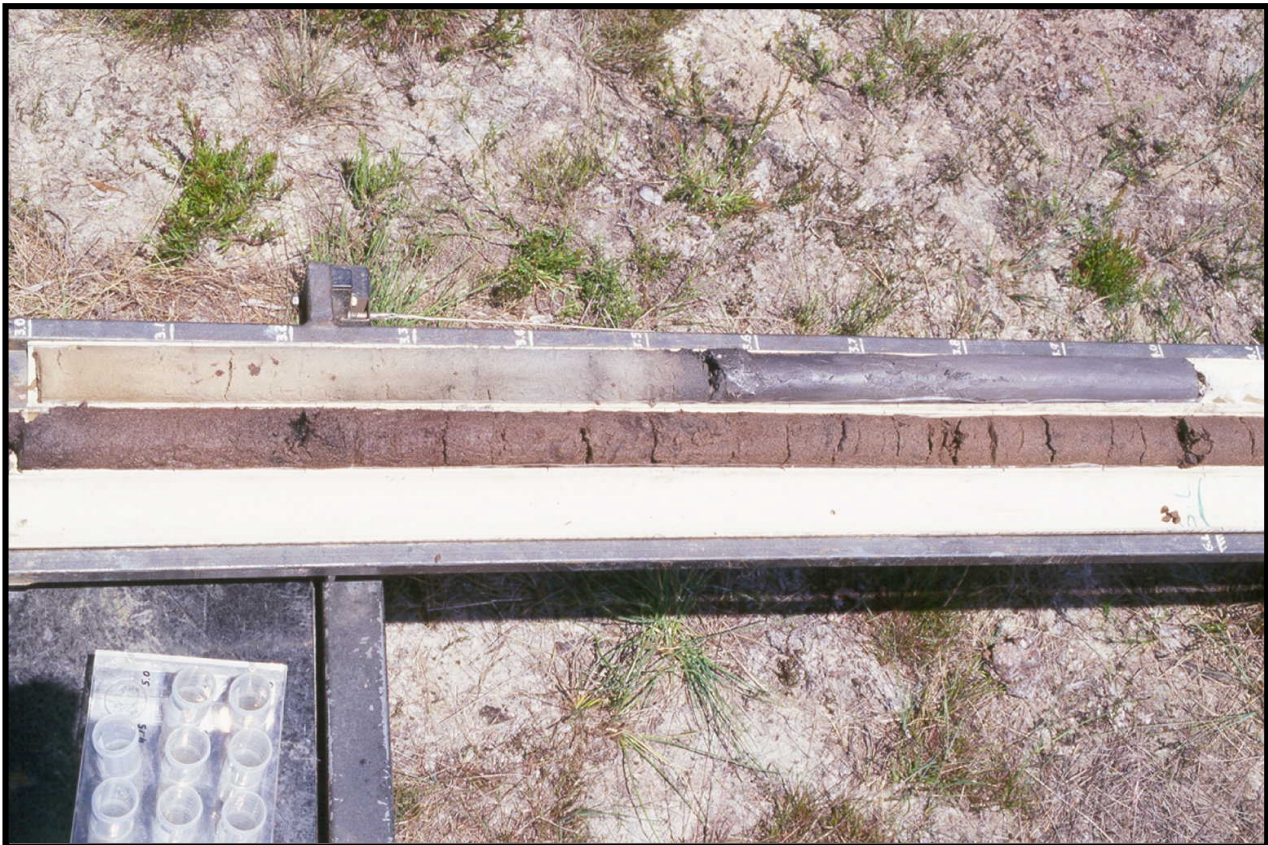


Maroochy Caloundra Acid Sulfate Soil Sustainable Land Management Project Volume 2 Decoded Borehole Descriptions



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Queensland Department of Natural Resources and Mines
QNRM02231

Published by Department of Natural Resources and Mines, Indooroopilly, Queensland, Australia.

National Library of Australia Cataloguing in Publication Data. Title: **Maroochy Caloundra Acid Sulfate Soil Sustainable Land Management Project. Volume 2. Decoded Borehole Descriptions.**

August 2002.

QNRM02231

ISBN 0 7345 2683 0

ISBN 0 7345 2685 7 (set)

Material from the publication may be used providing both the author and publishers are acknowledged.

Citation of this publication should take the form:

Malcolm DT, Hall IR, Barry EV and Ahern CR (2002). *Maroochy Caloundra Acid Sulfate Soil Sustainable Land Management Project. Volume 2. Decoded Borehole Descriptions.* Department of Natural Resources and Mines, Indooroopilly, Queensland, Australia.

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Acknowledgements

This project was primarily funded by the Natural Heritage Trust (NHT). Additional assistance from the Queensland Department of Natural Resources and Mines (NR&M), Maroochy Shire Council and Caloundra City Council is acknowledged. The cooperation and assistance of GeoCoastal, Maroochy Mooloolah Catchment Care, Water watch, Sunshine Coast University and CANEGROWERS (in particular Graham Colley), is also gratefully acknowledged.

The authors wish to thank:

Justin Adams and **Jeremy Manders** for their invaluable assistance during field work

Glenys Tewes, **Michelle Martens**, **Valerie Eldershaw** and **John Ross** for their invaluable assistance towards the success of this publication;

NR&M Analytical Services Laboratory for laboratory support, in particular **Niki Latham** and **Dave Lyons**.

Project: SEA

Site: 517

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

507978 mE
507872 mE

7038863 mN
7038675 mN

Described By: Malcolm, D (Don)

Date: 10-Apr-1997

Landscape:

Geology: No record
Landform Pattern: plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: firm

Substrate Lithology: No record
Element: hillslope
Permeability: No record
Microrelief Component: No record
Slope: 1 %

Classifications:

ASC: Dermosolic, Redoxic, HYDROSOL
GSG: No suitable group

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| A1 | 0.00 to 0.15 | Brownish black (10YR31) moist; few 2-10% medium 5-15mm distinct orange mottles; light clay; moderate 2-5mm granular structure; |
| B21 | 0.15 to 0.80 | Brownish grey (10YR41) moist; common 10-20% medium 5-15mm distinct orange mottles; light medium clay; moderate 2-5mm subangular blocky structure; |
| B31 | 0.80 to 1.20 | Brownish grey (10YR61) moist; common 10-20% coarse 15-30mm distinct orange, common 10-20% coarse 15-30mm distinct red mottles; medium clay; very few <2% medium pebbles 6-20mm; moderate 5-10mm subangular blocky structure; |
| B32 | 1.20 to 1.50 | Brownish grey (10YR61) moist; many 20-50% coarse 15-30mm distinct orange, many 20-50% coarse 15-30mm distinct red mottles; medium heavy clay; few 2-10% medium pebbles 6-20mm; massive structure; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 5.5 | 3.9 | |
| 0.30 | | | | | 5.3 | 3.5 | |
| 0.60 | | | | | 4.9 | 3.7 | |
| 0.90 | | | | | 4.6 | 3.3 | |
| 1.20 | | | | | 4.8 | 3.8 | |
| 1.50 | | | | | 4.2 | 2.7 | |

Notes:

Vegetation Lophostemon Sueredens/Melaleuca Quinquenervia/Piccebean palm

Project: SEA **Site:** 518

Soil Name: No record

Location: GDA 94 **ZONE** 56 **508368 mE** **7039338 mN**
Location: AGD 84 **ZONE** 56 **508262 mE** **7039150 mN**

Described By: Malcolm, D (Don)

Date: 10-Apr-1997

Landscape:

Geology: No record

Substrate Lithology: No record

Landform Pattern: plain

Element: hillslope

Runoff: No record

Permeability: No record

Microrelief: No record

Microrelief Component: No record

Drainage: No record

Slope: 1 %

Surface Coarse Fragments: No record

Surface Condition: firm

Classifications:

ASC: Redoxic, HYDROSOL

GSG: No suitable group

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| A1 | 0.00 to 0.12 | Brownish black (10YR32) moist; silty clay loam; weak 2-5mm granular structure; |
| B21 | 0.12 to 0.70 | Greyish yellow-brown (10YR42) moist; few 2-10% fine <5mm faint orange mottles; silty light clay; moderate 2-5mm subangular blocky structure; |
| B31 | 0.70 to 1.30 | Brownish grey (10YR61) moist; common 10-20% medium 5-15mm distinct orange mottles; medium clay; moderate 2-5mm subangular blocky structure; |
| B32 | 1.30 to 1.80 | Brownish grey (10YR61) moist; many 20-50% coarse 15-30mm distinct red, common 10-20% coarse 15-30mm distinct orange mottles; medium heavy clay; moderate 5-10mm subangular blocky structure; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.8 | 2.8 | |
| 0.30 | | | | | 4.8 | 3.3 | |
| 0.60 | | | | | 5.1 | 3.7 | |
| 0.90 | | | | | 5.2 | 3.9 | |
| 1.20 | | | | | 5.2 | 4.0 | |
| 1.50 | | | | | 5.4 | 4.0 | |
| 1.80 | | | | | 5.2 | 4.0 | |

Notes:

Project: SEA

Site: 519

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

508591 mE
508485 mE

7039829 mN
7039641 mN

Described By: Malcolm, D (Don)

Date: 10-Apr-1997

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: firm, firm

Substrate Lithology: No record
Element: plain
Permeability: No record
Microrelief Component: No record
Slope: 1 %

Classifications:

ASC: Dermosolic, Redoxic, HYDROSOL
GSG: No suitable group

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| A11 | 0.00 to 0.10 | Brownish black (10YR31) moist; sandy clay loam; weak 2-5mm granular structure; |
| A12 | 0.10 to 0.40 | Brownish black (10YR32) moist; few 2-10% fine <5mm faint orange mottles; sandy light clay; weak 2-5mm granular structure; |
| B21 | 0.40 to 0.90 | Brownish grey (10YR41) moist; few 2-10% medium 5-15mm distinct orange mottles; sandy light medium clay; moderate 2-5mm subangular blocky structure; |
| B22 | 0.90 to 1.80 | Brownish grey (10YR51) moist; many 20-50% coarse 15-30mm distinct red, common 10-20% medium 5-15mm distinct orange mottles; sandy medium clay; moderate 2-5mm subangular blocky structure; |
| B23 | 1.80 to 2.50 | Brownish grey (10YR61) moist; common 10-20% medium 5-15mm distinct orange mottles; sandy medium heavy clay; weak 2-5mm subangular blocky structure; |
| B3 | 2.50 to 3.30 | Brownish grey (10YR61) moist; many 20-50% coarse 15-30mm distinct red, many 20-50% coarse 15-30mm distinct orange mottles; medium heavy clay; weak 2-5mm subangular blocky structure; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 6.0 | 4.2 | |
| 0.30 | | | | | 6.0 | 4.2 | |
| 0.60 | | | | | 5.5 | 4.2 | |
| 0.90 | | | | | 5.6 | 4.2 | |
| 1.20 | | | | | 5.5 | 4.1 | |
| 1.50 | | | | | 5.4 | 4.1 | |
| 1.80 | | | | | 4.9 | 4.0 | |
| 2.10 | | | | | 5.5 | 4.2 | |
| 2.40 | | | | | 5.5 | 4.2 | |
| 2.70 | | | | | 5.4 | 4.1 | |
| 3.00 | | | | | 5.3 | 3.9 | |
| 3.30 | | | | | 5.3 | 3.9 | |

Notes:

Project: SEA

Site: 520

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56 508322 mE
ZONE 56 508216 mE

7040388 mN
7040200 mN

Described By: Malcolm, D (Don)

Date: 10-Apr-1997

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: No record
Element: plain
Permeability: No record
Microrelief Component: No record
Slope: 1 %

Classifications:

ASC: Dermosolic, Redoxic, HYDROSOL
GSG: No suitable group

PPF: No record

Vegetation:

No Record

Profile Morphology:

Not Recorded

Field Tests:

No Record

Notes:

Project: SEA

Site: 521

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

501188 mE
501082 mE

7050171 mN
7049983 mN

Described By: Malcolm, D (Don)

Date: 22-Apr-1997

Landscape:

Geology: No record
Landform Pattern: covered plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: firm

Substrate Lithology: No record
Element: levee
Permeability: No record
Microrelief Component: No record
Slope: 1 %

Classifications:

ASC: Redoxic, HYDROSOL
GSG: No suitable group

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| A11 | 0.00 to 0.10 | Brownish black (10YR32) moist; sandy clay loam; weak 2-5mm granular structure; few 2-10% medium 2-6mm manganiferous nodules; |
| A12 | 0.10 to 0.30 | Brownish grey (10YR41) moist; few 2-10% medium 5-15mm distinct orange mottles; sandy light clay; weak 2-5mm granular structure; few 2-10% medium 2-6mm manganiferous nodules; |
| D1 | 0.30 to 0.60 | Yellowish brown (10YR56) moist; common 10-20% medium 5-15mm distinct orange mottles; loamy sand; massive structure; few 2-10% medium 2-6mm manganiferous nodules; |
| D2 | 0.60 to 0.90 | Greyish yellow-brown (10YR62) moist; common 10-20% medium 5-15mm distinct orange mottles; coarse sandy light medium clay; massive structure; very few <2% medium 2-6mm manganiferous nodules; |
| D3 | 0.90 to 1.30 | Greyish yellow-brown (10YR62) moist; many 20-50% coarse 15-30mm distinct orange mottles; sandy medium clay; massive structure; |
| D4 | 1.30 to 2.00 | Brownish grey (10YR51) moist; common 10-20% coarse 15-30mm distinct orange mottles; silty light medium clay; moderate 2-5mm subangular blocky structure; |
| D5 | 2.00 to 2.40 | Brownish grey (10YR61) moist; very few <2% medium 5-15mm distinct orange mottles; fine sandy light clay; massive structure; |
| D6 | 2.40 to 3.60 | Brownish grey (10YR61) moist; common 10-20% medium 5-15mm distinct orange mottles; fine sandy light clay; massive structure; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 5.1 | 3.1 | |
| 0.30 | | | | | 5.0 | 2.8 | |
| 0.60 | | | | | 5.3 | 3.7 | |
| 0.90 | | | | | 4.9 | 3.9 | |
| 1.20 | | | | | 5.2 | 3.3 | |
| 1.50 | | | | | 5.3 | 4.8 | |
| 1.80 | | | | | 5.4 | 4.6 | |
| 2.10 | | | | | 5.6 | 3.5 | |
| 2.40 | | | | | 5.4 | 3.2 | |
| 2.70 | | | | | 5.3 | 3.3 | |
| 3.00 | | | | | 6.3 | 4.0 | |
| 3.30 | | | | | 6.1 | 4.5 | |
| 3.60 | | | | | 5.8 | 4.0 | |

Notes:

Location Just off Eudlo Flats Road - cane grown here for 50 years - 100m from Eudlo Creek - levee bank

Project: SEA

Site: 522

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

501542 mE
501436 mE

7050630 mN
7050442 mN

Described By: Malcolm, D (Don)

Date: 22-Apr-1997

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: firm

Substrate Lithology: No record
Element: plain
Permeability: No record
Microrelief Component: No record
Slope: 1 %

Classifications:

ASC: Redoxic, HYDROSOL
GSG: No suitable group

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| A11 | 0.00 to 0.10 | Brownish black (10YR32) moist; sandy clay loam; weak 2-5mm granular structure; |
| A12 | 0.10 to 0.40 | Brownish grey (10YR41) moist; few 2-10% fine <5mm distinct orange mottles; sandy light clay; moderate 5-10mm prismatic structure; few 2-10% fine <2mm manganiferous nodules; |
| B21 | 0.40 to 0.90 | Brownish grey (10YR51) moist; common 10-20% coarse 15-30mm distinct orange mottles; sandy light medium clay; moderate 2-5mm subangular blocky structure; |
| B22 | 0.90 to 1.30 | Brownish grey (10YR51) moist; common 10-20% coarse 15-30mm distinct orange mottles; silty medium clay; moderate 2-5mm subangular blocky structure; |
| D1 | 1.30 to 1.60 | Brownish grey (10YR61) moist; loamy sand; massive structure; |
| D2 | 1.60 to 1.70 | Brownish grey (10YR51) moist; common 10-20% medium 5-15mm distinct orange mottles; sandy medium clay; massive structure; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.9 | 3.0 | |
| 0.30 | | | | | 5.3 | 3.6 | |
| 0.60 | | | | | 5.4 | 4.2 | |
| 0.90 | | | | | 5.3 | 4.0 | |
| 1.20 | | | | | 5.2 | 3.8 | |
| 1.50 | | | | | 5.6 | 2.8 | |
| 1.70 | | | | | 5.5 | 3.4 | |

Notes:

Project: SEA

Site: 523

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

501604 mE
501498 mE

7049954 mN
7049766 mN

Described By: Malcolm, D (Don)

Date: 22-Apr-1997

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: firm

Substrate Lithology: No record
Element: plain
Permeability: No record
Microrelief Component: No record
Slope: 1 %

Classifications:

ASC: Redoxic, HYDROSOL
GSG: No suitable group

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| A11 | 0.00 to 0.10 | Brownish black (10YR32) moist; sandy light clay; moderate 2-5mm granular structure; |
| A12 | 0.10 to 0.40 | Brownish grey (10YR41) moist; few 2-10% fine <5mm faint orange mottles; sandy light clay; moderate 5-10mm prismatic structure; |
| B21 | 0.40 to 1.20 | Brownish grey (10YR51) moist; common 10-20% coarse 15-30mm distinct orange mottles; silty medium clay; moderate 2-5mm subangular blocky structure; |
| D1 | 1.20 to 1.80 | Brownish grey (10YR61) moist; many 20-50% coarse 15-30mm distinct orange mottles; loamy coarse sand; single grain structure; |

Field Tests:

No Record

Notes:

Project: SEA **Site:** 524

Soil Name: No record

Location: GDA 94 ZONE 56 503172 mE 7051280 mN
Location: AGD 84 ZONE 56 503066 mE 7051092 mN

Described By: Malcolm, D (Don)

Date: 23-Apr-1997

Landscape:

Geology: No record

Landform Pattern: alluvial plain

Runoff: No record

Microrelief: No record

Drainage: No record

Surface Coarse Fragments: No record

Surface Condition: firm

Substrate Lithology: No record

Element: plain

Permeability: No record

Microrelief Component: No record

Slope: No record

Classifications:

ASC: Sulfidic, Redoxic, HYDROSOL

GSG: No suitable group

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| A11 | 0.00 to 0.20 | Brownish black (10YR31) moist; fine sandy light clay; weak 2-5mm granular structure; |
| A12 | 0.20 to 0.35 | Brownish black (10YR31) moist; few 2-10% medium 5-15mm distinct orange mottles; fine sandy light clay; weak 2-5mm granular structure; |
| B2 | 0.35 to 0.55 | Brownish grey (10YR41) moist; common 10-20% medium 5-15mm distinct orange mottles; sandy medium clay; moderate 2-5mm subangular blocky structure; |
| 2B2 | 0.55 to 0.80 | Brownish grey (10YR51) moist; few 2-10% medium 5-15mm distinct orange mottles; coarse sandy light medium clay; massive structure; |
| 3B21 | 0.80 to 1.30 | Grey (5Y41) moist; common 10-20% coarse 15-30mm distinct orange mottles; silty light medium clay; massive structure; |
| 3B22 | 1.30 to 2.00 | Grey (5Y41) moist; few 2-10% medium 5-15mm faint orange mottles; silty light clay; few 2-10% angular shell medium pebbles 6-20mm; massive structure; |
| 3C1 | 2.00 to 3.30 | Grey (5Y41) moist; silty light clay; few 2-10% angular shell large pebbles 20-60mm; massive structure; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 5.5 | 2.8 | |
| 0.30 | | | | | 5.0 | 2.9 | |
| 0.60 | | | | | 5.7 | 3.6 | |
| 0.90 | | | | | 6.5 | 3.4 | |
| 1.20 | | | | | 6.3 | 2.0 | |
| 1.50 | | | | | 6.6 | 1.5 | |
| 1.80 | | | | | 7.0 | 1.7 | |
| 2.10 | | | | | 7.0 | 1.7 | |
| 2.40 | | | | | 7.2 | 1.7 | |
| 2.70 | | | | | 7.2 | 1.9 | |
| 3.00 | | | | | 7.2 | 1.7 | |
| 3.30 | | | | | 7.4 | 1.6 | |

Notes:

Location Edge of cane next to Eudlo Creek pH 7.0 - adjacent drain pH 6.9 at 0.8m deep
Site Adjacent drain pH 6.9 0.8m below surface
Vegetation Casuarina glauca on edge of creek

Project: SEA

Site: 525

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

502860 mE
502754 mE

7051031 mN
7050843 mN

Described By: Malcolm, D (Don)

Date: 23-Apr-1997

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: firm

Substrate Lithology: No record
Element: plain
Permeability: No record
Microrelief Component: No record
Slope: 0.5 %

Classifications:

ASC: Sulfidic, Redoxic, HYDROSOL
GSG: No suitable group

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| A1 | 0.00 to 0.10 | Brownish black (10YR31) moist; sandy light clay; weak 2-5mm granular structure; |
| B2 | 0.10 to 0.40 | Brownish grey (10YR41) moist; few 2-10% medium 5-15mm distinct orange mottles; sandy medium clay; moderate 2-5mm subangular blocky structure; |
| 2B2 | 0.40 to 0.80 | Yellowish brown (10YR58) moist; common 10-20% coarse 15-30mm distinct orange mottles; coarse sand; single grain structure; |
| 3Cu | 0.80 to 1.20 | Yellowish grey (2.5Y41) moist; coarse sandy light clay; massive structure; |
| 4D1 | 1.20 to 2.50 | Yellowish grey (2.5Y61) moist; many 20-50% coarse 15-30mm distinct orange, many 20-50% coarse 15-30mm distinct red mottles; sandy medium heavy clay; massive structure; very few <2% medium 2-6mm ferruginous nodules; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.5 | 3.6 | |
| 0.30 | | | | | 5.0 | 4.1 | |
| 0.60 | | | | | 4.8 | 3.7 | |
| 0.90 | | | | | 5.3 | 1.2 | |
| 1.20 | | | | | 6.0 | 3.2 | |
| 1.50 | | | | | 5.2 | 1.6 | |
| 1.80 | | | | | 6.1 | 2.6 | |
| 2.10 | | | | | 6.0 | 3.5 | |
| 2.40 | | | | | 6.0 | 3.0 | |

Notes:

Project: SEA **Site:** 526

Soil Name: No record

Location: GDA 94 **ZONE** 56 **502518 mE** **7050718 mN**
Location: AGD 84 **ZONE** 56 **502412 mE** **7050530 mN**

Described By: Malcolm, D (Don)

Date: 23-Apr-1997

Landscape:

Geology: No record

Landform Pattern: alluvial plain

Runoff: No record

Microrelief: No record

Drainage: No record

Surface Coarse Fragments: No record

Surface Condition: firm

Substrate Lithology: No record

Element: plain

Permeability: No record

Microrelief Component: No record

Slope: 1 %

Classifications:

ASC: Redoxic, HYDROSOL

GSG: No suitable group

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| A11 | 0.00 to 0.20 | Brownish black (10YR31) moist; sandy clay loam; moderate 2-5mm granular structure; |
| A12c | 0.20 to 0.40 | Brownish black (10YR32) moist; sandy light clay; moderate 2-5mm granular structure; few 2-10% medium 2-6mm manganiferous nodules; |
| B21c | 0.40 to 0.70 | Brownish grey (10YR51) moist; sandy medium clay; moderate 2-5mm subangular blocky structure; few 2-10% medium 2-6mm manganiferous nodules; |
| B22 | 0.70 to 1.10 | Brownish grey (10YR51) moist; sandy medium heavy clay; moderate 2-5mm subangular blocky structure; |
| D1 | 1.10 to 1.30 | Greyish yellow-brown (10YR62) moist; few 2-10% coarse 15-30mm distinct orange mottles; coarse sand; single grain structure; |
| D2 | 1.30 to 1.40 | Brownish grey (10YR51) moist; coarse sandy light clay; massive structure; |
| D3 | 1.40 to 2.00 | Greyish yellow-brown (10YR52) moist; few 2-10% medium 5-15mm distinct orange mottles; sandy medium clay; massive structure; |
| D4 | 2.00 to 2.40 | Greyish yellow-brown (10YR52) moist; common 10-20% coarse 15-30mm distinct orange, common 10-20% coarse 15-30mm distinct red mottles; sandy medium clay; massive structure; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 5.3 | 4.0 | |
| 0.30 | | | | | 5.3 | 4.0 | |
| 0.60 | | | | | 5.2 | 4.7 | |
| 0.90 | | | | | 5.0 | 4.3 | |
| 1.20 | | | | | 5.3 | 3.7 | |
| 1.50 | | | | | 5.5 | 2.5 | |
| 1.80 | | | | | 6.0 | 3.4 | |
| 2.10 | | | | | 4.3 | 3.5 | |
| 2.40 | | | | | 5.3 | 4.0 | |

Notes:

Location Cane headland
Site Hard clay beyond 2.4m

Project: SEA

Site: 527

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56 501947 mE
ZONE 56 501841 mE

7050475 mN
7050287 mN

Described By: Malcolm, D (Don)

Date: 23-Apr-1997

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: firm

Substrate Lithology: No record
Element: plain
Permeability: No record
Microrelief Component: No record
Slope: 1 %

Classifications:

ASC: Redoxic, HYDROSOL
GSG: No suitable group

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| A1 | 0.00 to 0.20 | Brownish black (10YR31) moist; sandy clay loam; moderate 2-5mm granular structure; |
| B21 | 0.20 to 0.60 | Brownish grey (10YR51) moist; common 10-20% coarse 15-30mm distinct orange mottles; sandy medium clay; moderate 2-5mm subangular blocky structure; few 2-10% medium 2-6mm manganiferous soft segregations; |
| B22 | 0.60 to 1.00 | Brownish grey (10YR61) moist; many 20-50% coarse 15-30mm distinct orange mottles; silty medium clay; moderate 2-5mm subangular blocky structure; few 2-10% medium 2-6mm manganiferous soft segregations; |
| B23 | 1.00 to 1.80 | Brownish grey (10YR61) moist; common 10-20% medium 5-15mm distinct orange mottles; silty medium clay; moderate 2-5mm subangular blocky structure; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 5.3 | 3.7 | |
| 0.30 | | | | | 5.5 | 4.4 | |
| 0.60 | | | | | 6.0 | 4.7 | |
| 0.90 | | | | | 5.9 | 4.9 | |
| 1.20 | | | | | 5.5 | 4.4 | |
| 1.50 | | | | | 5.6 | 3.7 | |
| 1.80 | | | | | 5.0 | 3.4 | |

Notes:

Vegetation Eucalyptus Tereticornis + Angophora/Lophostemon

Project: SEA

Site: 528

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

502776 mE
502670 mE

7051333 mN
7051145 mN

Described By: Malcolm, D (Don)

Date: 23-Apr-1997

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: firm

Substrate Lithology: No record
Element: plain
Permeability: No record
Microrelief Component: No record
Slope: 0.5 %

Classifications:

ASC: Sulfuric, Redoxic, HYDROSOL

GSG: No suitable group

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| A1 | 0.00 to 0.20 | Brownish grey (10YR41) moist; common 10-20% fine <5mm distinct orange mottles; sandy light medium clay; moderate 5-10mm prismatic structure; |
| B21ia | 0.20 to 0.50 | Brownish grey (10YR41) moist; common 10-20% fine <5mm distinct orange, few 2-10% medium 5-15mm distinct yellow jarositic (from pyrite) mottles; light medium clay; moderate 10-20mm prismatic structure; |
| B22i | 0.50 to 1.10 | Yellowish grey (2.5Y41) moist; common 10-20% coarse 15-30mm distinct orange mottles; light medium clay; moderate 10-20mm prismatic structure; |
| 2C1u | 1.10 to 1.30 | Grey (5Y51) moist; loamy sand; single grain structure; |
| 3C2u | 1.30 to 2.00 | Grey (5Y41) moist; silty light clay; few 2-10% angular shell medium pebbles 6-20mm; massive structure; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 3.9 | 2.8 | |
| 0.30 | | | | | 3.3 | 0.8 | |
| 0.60 | | | | | 2.0 | 2.0 | |
| 0.90 | | | | | 3.5 | 1.6 | |
| 1.20 | | | | | 6.0 | 1.8 | |
| 1.50 | | | | | 7.5 | 1.6 | |
| 1.80 | | | | | 7.4 | 1.8 | |

Notes:

Site Disturbed surface horizons

Project: SEA

Site: 546

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

502729 mE
502623 mE

7051769 mN
7051581 mN

Described By: Malcolm, D (Don)

Date: 12-Jun-1997

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: firm

Substrate Lithology: No record
Element: plain
Permeability: No record
Microrelief Component: No record
Slope: 1 %

Classifications:

ASC: Sulfidic, Redoxic, HYDROSOL
GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| A1 | 0.00 to 0.20 | Brownish black (10YR31) moist; light clay; weak 2-5mm granular structure; |
| B2 | 0.20 to 0.60 | Brownish grey (10YR41) moist; few 2-10% fine <5mm distinct orange mottles; medium clay; moderate 2-5mm lenticular, moderate 2-5mm subangular blocky structure; |
| 2B2 | 0.60 to 0.80 | Greyish yellow-brown (10YR62) moist; few 2-10% medium 5-15mm distinct orange mottles; sandy clay loam; massive structure; |
| 3B2 | 0.80 to 1.20 | Yellowish grey (2.5Y51) moist; few 2-10% medium 5-15mm distinct orange mottles; silty light clay; massive structure; |
| 3C1u | 1.20 to 1.50 | Grey (5Y41) moist; silty light clay; massive structure; |
| 3C2u | 1.50 to 2.30 | Grey (5Y41) moist; silty light clay; few 2-10% angular shell medium pebbles 6-20mm; massive structure; |
| 4C | 2.30 to 2.80 | Greyish yellow-brown (10YR42) moist; clayey coarse sand; massive structure; |
| 5D1 | 2.80 to 3.20 | Yellowish grey (2.5Y51) moist; common 10-20% coarse 15-30mm distinct orange mottles; medium heavy clay; massive structure; |
| 6D2 | 3.20 to 3.60 | Light grey (10Y71) moist; few 2-10% coarse 15-30mm distinct orange mottles; medium heavy clay; massive structure; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 5.2 | 3.6 | |
| 0.30 | | | | | 5.7 | 3.7 | |
| 0.60 | | | | | 5.9 | 4.2 | |
| 0.90 | | | | | 6.6 | 3.7 | |
| 1.20 | | | | | 7.0 | 3.3 | |
| 1.50 | | | | | 7.3 | 2.3 | |
| 1.80 | | | | | 7.1 | 2.1 | |
| 2.10 | | | | | 7.2 | 1.8 | |
| 2.40 | | | | | 7.1 | 1.9 | |
| 2.70 | | | | | 7.1 | 1.9 | |
| 3.00 | | | | | 7.1 | 1.9 | |
| 3.30 | | | | | 7.0 | 4.5 | |
| 3.60 | | | | | 7.2 | 5.2 | |

Notes:

Project: SEA

Site: 547

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

502417 mE
502311 mE

7051794 mN
7051606 mN

Described By: Malcolm, D (Don)

Date: 12-Jun-1997

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: firm

Substrate Lithology: No record
Element: plain
Permeability: No record
Microrelief Component: No record
Slope: 1 %

Classifications:

ASC: Redoxic, HYDROSOL
GSG: No suitable group

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| A1 | 0.00 to 0.15 | Dull yellowish brown (10YR43) moist; few 2-10% medium 5-15mm distinct orange mottles; sandy loam; weak 2-5mm granular structure; |
| B2 | 0.15 to 0.60 | Greyish yellow-brown (10YR52) moist; common 10-20% medium 5-15mm distinct orange mottles; sandy loam; massive structure; |
| 2B2 | 0.60 to 0.90 | Brownish grey (10YR61) moist; many 20-50% coarse 15-30mm distinct orange mottles; clayey sand; massive structure; |
| 3B2 | 0.90 to 1.20 | Greyish yellow-brown (10YR62) moist; common 10-20% coarse 15-30mm distinct orange mottles; coarse sand; massive structure; |
| 4D1 | 1.20 to 1.60 | Yellowish grey (2.5Y61) moist; common 10-20% coarse 15-30mm distinct orange mottles; sandy medium clay; massive structure; |
| 4D2 | 1.60 to 1.80 | Yellowish grey (2.5Y61) moist; common 10-20% coarse 15-30mm distinct orange mottles; medium heavy clay; massive structure; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 5.9 | 1.4 | |
| 0.30 | | | | | 5.0 | 3.1 | |
| 0.60 | | | | | 5.3 | 3.3 | |
| 0.90 | | | | | 5.3 | 3.4 | |
| 1.20 | | | | | 5.3 | 3.3 | |
| 1.50 | | | | | 5.3 | 3.4 | |
| 1.80 | | | | | 5.6 | 3.1 | |

Notes:

Project: SEA **Site:** 548

Soil Name: No record

Location: GDA 94 ZONE 56 502228 mE 7051175 mN
Location: AGD 84 ZONE 56 502122 mE 7050987 mN

Described By: Malcolm, D (Don)

Date: 12-Jun-1997

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: firm

Substrate Lithology: No record
Element: plain
Permeability: No record
Microrelief Component: No record
Slope: 1 %

Classifications:

ASC: Redoxic, HYDROSOL
GSG: No record **PPF:** No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| A11 | 0.00 to 0.10 | Brownish black (10YR31) moist; light medium clay; moderate 2-5mm granular structure; |
| A12 | 0.10 to 0.30 | Brownish black (10YR32) moist; light medium clay; moderate 2-5mm granular structure; |
| B21 | 0.30 to 0.70 | Brownish grey (10YR41) moist; very few <2% medium 5-15mm distinct orange mottles; medium clay; moderate 2-5mm subangular blocky structure; |
| B22c | 0.70 to 1.00 | Brownish grey (10YR41) moist; common 10-20% medium 5-15mm distinct orange mottles; medium clay; moderate 10-20mm prismatic structure; few 2-10% medium 2-6mm manganiferous nodules; |
| 2C1 | 1.00 to 1.40 | Dull yellowish brown (10YR53) moist; coarse sand; massive structure; |
| 3D1 | 1.40 to 1.60 | Brownish grey (10YR51) moist; common 10-20% coarse 15-30mm distinct orange mottles; sandy medium heavy clay; massive structure; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 5.7 | 2.9 | |
| 0.30 | | | | | 5.9 | 3.4 | |
| 0.60 | | | | | 5.4 | 3.9 | |
| 0.90 | | | | | 5.1 | 4.2 | |
| 1.20 | | | | | 5.6 | 3.4 | |
| 1.50 | | | | | 4.6 | 3.2 | |

Notes:

Vegetation Blue Gum, Red Ash and Lophostemon growing

Project: SEA **Site:** 549

Soil Name: No record

Location: GDA 94 ZONE 56 504213 mE 7051380 mN
Location: AGD 84 ZONE 56 504107 mE 7051192 mN

Described By: Malcolm, D (Don)

Date: 12-Jun-1997

Landscape:

Geology: No record

Landform Pattern: alluvial plain

Runoff: No record

Microrelief: No record

Drainage: No record

Surface Coarse Fragments: No record

Surface Condition: firm

Substrate Lithology: No record

Element: plain

Permeability: No record

Microrelief Component: No record

Slope: 1 %

Classifications:

ASC: Sulfidic, Redoxic, HYDROSOL

GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| A1 | 0.00 to 0.25 | Brownish black (10YR32) moist; very few <2% fine <5mm faint orange mottles; light medium clay; moderate 2-5mm granular structure; |
| B21 | 0.25 to 0.50 | Greyish yellow-brown (10YR42) moist; few 2-10% medium 5-15mm distinct orange mottles; light medium clay; moderate 2-5mm granular structure; |
| 2B21 | 0.50 to 1.10 | Brownish grey (10YR41) moist; common 10-20% medium 5-15mm distinct orange mottles; fine sandy light medium clay; moderate 2-5mm subangular blocky structure; |
| 2B22 | 1.10 to 1.30 | Brownish grey (10YR51) moist; common 10-20% coarse 15-30mm distinct orange mottles; sandy light medium clay; moderate 2-5mm subangular blocky structure; |
| 3C1u | 1.30 to 2.10 | Yellowish grey (2.5Y41) moist; clayey sand; massive structure; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 5.7 | 4.4 | |
| 0.30 | | | | | 5.3 | 4.1 | |
| 0.60 | | | | | 4.2 | 3.0 | |
| 0.90 | | | | | 4.0 | 2.9 | |
| 1.20 | | | | | 4.2 | 3.0 | |
| 1.50 | | | | | 6.2 | 1.7 | |
| 1.80 | | | | | 6.1 | 1.4 | |
| 2.10 | | | | | 6.3 | 1.7 | |

Notes:

Vegetation Blue Gum natural vegetation

Project: SEA **Site:** 550

Soil Name: No record

Location: GDA 94 ZONE 56 504237 mE 7051819 mN
Location: AGD 84 ZONE 56 504131 mE 7051631 mN

Described By: Malcolm, D (Don)

Date: 12-Jun-1997

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: firm

Substrate Lithology: No record
Element: plain
Permeability: No record
Microrelief Component: No record
Slope: 1 %

Classifications:

ASC: Sulfidic, Redoxic, HYDROSOL

GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| A1 | 0.00 to 0.25 | Brownish black (10YR31) moist; light clay; weak 2-5mm granular structure; |
| B2 | 0.25 to 0.60 | Brownish grey (10YR41) moist; few 2-10% medium 5-15mm distinct orange mottles; light medium clay; moderate 2-5mm lenticular structure; |
| 2B2i | 0.60 to 1.00 | Yellowish grey (2.5Y41) moist; few 2-10% medium 5-15mm distinct orange mottles; sandy light clay; massive structure; |
| 2C1u | 1.00 to 2.10 | Grey (5Y41) moist; silty light clay; massive structure; |
| 2C2u | 2.10 to 2.70 | Grey (5Y41) moist; silty light clay; common 10-20% angular shell medium pebbles 6-20mm; massive structure; |
| 2C3 | 2.70 to 3.30 | Grey (5Y41) moist; silty light clay; massive structure; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 5.9 | 5.0 | |
| 0.30 | | | | | 6.4 | 4.0 | |
| 0.60 | | | | | 5.9 | 3.7 | |
| 0.90 | | | | | 5.8 | 3.0 | |
| 1.20 | | | | | 6.2 | 1.7 | |
| 1.50 | | | | | 6.6 | 1.7 | |
| 1.80 | | | | | 7.1 | 1.5 | |
| 2.10 | | | | | 7.3 | 2.0 | |
| 2.40 | | | | | 7.1 | 2.0 | |
| 2.70 | | | | | 7.1 | 0.8 | |
| 3.00 | | | | | 7.2 | 1.4 | |
| 3.30 | | | | | 7.2 | 1.5 | |

Notes:

Vegetation

Phragmites growing amongst spindly cane - natural vegetation, looks to be large Melaleuca

Project: SEA

Site: 551

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

503739 mE
503633 mE

7051542 mN
7051354 mN

Described By: Malcolm, D (Don)

Date: 13-Jun-1997

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: firm

Substrate Lithology: No record
Element: plain
Permeability: No record
Microrelief Component: No record
Slope: 1 %

Classifications:

ASC: Aerlic, PODOSOL

GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| A1 | 0.00 to 0.30 | Brownish black (10YR31) moist; sandy clay loam; weak 2-5mm granular structure; |
| A2 | 0.30 to 0.70 | Greyish yellow-brown (10YR42) moist; common 10-20% medium 5-15mm distinct orange mottles; sandy loam; massive structure; |
| B21s | 0.70 to 0.90 | Yellowish brown (10YR58) moist; sand; massive structure; |
| B22 | 0.90 to 1.20 | Greyish yellow-brown (10YR62) moist; sand; massive structure; |
| C1 | 1.20 to 1.80 | Dull yellowish orange (10YR72) moist; sand; massive structure; |
| C2 | 1.80 to 3.30 | Grey (2.5Y61) moist; coarse sand; massive structure; |
| C3 | 3.30 to 3.80 | Light brownish grey (2.5Y62) moist; coarse sand; massive structure; |
| C4 | 3.80 to 4.00 | Light brownish grey (2.5Y62) moist; coarse sand; few 2-10% angular quartz small pebbles 2-6mm; massive structure; |
| 2D1 | 4.00 to 4.30 | Light grey (2.5Y71) moist; heavy sandy clay loam; massive structure; |
| 2D2 | 4.30 to 4.40 | Grey (2.5Y61) moist; common 10-20% medium 5-15mm distinct orange mottles; heavy sandy clay loam; massive structure; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 5.1 | 4.1 | |
| 0.30 | | | | | 5.1 | 3.9 | |
| 0.60 | | | | | 5.4 | 4.1 | |
| 0.90 | | | | | 5.4 | 4.3 | |
| 1.20 | | | | | 5.2 | 4.2 | |
| 1.50 | | | | | 5.5 | 4.4 | |
| 1.80 | | | | | 5.5 | 4.0 | |
| 2.00 | | | | | 4.7 | 4.2 | |
| 2.25 | | | | | 4.7 | 3.9 | |
| 3.00 | | | | | 4.9 | 2.8 | |
| 3.25 | | | | | 5.0 | 2.7 | |
| 3.50 | | | | | 5.1 | 4.0 | |
| 3.75 | | | | | 5.2 | 2.5 | |
| 4.00 | | | | | 5.2 | 2.5 | |
| 4.25 | | | | | 5.5 | 2.9 | |
| 4.40 | | | | | 5.4 | 2.5 | |

Notes:

Project: SEA

Site: 576

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

504538 mE
504432 mE

7051041 mN
7050853 mN

Described By: Malcolm, D (Don)

Date: 12-Aug-1997

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: firm

Substrate Lithology: No record
Element: plain
Permeability: No record
Microrelief Component: No record
Slope: 1 %

Classifications:

ASC: Sulfidic, Redoxic, HYDROSOL
GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| A1 | 0.00 to 0.20 | Dark brown (10YR33) moist; few 2-10% fine <5mm distinct orange mottles; silty light clay; moderate 2-5mm granular structure; few 2-10% medium 2-6mm manganiferous soft segregations; |
| B21 | 0.20 to 1.00 | Greyish yellow-brown (10YR52) moist; common 10-20% medium 5-15mm distinct orange mottles; silty light medium clay; moderate 2-5mm subangular blocky structure; |
| B22c | 1.00 to 2.00 | Yellowish grey (2.5Y51) moist; many 20-50% medium 5-15mm distinct orange mottles; silty light medium clay; moderate 2-5mm subangular blocky structure; common 10-20% medium 2-6mm manganiferous nodules; |
| 2B23ic | 2.00 to 3.00 | Yellowish grey (2.5Y41) moist; common 10-20% medium 5-15mm distinct orange mottles; silty light medium clay; massive structure; few 2-10% fine <2mm manganiferous soft segregations; |
| 2C1u | 3.00 to 3.60 | Olive black (5Y31) moist; very few <2% medium 5-15mm distinct orange mottles; silty light medium clay; massive structure; |
| 2C2u | 3.60 to 4.00 | Black (N30) moist; silty light clay; massive structure; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 5.9 | 4.8 | |
| 0.30 | | | | | 5.9 | 5.0 | |
| 0.60 | | | | | 6.1 | 4.7 | |
| 0.90 | | | | | 5.8 | 4.0 | |
| 1.20 | | | | | 5.9 | 4.6 | |
| 1.50 | | | | | 6.5 | 5.1 | |
| 1.80 | | | | | 6.9 | 5.3 | |
| 2.10 | | | | | 7.0 | 4.5 | |
| 2.40 | | | | | 6.9 | 3.5 | |
| 2.70 | | | | | 6.9 | 3.6 | |
| 3.00 | | | | | 6.9 | 3.6 | |
| 3.30 | | | | | 7.1 | 1.5 | |
| 3.60 | | | | | 7.2 | 1.4 | |
| 3.90 | | | | | 6.9 | 1.1 | |

Notes:

Site Pieces of decomposed wood & leaves in bottom. All still have good form
Site Not far from 5m contour

Project: SEA

Site: 577

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

504185 mE
504079 mE

7051152 mN
7050964 mN

Described By: Malcolm, D (Don)

Date: 12-Aug-1997

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: No record
Element: plain
Permeability: No record
Microrelief Component: No record
Slope: 1 %

Classifications:

ASC: Redoxic, HYDROSOL
GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| A1 | 0.00 to 0.20 | Dark brown (10YR33) moist; very few <2% fine <5mm distinct orange mottles; silty light clay; moderate 2-5mm granular structure; |
| B21 | 0.20 to 1.00 | Greyish yellow-brown (10YR52) moist; common 10-20% medium 5-15mm distinct orange mottles; silty light medium clay; moderate 2-5mm subangular blocky structure; |
| B22 | 1.00 to 1.30 | Yellowish grey (2.5Y51) moist; common 10-20% medium 5-15mm distinct orange mottles; silty light medium clay; moderate 2-5mm subangular blocky structure; |
| B31 | 1.30 to 1.60 | Yellowish grey (2.5Y61) moist; common 10-20% medium 5-15mm distinct orange mottles; sandy light clay; massive structure; |
| B32 | 1.60 to 1.80 | Yellowish grey (2.5Y61) moist; common 10-20% coarse 15-30mm distinct orange mottles; sandy medium clay; massive structure; |
| Bc | 1.80 to 2.25 | Light grey (2.5Y71) moist; many 20-50% coarse 15-30mm distinct orange, few 2-10% coarse 15-30mm distinct red mottles; sandy medium heavy clay; massive structure; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 5.1 | 4.6 | |
| 0.30 | | | | | 5.7 | 4.1 | |
| 0.60 | | | | | 5.2 | 3.6 | |
| 0.80 | | | | | 5.2 | 3.5 | |
| 1.00 | | | | | 5.3 | 3.3 | |
| 1.25 | | | | | 5.2 | 3.3 | |
| 1.50 | | | | | 5.6 | 3.6 | |
| 1.75 | | | | | 5.4 | 4.2 | |
| 2.00 | | | | | 5.2 | 4.1 | |
| 2.25 | | | | | 5.1 | 4.2 | |

Notes:

Location 200m from last site - similar elevation

Project: SEA

Site: 578

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

503365 mE
503259 mE

7051571 mN
7051383 mN

Described By: Malcolm, D (Don)

Date: 12-Aug-1997

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: firm

Substrate Lithology: No record
Element: plain
Permeability: No record
Microrelief Component: No record
Slope: 0.5 %

Classifications:

ASC: Sulfidic, Oxyaquic, HYDROSOL
GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| A1 | 0.00 to 0.10 | Brownish black (10YR31) moist; silty clay loam; weak 2-5mm granular structure; |
| B2 | 0.10 to 0.40 | Brownish grey (10YR51) moist; common 10-20% medium 5-15mm distinct orange mottles; fine sandy light medium clay; massive structure; |
| 2B2 | 0.40 to 0.80 | Yellowish grey (2.5Y41) moist; common 10-20% coarse 15-30mm distinct orange mottles; silty light medium clay; massive structure; |
| 2C1u | 0.80 to 1.80 | Yellowish grey (2.5Y41) moist; silty light medium clay; common 10-20% angular shell medium pebbles 6-20mm; massive structure; |
| 3C2u | 1.80 to 2.60 | Grey (5Y41) moist; sandy light clay; few 2-10% angular shell medium pebbles 6-20mm; massive structure; |
| 3C3u | 2.60 to 3.00 | Grey (5Y51) moist; fine sandy light clay; massive structure; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 5.5 | 4.2 | |
| 0.30 | | | | | 6.4 | 5.2 | |
| 0.60 | | | | | 5.9 | 1.3 | |
| 0.80 | | | | | 6.6 | 1.3 | |
| 1.00 | | | | | 6.6 | 1.4 | |
| 1.25 | | | | | 6.8 | 1.4 | |
| 1.50 | | | | | 6.9 | 1.3 | |
| 1.75 | | | | | 6.9 | 1.3 | |
| 2.00 | | | | | 6.9 | 1.5 | |
| 2.25 | | | | | 6.9 | 1.2 | |
| 2.50 | | | | | 6.9 | 1.5 | |
| 2.75 | | | | | 6.8 | 1.5 | |
| 3.00 | | | | | 6.8 | 1.5 | |

Notes:

Project: SEA **Site:** 579

Soil Name: No record

Location: GDA 94 ZONE 56 503306 mE 7051571 mN
Location: AGD 84 ZONE 56 503200 mE 7051383 mN

Described By: Malcolm, D (Don)

Date: 12-Aug-1997

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: No record
Element: plain
Permeability: No record
Microrelief Component: No record
Slope: 0.5 %

Classifications:

ASC: Sulfidic, Oxyaquic, HYDROSOL

GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| A1 | 0.00 to 0.20 | Dark brown (10YR33) moist; silty light clay; weak 2-5mm granular structure; |
| B2 | 0.20 to 0.40 | Brownish grey (10YR51) moist; common 10-20% medium 5-15mm distinct orange mottles; sandy light medium clay; massive structure; |
| 2B21 | 0.40 to 0.70 | Yellowish grey (2.5Y51) moist; common 10-20% coarse 15-30mm distinct orange mottles; silty light medium clay; massive structure; |
| 2C1u | 0.70 to 1.00 | Yellowish grey (2.5Y41) moist; silty light clay; massive structure; |
| 3C2u | 1.00 to 2.00 | Yellowish grey (2.5Y51) moist; sandy light clay; massive structure; |
| 3C3u | 2.00 to 2.40 | Yellowish brown (2.5Y54) moist; sandy light clay; massive structure; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 5.1 | 4.1 | |
| 0.30 | | | | | 5.8 | 4.0 | |
| 0.60 | | | | | 6.8 | 4.3 | |
| 0.80 | | | | | 6.0 | 1.6 | |
| 1.00 | | | | | 6.0 | 1.3 | |
| 1.25 | | | | | 6.5 | 1.5 | |
| 1.50 | | | | | 6.8 | 1.4 | |
| 1.75 | | | | | 6.6 | 1.4 | |
| 2.00 | | | | | 6.8 | 4.3 | |
| 2.25 | | | | | 6.7 | 4.4 | |

Notes:

Site High summer tides just cover this area

Project: SEA

Site: 580

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

503781 mE
503675 mE

7051244 mN
7051056 mN

Described By: Malcolm, D (Don)

Date: 14-Aug-1997

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: firm

Substrate Lithology: No record
Element: plain
Permeability: No record
Microrelief Component: No record
Slope: 2 %

Classifications:

ASC: Dermosolic, Redoxic, HYDROSOL
GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| A1 | 0.00 to 0.10 | Brownish black (10YR31) moist; few 2-10% fine <5mm distinct orange mottles; sandy clay loam; weak 2-5mm granular structure; |
| B21 | 0.10 to 0.50 | Brownish grey (10YR41) moist; few 2-10% fine <5mm distinct orange mottles; silty light clay; moderate 2-5mm subangular blocky structure; |
| B22 | 0.50 to 1.10 | Brownish grey (10YR41) moist; common 10-20% medium 5-15mm distinct orange mottles; medium clay; moderate 2-5mm subangular blocky structure; few 2-10% medium 2-6mm manganiferous soft segregations; |
| 2C1u | 1.10 to 1.40 | Yellowish grey (2.5Y41) moist; sandy light clay; massive structure; |
| 3C2u | 1.40 to 1.60 | Dark grey (2.5Y41) moist; clayey sand; massive structure; |
| 4D1 | 1.60 to 2.30 | Light grey (10YR71) moist; sandy light clay; massive structure; |
| 4D2 | 2.30 to 2.80 | Light bluish grey (5PB71) moist; sandy medium clay; massive structure; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 5.9 | 4.0 | |
| 0.30 | | | | | 5.6 | 4.0 | |
| 0.60 | | | | | 5.9 | 4.3 | |
| 0.80 | | | | | 5.6 | 4.3 | |
| 1.00 | | | | | 5.7 | 3.7 | |
| 1.25 | | | | | 5.6 | 3.4 | |
| 1.50 | | | | | 6.2 | 2.9 | |
| 1.75 | | | | | 6.0 | 4.5 | |
| 2.00 | | | | | 5.5 | 4.5 | |
| 2.25 | | | | | 5.5 | 4.5 | |
| 2.50 | | | | | 5.4 | 4.0 | |
| 2.75 | | | | | 5.4 | 4.1 | |

Notes:

Site 5m contour at base of rise
Site On headland next to drain

Project: SEA **Site:** 581

Soil Name: No record

Location: GDA 94 ZONE 56 501951 mE 7050848 mN
Location: AGD 84 ZONE 56 501845 mE 7050660 mN

Described By: Malcolm, D (Don)

Date: 14-Aug-1997

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: firm

Substrate Lithology: No record
Element: plain
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: Sulfidic, Redoxic, HYDROSOL
GSG: No record
PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| A1 | 0.00 to 0.10 | Brownish black (10YR32) moist; very few <2% fine <5mm distinct orange mottles; sandy light clay; moderate 2-5mm granular structure; few 2-10% medium 2-6mm manganiferous soft segregations; |
| B21c | 0.10 to 0.80 | Greyish yellow-brown (10YR52) moist; common 10-20% medium 5-15mm distinct orange mottles; sandy light medium clay; moderate 2-5mm subangular blocky structure; common 10-20% medium 2-6mm manganiferous nodules; |
| B22 | 0.80 to 1.50 | Brownish grey (10YR61) moist; many 20-50% coarse 15-30mm distinct orange mottles; medium clay; moderate 2-5mm subangular blocky structure; very few <2% medium 2-6mm manganiferous soft segregations; |
| 2C1 | 1.50 to 2.00 | Dull yellowish orange (10YR72) moist; coarse sand; common 10-20% subangular quartz small pebbles 2-6mm; massive structure; |
| 3C2u | 2.00 to 2.50 | Yellowish grey (2.5Y41) moist; silty light clay; massive structure; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 6.1 | 4.2 | |
| 0.30 | | | | | 5.4 | 4.0 | |
| 0.60 | | | | | 5.2 | 4.3 | |
| 0.80 | | | | | 5.1 | 3.9 | |
| 1.00 | | | | | 5.0 | 4.0 | |
| 1.25 | | | | | 4.3 | 2.7 | |
| 1.50 | | | | | 5.1 | 4.0 | |
| 1.75 | | | | | 5.0 | 3.6 | |
| 2.00 | | | | | 4.6 | 2.6 | |
| 2.25 | | | | | 5.0 | 0.9 | |
| 2.50 | | | | | 5.6 | 0.7 | |

Notes:

Location Eudlo Creek

Project: SEA

Site: 616

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

510951 mE
510845 mE

7047100 mN
7046912 mN

Described By: Malcolm, D (Don)

Date: 17-Sep-1997

Landscape:

Geology: No record
Landform Pattern: tidal flat
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: firm

Substrate Lithology: No record
Element: supratidal flat
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: Sulfuric, Redoxic, HYDROSOL
GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| A1 | 0.00 to 0.10 | Black (10YR21) moist; sandy clay loam; weak 2-5mm granular structure; |
| B21 | 0.10 to 0.50 | Brownish grey (10YR61) moist; common 10-20% medium 5-15mm distinct orange mottles; loamy sand; massive structure; |
| 2B21 | 0.50 to 1.10 | Greyish yellow-brown (10YR42) moist; few 2-10% medium 5-15mm distinct orange mottles; sandy light clay; massive structure; |
| 2C1 | 1.10 to 1.30 | Brownish grey (10YR51) moist; clayey sand; massive structure; |
| 2C2 | 1.30 to 1.80 | Dark greyish yellow (2.5Y52) moist; clayey sand; massive structure; |
| 2C3 | 1.80 to 2.50 | Yellowish grey (2.5Y61) moist; clayey sand; massive structure; |
| 3D | 2.50 to 3.00 | Grey (N50) moist; sandy medium clay; massive structure; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.9 | 2.2 | |
| 0.30 | | | | | 4.1 | 2.1 | |
| 0.60 | | | | | 4.2 | 2.3 | |
| 0.80 | | | | | 4.0 | 2.3 | |
| 1.00 | | | | | 4.3 | 1.3 | |
| 1.25 | | | | | 4.0 | 1.6 | |
| 1.50 | | | | | 4.2 | 1.5 | |
| 1.75 | | | | | 4.0 | 1.9 | |
| 2.00 | | | | | 3.8 | 1.8 | |
| 2.25 | | | | | 3.8 | 1.2 | |
| 2.50 | | | | | 3.9 | 1.6 | |
| 2.75 | | | | | 3.9 | 1.7 | |
| 3.00 | | | | | 4.1 | 1.5 | |

Notes:

Location Edge of Supratidal flat and Melaleuca forest

Project: SEA

Site: 617

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

511298 mE
511192 mE

7045215 mN
7045027 mN

Described By: Malcolm, D (Don)

Date: 18-Sep-1997

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: firm

Substrate Lithology: No record
Element: plain
Permeability: No record
Microrelief Component: No record
Slope: 0.5 %

Classifications:

ASC: Sulfidic, Redoxic, HYDROSOL

GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| A11 | 0.00 to 0.20 | Brownish black (10YR32) moist; sandy loam; massive structure; |
| A12 | 0.20 to 0.50 | Yellowish grey (2.5Y41) moist; common 10-20% medium 5-15mm distinct orange mottles; sandy loam; massive structure; |
| B21ia | 0.50 to 0.80 | Yellowish grey (2.5Y51) moist; common 10-20% medium 5-15mm distinct orange, few 2-10% medium 5-15mm distinct yellow jarositic (from pyrite) mottles; clayey sand; massive structure; |
| 2C1u | 0.80 to 1.20 | Dark greyish yellow (2.5Y52) moist; clayey sand; massive structure; |
| 3C1u | 1.20 to 3.00 | Grey (5Y51) moist; fine sandy light clay; massive structure; |
| 3C2u | 3.00 to 3.40 | Grey (5Y41) moist; fine sandy light clay; few 2-10% angular shell large pebbles 20-60mm; massive structure; |
| 4D1 | 3.40 to 3.50 | Grey (5Y51) moist; medium heavy clay; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.2 | 3.8 | |
| 0.30 | | | | | 4.3 | 3.4 | |
| 0.60 | | | | | 3.2 | 2.8 | |
| 0.80 | | | | | 3.1 | 2.2 | |
| 1.00 | | | | | 4.1 | 2.8 | |
| 1.25 | | | | | 4.0 | 1.0 | |
| 1.50 | | | | | 4.2 | 1.0 | |
| 1.75 | | | | | 4.7 | 1.0 | |
| 2.00 | | | | | 5.6 | 1.0 | |
| 2.25 | | | | | 6.2 | 1.5 | |
| 2.50 | | | | | 6.5 | 1.1 | |
| 2.75 | | | | | 6.6 | 1.0 | |
| 3.00 | | | | | 6.7 | 0.7 | |
| 3.25 | | | | | 6.6 | 0.5 | |
| 3.50 | | | | | 6.6 | 5.3 | |

Notes:

Vegetation Melaleuca forest

Project: SEA **Site:** 618

Soil Name: No record

Location: GDA 94 **ZONE** 56 **511529 mE** **7045806 mN**
Location: AGD 84 **ZONE** 56 **511423 mE** **7045618 mN**

Described By: Malcolm, D (Don)

Date: 18-Sep-1997

Landscape:

Geology: No record **Substrate Lithology:** No record
Landform Pattern: alluvial plain **Element:** plain
Runoff: No record **Permeability:** No record
Microrelief: No record **Microrelief Component:** No record
Drainage: No record **Slope:** 1 %
Surface Coarse Fragments: No record
Surface Condition: firm

Classifications:

ASC: Sulfidic, Oxyaquic, HYDROSOL

GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| A1 | 0.00 to 0.15 | Brownish black (10YR22) moist; sandy loam; weak 2-5mm granular structure; |
| A2 | 0.15 to 0.30 | Brownish grey (10YR61) moist; common 10-20% medium 5-15mm distinct orange mottles; light medium clay; massive structure; |
| 2B2 | 0.30 to 0.50 | Brownish grey (10YR41) moist; few 2-10% medium 5-15mm distinct orange mottles; sandy light medium clay; massive structure; |
| 3C1u | 0.50 to 1.10 | Brownish grey (10YR51) moist; clayey sand; massive structure; |
| 4C2u | 1.10 to 1.80 | Yellowish grey (2.5Y51) moist; loamy sand; massive structure; strongly cemented continuous massive organic pan; |
| 5D1 | 1.80 to 2.50 | Light grey (2.5Y71) moist; sandy medium heavy clay; massive structure; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 5.1 | 3.8 | |
| 0.30 | | | | | 5.7 | 3.7 | |
| 0.60 | | | | | 4.7 | 3.7 | |
| 0.80 | | | | | 4.8 | 3.8 | |
| 1.00 | | | | | 4.9 | 3.6 | |
| 1.25 | | | | | 5.6 | 3.8 | |
| 1.50 | | | | | 5.2 | 4.3 | |
| 1.75 | | | | | 5.9 | 4.1 | |
| 2.00 | | | | | 6.0 | 4.5 | |
| 2.25 | | | | | 6.2 | 4.4 | |
| 2.50 | | | | | 5.9 | 4.8 | |

Notes:

Site Recently cleared area

Project: SEA **Site:** 619

Soil Name: No record

Location: GDA 94 ZONE 56 510205 mE 7046283 mN
Location: AGD 84 ZONE 56 510099 mE 7046095 mN

Described By: Malcolm, D (Don)

Date: 18-Sep-1997

Landscape:

Geology: No record

Substrate Lithology: No record

Landform Pattern: beach ridge plain

Element: swale

Runoff: No record

Permeability: No record

Microrelief: No record

Microrelief Component: No record

Drainage: No record

Slope: No record

Surface Coarse Fragments: No record

Surface Condition: firm

Classifications:

ASC: Oxyaquic, HYDROSOL

GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| A11 | 0.00 to 0.10 | Black (10YR21) moist; fine sandy clay loam; massive structure; |
| A12 | 0.10 to 0.50 | Brownish grey (10YR41) moist; sandy loam; massive structure; |
| A21e | 0.50 to 1.00 | Light grey (10YR81) moist; fine sand; massive structure; |
| A22 | 1.00 to 1.75 | Greyish yellow-brown (10YR62) moist; sand; massive structure; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.0 | 3.4 | |
| 0.30 | | | | | 4.5 | 4.0 | |
| 0.60 | | | | | 5.0 | 4.1 | |
| 0.80 | | | | | 4.8 | 4.0 | |
| 1.00 | | | | | 4.9 | 4.1 | |
| 1.25 | | | | | 4.6 | 4.0 | |
| 1.50 | | | | | 4.4 | 3.6 | |
| 1.75 | | | | | 4.1 | 3.6 | |

Notes:

Project: SEA

Site: 620

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

510392 mE
510286 mE

7046043 mN
7045855 mN

Described By: Malcolm, D (Don)

Date: 23-Sep-1997

Landscape:

Geology: No record
Landform Pattern: beach ridge plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: firm

Substrate Lithology: No record
Element: beach ridge
Permeability: No record
Microrelief Component: No record
Slope: 1 %

Classifications:

ASC: Sulfuric, Redoxic, HYDROSOL
GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| A11 | 0.00 to 0.15 | Black (10YR21) moist; sandy loam; massive structure; |
| A12 | 0.15 to 0.70 | Brownish black (10YR31) moist; few 2-10% medium 5-15mm distinct orange mottles; sandy loam; massive structure; |
| B2 | 0.70 to 1.40 | Greyish yellow-brown (10YR42) moist; common 10-20% medium 5-15mm distinct orange mottles; sandy light clay; massive structure; |
| 2C1 | 1.40 to 1.60 | Yellowish grey (2.5Y61) moist; sand; massive structure; |
| 3C2 | 1.60 to 2.20 | Yellowish grey (2.5Y61) moist; sandy light medium clay; massive structure; |
| 4C3 | 2.20 to 3.00 | Light grey (2.5Y71) moist; clayey sand; massive structure; |
| 5C4 | 3.00 to 3.60 | Grey (5Y61) moist; coarse sandy light medium clay; massive structure; |
| 6C5 | 3.60 to 4.00 | Light grey (5Y71) moist; coarse sandy light clay; massive structure; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.1 | 1.7 | |
| 0.30 | | | | | 4.6 | 2.8 | |
| 0.60 | | | | | 4.3 | 2.3 | |
| 0.80 | | | | | 3.8 | 2.1 | |
| 1.00 | | | | | 3.8 | 1.9 | |
| 1.25 | | | | | 3.9 | 0.8 | |
| 1.50 | | | | | 4.4 | 2.1 | |
| 1.75 | | | | | 6.3 | 1.9 | |
| 2.00 | | | | | 6.0 | 2.6 | |
| 2.25 | | | | | 5.9 | 4.6 | |
| 2.50 | | | | | 5.1 | 2.0 | |
| 2.75 | | | | | 5.2 | 2.1 | |
| 3.00 | | | | | 5.1 | 2.2 | |
| 3.25 | | | | | 5.5 | 2.1 | |
| 3.50 | | | | | 5.0 | 2.0 | |
| 3.75 | | | | | 5.7 | 2.6 | |
| 4.00 | | | | | 4.7 | 2.3 | |

Notes:

Project: SEA

Site: 621

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

510556 mE
510450 mE

7046113 mN
7045925 mN

Described By: Malcolm, D (Don)

Date: 23-Sep-1997

Landscape:

Geology: No record
Landform Pattern: tidal flat
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: No record
Element: supratidal flat
Permeability: No record
Microrelief Component: No record
Slope: 0.5 %

Classifications:

ASC: Sulfuric, Oxyaquic, HYDROSOL

GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| A1 | 0.00 to 0.10 | Black (10YR21) moist; few 2-10% fine <5mm distinct orange mottles; silty light clay; massive structure; |
| B21i | 0.10 to 0.70 | Greyish yellow-brown (10YR42) moist; few 2-10% fine <5mm distinct orange mottles; silty light medium clay; massive structure; |
| 2C1u | 0.70 to 1.80 | Olive black (5Y31) moist; silty light clay; massive structure; |
| 3C2u | 1.80 to 3.00 | Brownish grey (7.5YR51) moist; silty light clay; massive structure; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 6.5 | 3.2 | |
| 0.30 | | | | | 4.9 | 3.7 | |
| 0.60 | | | | | 3.7 | 2.0 | |
| 0.80 | | | | | 3.7 | | |
| 1.00 | | | | | 3.9 | 1.0 | |
| 1.25 | | | | | 5.3 | | |
| 1.50 | | | | | 5.4 | 1.5 | |
| 1.75 | | | | | 5.5 | | |
| 2.00 | | | | | 5.7 | 1.4 | |
| 2.25 | | | | | 5.8 | | |
| 2.50 | | | | | 6.0 | 1.1 | |
| 2.75 | | | | | 5.9 | | |
| 3.00 | | | | | 5.8 | 1.6 | |

Notes:

Project: SEA

Site: 622

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

511067 mE
510961 mE

7045841 mN
7045653 mN

Described By: Malcolm, D (Don)

Date: 23-Sep-1997

Landscape:

Geology: No record
Landform Pattern: beach ridge plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: soft

Substrate Lithology: No record
Element: beach ridge
Permeability: No record
Microrelief Component: No record
Slope: 2 %

Classifications:

ASC: Humic, Aquic, PODOSOL
GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| A1 | 0.00 to 0.10 | Greyish yellow-brown (10YR42) moist; few 2-10% fine <5mm distinct orange mottles; loamy sand; massive structure; |
| A21e | 0.10 to 0.50 | Dull yellowish orange (10YR73) moist; many 20-50% coarse 15-30mm distinct orange mottles; sand; single grain structure; |
| A22e | 0.50 to 0.70 | Light grey (10YR81) moist; common 10-20% coarse 15-30mm distinct orange mottles; sand; single grain structure; |
| B21h | 0.70 to 1.00 | Black (10YR21) moist; loamy sand; massive structure; |
| B22hs | 1.00 to 1.30 | Dark brown (7.5YR33) moist; loamy sand; massive structure; |
| C1 | 1.30 to 1.80 | Light brownish grey (7.5YR72) moist; sandy loam; massive structure; weakly cemented continuous massive organic pan; |
| 2D1 | 1.80 to 2.80 | Light grey (10YR71) moist; sandy medium clay; massive structure; |
| 2D2 | 2.80 to 3.50 | Dull yellowish orange (10YR72) moist; sandy light medium clay; massive structure; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.5 | 3.8 | |
| 0.30 | | | | | 5.3 | 5.2 | |
| 0.60 | | | | | 5.0 | 4.3 | |
| 0.80 | | | | | 4.5 | 4.4 | |
| 1.00 | | | | | 5.4 | 3.9 | |
| 1.25 | | | | | 5.2 | 4.2 | |
| 1.50 | | | | | 5.1 | 4.8 | |
| 1.75 | | | | | 5.2 | 5.1 | |
| 2.00 | | | | | 5.1 | 5.1 | |
| 2.25 | | | | | 5.7 | 5.3 | |
| 2.50 | | | | | 5.7 | 5.2 | |
| 2.75 | | | | | 6.0 | 5.3 | |
| 3.00 | | | | | 5.6 | 5.2 | |
| 3.25 | | | | | 5.8 | 5.4 | |
| 3.50 | | | | | 6.2 | 5.1 | |

Notes:

Project: SEA

Site: 623

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

506174 mE
506068 mE

7053856 mN
7053668 mN

Described By: Malcolm, D (Don)

Date: 01-Oct-1997

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: poached

Substrate Lithology: No record
Element: plain
Permeability: No record
Microrelief Component: No record
Slope: 1 %

Classifications:

ASC: Sulfidic, Redoxic, HYDROSOL
GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| A1 | 0.00 to 0.15 | Black (10YR21) moist; very few <2% fine <5mm distinct orange mottles; sandy clay loam; weak 2-5mm granular structure; |
| B21 | 0.15 to 0.60 | Greyish yellow-brown (10YR62) moist; common 10-20% medium 5-15mm distinct orange mottles; sandy light clay; massive structure; |
| 2B2i | 0.60 to 1.00 | Brownish grey (10YR61) moist; common 10-20% medium 5-15mm distinct orange mottles; sand; massive structure; |
| 3C1u | 1.00 to 2.50 | Yellowish grey (2.5Y41) moist; sand; few 2-10% angular shell medium pebbles 6-20mm; massive structure; |
| 4C2u | 2.50 to 2.80 | Grey (5Y41) moist; sandy light clay; few 2-10% angular shell medium pebbles 6-20mm; massive structure; |
| 5C3u | 2.80 to 3.00 | Yellowish grey (2.5Y41) moist; clayey sand; very few <2% angular shell medium pebbles 6-20mm; massive structure; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 6.3 | 3.9 | |
| 0.30 | | | | | 6.8 | 4.0 | |
| 0.60 | | | | | 8.1 | 5.8 | |
| 0.80 | | | | | 7.9 | 5.7 | |
| 1.00 | | | | | 7.9 | 2.2 | |
| 1.25 | | | | | 7.6 | 2.7 | |
| 1.50 | | | | | 7.3 | 2.3 | |
| 1.75 | | | | | 7.3 | 2.2 | |
| 2.00 | | | | | 7.8 | 1.6 | |
| 2.25 | | | | | 8.1 | 1.9 | |
| 2.50 | | | | | 7.9 | 2.3 | |
| 2.75 | | | | | 7.8 | 2.6 | |
| 3.00 | | | | | 7.9 | 2.8 | |

Notes:

Project: SEA **Site:** 624

Soil Name: No record

Location: GDA 94 **ZONE** 56 **506534 mE** **7053938 mN**
Location: AGD 84 **ZONE** 56 **506428 mE** **7053750 mN**

Described By: Malcolm, D (Don)

Date: 01-Oct-1997

Landscape:

Geology: No record

Landform Pattern: alluvial plain

Runoff: No record

Microrelief: No record

Drainage: No record

Surface Coarse Fragments: No record

Surface Condition: firm

Substrate Lithology: No record

Element: plain

Permeability: No record

Microrelief Component: No record

Slope: 1 %

Classifications:

ASC: Sulfidic, Redoxic, HYDROSOL

GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| A11 | 0.00 to 0.15 | Brownish black (10YR22) moist; sandy clay loam; weak 2-5mm granular structure; |
| A12 | 0.15 to 0.40 | Dark brown (10YR33) moist; few 2-10% medium 5-15mm distinct orange mottles; sandy loam; massive structure; |
| B2 | 0.40 to 1.00 | Greyish yellow-brown (10YR62) moist; common 10-20% coarse 15-30mm distinct orange mottles; loamy sand; massive structure; |
| 2B2 | 1.00 to 1.30 | Greyish yellow-brown (10YR52) moist; common 10-20% coarse 15-30mm distinct orange mottles; loamy sand; few 2-10% angular shell medium pebbles 6-20mm; massive structure; |
| 2C1u | 1.30 to 2.20 | Yellowish grey (2.5Y41) moist; clayey sand; few 2-10% angular shell medium pebbles 6-20mm; massive structure; |
| 3C2u | 2.20 to 3.00 | Yellowish grey (2.5Y51) moist; sand; few 2-10% angular shell medium pebbles 6-20mm; massive structure; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 6.4 | 2.7 | |
| 0.30 | | | | | 7.4 | 3.9 | |
| 0.60 | | | | | 5.7 | 4.2 | |
| 0.80 | | | | | 6.3 | 4.5 | |
| 1.00 | | | | | 7.3 | 5.3 | |
| 1.25 | | | | | 7.4 | 4.0 | |
| 1.50 | | | | | 6.9 | 2.3 | |
| 1.75 | | | | | 7.7 | 1.7 | |
| 2.00 | | | | | 7.9 | 1.8 | |
| 2.25 | | | | | 7.8 | 2.1 | |
| 2.50 | | | | | 7.7 | 2.8 | |
| 2.75 | | | | | 7.7 | 2.2 | |

Notes:

Project: SEA

Site: 625

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

506759 mE
506653 mE

7054248 mN
7054060 mN

Described By: Malcolm, D (Don)

Date: 01-Oct-1997

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: poached

Substrate Lithology: No record
Element: plain
Permeability: No record
Microrelief Component: No record
Slope: 1 %

Classifications:

ASC: Sulfidic, Oxyaquic, HYDROSOL

GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| A1 | 0.00 to 0.10 | Black (10YR21) moist; sandy clay loam; massive structure; |
| B21 | 0.10 to 0.60 | Brownish grey (10YR61) moist; common 10-20% medium 5-15mm distinct orange mottles; sandy light clay; massive structure; |
| 2C1u | 0.60 to 2.00 | Yellowish grey (2.5Y51) moist; clayey sand; massive structure; |
| 2C2u | 2.00 to 3.00 | Yellowish grey (2.5Y41) moist; clayey sand; massive structure; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 6.2 | 3.5 | |
| 0.30 | | | | | 6.8 | 5.1 | |
| 0.60 | | | | | 7.2 | 4.8 | |
| 0.80 | | | | | 7.8 | 3.8 | |
| 1.00 | | | | | 7.4 | 3.1 | |
| 1.25 | | | | | 6.9 | 2.3 | |
| 1.50 | | | | | 7.1 | 2.0 | |
| 1.75 | | | | | 7.2 | 2.0 | |
| 2.00 | | | | | 7.1 | 2.0 | |
| 2.25 | | | | | 7.2 | 2.1 | |
| 2.50 | | | | | 7.3 | 1.9 | |
| 2.75 | | | | | 7.1 | 2.0 | |
| 3.00 | | | | | 7.2 | 2.5 | |

Notes:

Project: SEA

Site: 626

Soil Name: No record

Location: GDA 94 ZONE 56 506837 mE 7054817 mN
Location: AGD 84 ZONE 56 506731 mE 7054629 mN

Described By: Malcolm, D (Don)

Date: 02-Oct-1997

Landscape:

Geology: No record **Substrate Lithology:** No record
Landform Pattern: alluvial plain **Element:** plain
Runoff: No record **Permeability:** No record
Microrelief: No record **Microrelief Component:** No record
Drainage: No record **Slope:** 1 %
Surface Coarse Fragments: No record
Surface Condition: poached

Classifications:

ASC: Sulfidic, Redoxic, HYDROSOL
GSG: No record **PPF:** No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| A1 | 0.00 to 0.15 | Brownish black (10YR31) moist; fine sandy light clay; weak 2-5mm granular structure; |
| B21 | 0.15 to 0.50 | Greyish yellow-brown (10YR42) moist; common 10-20% medium 5-15mm distinct orange mottles; fine sandy light medium clay; moderate 2-5mm subangular blocky structure; |
| 2B21 | 0.50 to 0.70 | Light grey (10YR71) moist; very few <2% medium 5-15mm distinct orange mottles; sand; massive structure; |
| 2B22 | 0.70 to 1.40 | Greyish yellow-brown (10YR62) moist; common 10-20% coarse 15-30mm distinct orange mottles; sand; massive structure; |
| 3C1u | 1.40 to 2.10 | Yellowish grey (2.5Y41) moist; clayey sand; massive structure; |
| 4C1u | 2.10 to 3.00 | Yellowish grey (2.5Y61) moist; sand; massive structure; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.8 | 3.1 | |
| 0.30 | | | | | 4.9 | 3.3 | |
| 0.60 | | | | | 5.4 | 4.2 | |
| 0.80 | | | | | 5.0 | 4.2 | |
| 1.00 | | | | | 4.7 | 3.9 | |
| 1.25 | | | | | 4.0 | 3.9 | |
| 1.50 | | | | | 4.0 | 3.7 | |
| 1.75 | | | | | 4.2 | 1.7 | |
| 2.00 | | | | | 4.5 | 1.8 | |
| 2.25 | | | | | 4.6 | 2.1 | |
| 2.50 | | | | | 4.2 | 2.0 | |
| 2.75 | | | | | 4.3 | 1.9 | |
| 3.00 | | | | | 4.8 | 1.8 | |

Notes:

Project: SEA

Site: 627

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

506249 mE
506143 mE

7054871 mN
7054683 mN

Described By: Malcolm, D (Don)

Date: 02-Oct-1997

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: poached

Substrate Lithology: No record
Element: plain
Permeability: No record
Microrelief Component: No record
Slope: 1 %

Classifications:

ASC: Sulfidic, Redoxic, HYDROSOL

GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| A1 | 0.00 to 0.10 | Brownish black (10YR31) moist; fine sandy light clay; weak 2-5mm granular structure; |
| B21 | 0.10 to 0.40 | Greyish yellow-brown (10YR52) moist; common 10-20% medium 5-15mm distinct orange mottles; fine sandy light medium clay; weak 2-5mm subangular blocky structure; |
| 2B2 | 0.40 to 0.80 | Brownish grey (10YR61) moist; common 10-20% coarse 15-30mm distinct orange mottles; sand; massive structure; |
| 3B21 | 0.80 to 1.20 | Brownish grey (10YR51) moist; very few <2% coarse 15-30mm distinct orange mottles; clayey sand; massive structure; |
| 3C1u | 1.20 to 2.30 | Yellowish grey (2.5Y41) moist; clayey sand; common 10-20% angular shell medium pebbles 6-20mm; massive structure; |
| 4C2u | 2.30 to 3.00 | Yellowish grey (2.5Y51) moist; sand; few 2-10% angular shell medium pebbles 6-20mm; massive structure; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 7.1 | 3.6 | |
| 0.30 | | | | | 7.3 | 5.7 | |
| 0.60 | | | | | 7.8 | 5.6 | |
| 0.80 | | | | | 6.9 | 4.3 | |
| 1.00 | | | | | 7.3 | 1.5 | |
| 1.25 | | | | | 7.3 | 2.3 | |
| 1.50 | | | | | 7.3 | 2.4 | |
| 1.75 | | | | | 7.2 | 2.2 | |
| 2.00 | | | | | 7.5 | 2.3 | |
| 2.25 | | | | | 7.4 | 2.7 | |
| 2.50 | | | | | 7.7 | 2.3 | |
| 2.75 | | | | | 7.5 | 2.4 | |
| 3.00 | | | | | 7.2 | 4.8 | |

Notes:

Project: SEA

Site: 628

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

506243 mE
506137 mE

7054352 mN
7054164 mN

Described By: Malcolm, D (Don)

Date: 02-Oct-1997

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: No record
Element: plain
Permeability: No record
Microrelief Component: No record
Slope: 0.5 %

Classifications:

ASC: Sulfidic, Redoxic, HYDROSOL

GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| A1 | 0.00 to 0.15 | Brownish black (10YR31) moist; fine sandy light clay; weak 2-5mm granular structure; |
| B21 | 0.15 to 0.40 | Greyish yellow-brown (10YR42) moist; very few <2% medium 5-15mm distinct orange mottles; fine sandy light medium clay; weak 2-5mm subangular blocky structure; |
| 2B21 | 0.40 to 0.70 | Brownish grey (10YR51) moist; common 10-20% medium 5-15mm distinct orange mottles; sand; massive structure; |
| 2B22 | 0.70 to 1.00 | Light grey (10YR71) moist; few 2-10% medium 5-15mm distinct orange mottles; sand; massive structure; |
| 2C1u | 1.00 to 1.30 | Brownish grey (10YR51) moist; sand; massive structure; |
| 2C2u | 1.30 to 1.75 | Grey (10Y41) moist; sand; massive structure; |
| 3C1u | 1.75 to 2.75 | Dark grey (2.5Y41) moist; clayey sand; massive structure; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.8 | 2.9 | |
| 0.30 | | | | | 6.1 | 3.2 | |
| 0.60 | | | | | 6.2 | 3.7 | |
| 0.80 | | | | | 6.9 | 4.9 | |
| 1.00 | | | | | 7.0 | 3.6 | |
| 1.25 | | | | | 6.8 | 3.4 | |
| 1.50 | | | | | 7.2 | 1.2 | |
| 1.75 | | | | | 7.4 | 2.1 | |
| 2.00 | | | | | 7.3 | 1.4 | |
| 2.25 | | | | | 7.4 | 1.9 | |
| 2.50 | | | | | 7.5 | 2.2 | |
| 2.75 | | | | | 6.9 | 2.1 | |

Notes:

Project: SEA **Site:** 629

Soil Name: No record

Location: GDA 94 **ZONE** 56 **508775 mE** **7053807 mN**
Location: AGD 84 **ZONE** 56 **508669 mE** **7053619 mN**

Described By: Malcolm, D (Don)

Date: 02-Oct-1997

Landscape:

Geology: No record

Landform Pattern: beach ridge plain

Runoff: No record

Microrelief: No record

Drainage: No record

Surface Coarse Fragments: No record

Surface Condition: No record

Substrate Lithology: No record

Element: beach

Permeability: No record

Microrelief Component: No record

Slope: 0.5 %

Classifications:

ASC: Sulfidic, Oxyaquic, HYDROSOL

GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| A1 | 0.00 to 0.30 | Brownish black (10YR31) moist; sandy loam; massive structure; |
| B2 | 0.30 to 0.90 | Greyish yellow-brown (10YR62) moist; few 2-10% coarse 15-30mm distinct orange mottles; sand; massive structure; |
| 2C1u | 0.90 to 2.00 | Yellowish grey (2.5Y41) moist; clayey sand; massive structure; |
| 3C2u | 2.00 to 2.75 | Yellowish grey (2.5Y51) moist; sand; massive structure; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 5.0 | 4.1 | |
| 0.30 | | | | | 5.6 | 4.5 | |
| 0.60 | | | | | 5.7 | 4.6 | |
| 0.80 | | | | | 4.6 | 4.1 | |
| 1.00 | | | | | 4.8 | 2.2 | |
| 1.25 | | | | | 5.0 | 2.4 | |
| 1.50 | | | | | 4.8 | 1.8 | |
| 1.75 | | | | | 4.9 | 1.4 | |
| 2.00 | | | | | 5.2 | 1.4 | |
| 2.25 | | | | | 4.9 | 2.0 | |
| 2.50 | | | | | 5.3 | 1.9 | |
| 2.75 | | | | | 5.4 | 1.8 | |

Notes:

Location Just off Nojoor Rd Maroochydore

Project: SEA **Site:** 630

Soil Name: No record

Location: GDA 94 **ZONE** 56 **508780 mE** **7054626 mN**
Location: AGD 84 **ZONE** 56 **508674 mE** **7054438 mN**

Described By: Malcolm, D (Don)

Date: 07-Oct-1997

Landscape:

Geology: No record
Landform Pattern: beach ridge plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: firm

Substrate Lithology: No record
Element: beach
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: Sulfidic, Redoxic, HYDROSOL

GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| A11 | 0.00 to 0.10 | Dark brown (10YR33) moist; loamy sand; massive structure; |
| A12 | 0.10 to 0.30 | Dark brown (10YR34) moist; loamy sand; massive structure; |
| 2B | 0.30 to 1.90 | Dull yellowish orange (10YR72) moist; very few <2% medium 5-15mm distinct orange mottles; sand; massive structure; |
| 3C | 1.90 to 2.00 | Brownish grey (10YR41) moist; sand; massive structure; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 5.0 | 3.3 | |
| 0.30 | | | | | 4.9 | 4.5 | |
| 0.60 | | | | | 4.8 | 4.5 | |
| 0.80 | | | | | 4.8 | 4.5 | |
| 1.00 | | | | | 5.1 | 4.7 | |
| 1.25 | | | | | 5.2 | 4.6 | |
| 1.50 | | | | | 5.1 | 4.7 | |
| 1.75 | | | | | 5.2 | 4.7 | |
| 2.00 | | | | | 4.7 | 1.8 | |

Notes:

Observation Podsol over Estuarine Sand

Project: SEA **Site:** 631

Soil Name: No record

Location: GDA 94 **ZONE** 56 **509190 mE** **7055788 mN**
Location: AGD 84 **ZONE** 56 **509084 mE** **7055600 mN**

Described By: Malcolm, D (Don)

Date: 07-Oct-1997

Landscape:

Geology: No record

Substrate Lithology: No record

Landform Pattern: No record

Element: beach

Runoff: No record

Permeability: No record

Microrelief: No record

Microrelief Component: No record

Drainage: No record

Slope: No record

Surface Coarse Fragments: No record

Surface Condition: firm

Classifications:

ASC: Sulfidic, Redoxic, HYDROSOL

GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| A11 | 0.00 to 0.30 | Brownish grey (10YR41) moist; loamy sand; massive structure; |
| A12 | 0.30 to 0.60 | Dark brown (10YR34) moist; few 2-10% coarse 15-30mm distinct orange mottles; loamy sand; massive structure; |
| 2B21 | 0.60 to 1.00 | Dull yellowish brown (10YR54) moist; few 2-10% coarse 15-30mm distinct orange mottles; sand; massive structure; |
| 2B22 | 1.00 to 2.40 | Dull yellowish orange (10YR72) moist; very few <2% medium 5-15mm distinct orange mottles; sand; massive structure; |
| 3C1u | 2.40 to 2.50 | Yellowish grey (2.5Y41) moist; sand; massive structure; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.4 | 4.2 | |
| 0.30 | | | | | 4.5 | 4.2 | |
| 0.60 | | | | | 4.6 | 4.0 | |
| 0.80 | | | | | 4.6 | 4.0 | |
| 1.00 | | | | | 4.7 | 4.6 | |
| 1.25 | | | | | 4.7 | 4.5 | |
| 1.50 | | | | | 4.7 | 4.0 | |
| 1.75 | | | | | 4.6 | 2.6 | |
| 2.00 | | | | | 4.5 | 3.0 | |
| 2.25 | | | | | 4.6 | 3.4 | |
| 2.50 | | | | | 4.8 | 1.4 | |

Notes:

Observation Podsol over Estuarine Sand

Project: SEA **Site:** 632

Soil Name: No record

Location: GDA 94 ZONE 56 505787 mE 7055049 mN
Location: AGD 84 ZONE 56 505681 mE 7054861 mN

Described By: Malcolm, D (Don)

Date: 29-Oct-1997

Landscape:

Geology: No record

Substrate Lithology: No record

Landform Pattern: plain

Element: plain

Runoff: No record

Permeability: No record

Microrelief: No record

Microrelief Component: No record

Drainage: No record

Slope: 1 %

Surface Coarse Fragments: No record

Surface Condition: poached

Classifications:

ASC: Sulfidic, Oxyaquic, HYDROSOL

GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| Ap | 0.00 to 0.30 | Brownish black (10YR31) moist; silty clay loam; weak 2-5mm granular structure; |
| 2B | 0.30 to 0.90 | Yellowish grey (2.5Y51) moist; common 10-20% medium 5-15mm distinct orange mottles; loamy sand; massive structure; |
| 2C1 | 0.90 to 1.50 | Dark greyish yellow (2.5Y52) moist; clayey sand; massive structure; |
| 3C2u | 1.50 to 3.00 | Grey (5Y41) moist; clayey sand; common 10-20% angular shell medium pebbles 6-20mm; massive structure; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 6.8 | 5.0 | |
| 0.30 | | | | | 7.3 | 5.2 | |
| 0.60 | | | | | 7.5 | 5.5 | |
| 0.80 | | | | | 7.8 | 5.6 | |
| 1.00 | | | | | 7.7 | 5.5 | |
| 1.25 | | | | | 6.6 | 5.6 | |
| 1.50 | | | | | 6.5 | 2.3 | |
| 1.75 | | | | | 6.6 | 1.0 | |
| 2.00 | | | | | 6.5 | 1.1 | |
| 2.25 | | | | | 6.7 | 2.6 | |
| 2.50 | | | | | 6.5 | 1.1 | |
| 2.75 | | | | | 6.5 | 0.9 | |
| 3.00 | | | | | 6.9 | 1.0 | |

Notes:

Observation Podsol over Estuarine

Project: SEA

Site: 633

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

505671 mE
505565 mE

7054633 mN
7054445 mN

Described By: Malcolm, D (Don)

Date: 29-Oct-1997

Landscape:

Geology: No record
Landform Pattern: plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: poached

Substrate Lithology: No record
Element: plain
Permeability: No record
Microrelief Component: No record
Slope: 1 %

Classifications:

ASC: Sulfidic, Redoxic, HYDROSOL

GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| A11 | 0.00 to 0.10 | Brownish black (10YR31) moist; silty clay loam; weak 2-5mm granular structure; |
| A12 | 0.10 to 0.30 | Brownish black (10YR32) moist; silty light clay; weak 2-5mm subangular blocky structure; |
| B21 | 0.30 to 0.80 | Yellowish grey (2.5Y51) moist; common 10-20% medium 5-15mm distinct orange mottles; sandy light clay; massive structure; |
| 2B21i | 0.80 to 1.10 | Dark greyish yellow (2.5Y52) moist; few 2-10% coarse 15-30mm distinct orange mottles; loamy sand; massive structure; |
| 3C1u | 1.10 to 2.50 | Grey (5Y41) moist; clayey sand; common 10-20% angular shell medium pebbles 6-20mm, very few <2% angular shell large pebbles 20-60mm; massive structure; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 7.4 | 4.8 | |
| 0.30 | | | | | 8.1 | 6.0 | |
| 0.60 | | | | | 8.3 | 6.1 | |
| 0.80 | | | | | 8.1 | 5.7 | |
| 1.00 | | | | | 7.8 | 1.3 | |
| 1.25 | | | | | 7.8 | 2.1 | |
| 1.50 | | | | | 7.9 | 2.3 | |
| 1.75 | | | | | 7.9 | 2.5 | |
| 2.00 | | | | | 7.9 | 2.5 | |
| 2.25 | | | | | 7.9 | 2.6 | |
| 2.50 | | | | | 7.5 | 2.3 | |

Notes:

Project: SEA **Site:** 634

Soil Name: No record

Location: GDA 94 **ZONE 56** 505204 mE 7055135 mN
Location: AGD 84 **ZONE 56** 505098 mE 7054947 mN

Described By: Malcolm, D (Don)

Date: 29-Oct-1997

Landscape:

Geology: No record

Landform Pattern: alluvial plain

Runoff: No record

Microrelief: No record

Drainage: No record

Surface Coarse Fragments: No record

Surface Condition: poached

Substrate Lithology: No record

Element: plain

Permeability: No record

Microrelief Component: No record

Slope: 1 %

Classifications:

ASC: Sulfidic, Redoxic, HYDROSOL

GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| A1 | 0.00 to 0.15 | Brownish black (10YR32) moist; silty clay loam; massive structure; |
| B2 | 0.15 to 0.30 | Brownish grey (10YR51) moist; sandy light clay; massive structure; |
| 2B21 | 0.30 to 1.00 | Sand; |
| 2B22 | 1.00 to 1.50 | Light grey (10YR71) moist; few 2-10% medium 5-15mm distinct orange mottles; sand; massive structure; |
| 3B21 | 1.50 to 2.00 | Greenish grey (7.5GY51) moist; common 10-20% medium 5-15mm distinct orange mottles; clayey sand; massive structure; |
| 3B22 | 2.00 to 2.50 | Greenish grey (7.5GY51) moist; few 2-10% coarse 15-30mm distinct orange mottles; clayey sand; few 2-10% angular shell medium pebbles 6-20mm; massive structure; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.0 | 3.0 | |
| 0.30 | | | | | 6.2 | 5.1 | |
| 1.25 | | | | | 6.7 | 6.3 | |
| 1.50 | | | | | 6.7 | 5.9 | |
| 1.75 | | | | | 6.5 | 5.9 | |
| 2.00 | | | | | 6.9 | 5.9 | |
| 2.25 | | | | | 6.9 | 4.7 | |
| 2.50 | | | | | 7.3 | 4.7 | |

Notes:

Project: SEA **Site:** 635

Soil Name: No record

Location: GDA 94 **ZONE** 56 **505164 mE** **7054881 mN**
Location: AGD 84 **ZONE** 56 **505058 mE** **7054693 mN**

Described By: Malcolm, D (Don)

Date: 30-Oct-1997

Landscape:

Geology: No record

Landform Pattern: alluvial plain

Runoff: No record

Microrelief: No record

Drainage: No record

Surface Coarse Fragments: No record

Surface Condition: poached

Substrate Lithology: No record

Element: plain

Permeability: No record

Microrelief Component: No record

Slope: No record

Classifications:

ASC: Sulfidic, Redoxic, HYDROSOL

GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| A1 | 0.00 to 0.20 | Brownish black (10YR32) moist; fine sandy clay loam; massive structure; |
| 2B21 | 0.20 to 1.00 | Greyish yellow (2.5Y62) moist; common 10-20% medium 5-15mm distinct orange mottles; sand; massive structure; |
| 2B22 | 1.00 to 1.80 | Grey (5Y51) moist; very few <2% medium 5-15mm distinct orange mottles; sand; massive structure; |
| 3C1u | 1.80 to 2.80 | Grey (10Y51) moist; clayey sand; few 2-10% angular shell medium pebbles 6-20mm; massive structure; |
| 3C2u | 2.80 to 3.00 | Grey (10Y51) moist; clayey sand; few 2-10% angular shell medium pebbles 6-20mm; massive structure; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.1 | 2.6 | |
| 0.30 | | | | | 5.8 | 4.0 | |
| 0.60 | | | | | 4.5 | 3.7 | |
| 0.80 | | | | | 4.7 | 3.7 | |
| 1.00 | | | | | 7.0 | 4.6 | |
| 1.25 | | | | | 6.8 | 1.6 | |
| 1.50 | | | | | 7.1 | 1.6 | |
| 1.75 | | | | | 7.5 | 2.4 | |
| 2.00 | | | | | 7.4 | 1.6 | |
| 2.25 | | | | | 6.9 | 1.7 | |
| 2.50 | | | | | 7.1 | 1.5 | |
| 2.75 | | | | | 7.4 | 1.2 | |
| 3.00 | | | | | 7.3 | 1.7 | |

Notes:

Location Site 250m from last Site (634) down track
Site Augered to 2m by hand then pushed 3 inch gouge

Project: SEA

Site: 636

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

505227 mE
505121 mE

7054634 mN
7054446 mN

Described By: Malcolm, D (Don)

Date: 30-Oct-1997

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: firm

Substrate Lithology: No record
Element: plain
Permeability: No record
Microrelief Component: No record
Slope: 1 %

Classifications:

ASC: Sulfidic, Oxyaquic, HYDROSOL

GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| Ap | 0.00 to 0.30 | Brownish black (10YR32) moist; fine sandy clay loam; massive structure; |
| 2B21 | 0.30 to 0.80 | Greyish yellow-brown (10YR62) moist; few 2-10% coarse 15-30mm distinct orange mottles; loamy sand; massive structure; |
| 3C1u | 0.80 to 1.00 | Grey (5Y41) moist; clayey sand; many 20-50% angular shell medium pebbles 6-20mm; massive structure; |
| 3C2u | 1.00 to 2.80 | Grey (10Y51) moist; clayey sand; few 2-10% angular shell medium pebbles 6-20mm; massive structure; |
| 4C3u | 2.80 to 3.00 | Grey (10Y51) moist; silty light clay; few 2-10% angular shell medium pebbles 6-20mm; massive structure; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 6.2 | 4.6 | |
| 0.30 | | | | | 6.7 | 4.8 | |
| 0.60 | | | | | 7.8 | 2.8 | |
| 0.80 | | | | | 8.5 | 1.9 | |
| 1.00 | | | | | 7.9 | 0.9 | |
| 1.25 | | | | | 8.1 | 1.2 | |
| 1.50 | | | | | 7.8 | 1.3 | |
| 1.75 | | | | | 7.9 | 1.8 | |
| 2.00 | | | | | 8.2 | 0.9 | |
| 2.25 | | | | | 7.7 | 1.7 | |
| 2.50 | | | | | 7.7 | 1.7 | |
| 2.75 | | | | | 7.6 | 1.6 | |
| 3.00 | | | | | 7.8 | 1.8 | |

Notes:

Project: SEA **Site:** 637

Soil Name: No record

Location: GDA 94 **ZONE** 56 505585 mE 7055680 mN
Location: AGD 84 **ZONE** 56 505479 mE 7055492 mN

Described By: Malcolm, D (Don)

Date: 30-Oct-1997

Landscape:

Geology: No record

Landform Pattern: alluvial plain

Runoff: No record

Microrelief: No record

Drainage: No record

Surface Coarse Fragments: No record

Surface Condition: poached

Substrate Lithology: No record

Element: plain

Permeability: No record

Microrelief Component: No record

Slope: 0.5 %

Classifications:

ASC: Sulfidic, Redoxic, HYDROSOL

GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| Ap | 0.00 to 0.30 | Black (10YR21) moist; fine sandy light clay; weak 2-5mm granular structure; |
| B2 | 0.30 to 0.50 | Greyish yellow-brown (10YR52) moist; common 10-20% medium 5-15mm distinct orange mottles; sandy light medium clay; massive structure; |
| 2B21i | 0.50 to 0.80 | Yellowish grey (2.5Y51) moist; common 10-20% medium 5-15mm distinct orange mottles; sandy light clay; massive structure; |
| 2B22i | 0.80 to 1.30 | Grey (5Y51) moist; very few <2% medium 5-15mm distinct orange mottles; fine sandy light clay; massive structure; |
| 3C1u | 1.30 to 2.50 | Grey (7.5Y41) moist; silty light clay; very few <2% angular shell medium pebbles 6-20mm; massive structure; |
| 4C2u | 2.50 to 3.00 | Grey (5Y41) moist; sandy light clay; few 2-10% angular shell medium pebbles 6-20mm; massive structure; |
| 5D1 | 3.00 to 3.25 | Yellowish brown (10YR58) moist; coarse sandy light medium clay; massive structure; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 6.4 | 4.4 | |
| 0.30 | | | | | 6.2 | 5.0 | |
| 0.60 | | | | | 6.1 | 5.2 | |
| 0.80 | | | | | 6.3 | 5.7 | |
| 1.00 | | | | | 6.2 | 5.0 | |
| 1.25 | | | | | 6.3 | 1.9 | |
| 1.50 | | | | | 6.3 | 1.6 | |
| 1.75 | | | | | 6.4 | 1.7 | |
| 2.00 | | | | | 6.9 | 1.4 | |
| 2.25 | | | | | 6.5 | 1.3 | |
| 2.50 | | | | | 6.4 | 1.9 | |
| 2.75 | | | | | 6.5 | 1.9 | |
| 3.00 | | | | | 6.3 | 4.0 | |
| 3.25 | | | | | 6.4 | 5.2 | |

Notes:

Project: SEA **Site:** 638

Soil Name: No record

Location: GDA 94 ZONE 56 506575 mE 7055947 mN
Location: AGD 84 ZONE 56 506469 mE 7055759 mN

Described By: Malcolm, D (Don)

Date: 31-Oct-1997

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: poached

Substrate Lithology: No record
Element: plain
Permeability: No record
Microrelief Component: No record
Slope: 1 %

Classifications:

ASC: Redoxic, HYDROSOL
GSG: No record
PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| Ap | 0.00 to 0.30 | Brownish black (10YR31) moist; fine sandy clay loam; massive structure; |
| A21 | 0.30 to 1.20 | Greyish yellow-brown (10YR62) moist; very few <2% medium 5-15mm distinct orange mottles; sand; massive structure; |
| A22 | 1.20 to 1.80 | Greyish yellow-brown (10YR62) moist; few 2-10% coarse 15-30mm distinct orange mottles; sand; massive structure; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 5.6 | 3.0 | |
| 0.30 | | | | | 7.4 | 4.3 | |
| 0.60 | | | | | 6.8 | 4.6 | |
| 0.80 | | | | | 6.9 | 3.4 | |
| 1.00 | | | | | 7.0 | 3.9 | |
| 1.25 | | | | | 7.0 | 3.6 | |
| 1.50 | | | | | 6.7 | 2.7 | |
| 1.75 | | | | | 6.6 | 4.6 | |

Notes:

Project: SEA **Site:** 639

Soil Name: No record

Location: GDA 94 ZONE 56 505527 mE 7056160 mN
Location: AGD 84 ZONE 56 505421 mE 7055972 mN

Described By: Malcolm, D (Don)

Date: 31-Oct-1997

Landscape:

Geology: No record

Substrate Lithology: No record

Landform Pattern: alluvial plain

Element: plain

Runoff: No record

Permeability: No record

Microrelief: No record

Microrelief Component: No record

Drainage: No record

Slope: 1 %

Surface Coarse Fragments: No record

Surface Condition: poached

Classifications:

ASC: Sulfidic, Oxyaquic, HYDROSOL

GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| A1 | 0.00 to 0.30 | Black (10YR21) moist; silty clay loam; moderate 2-5mm granular structure; |
| B2 | 0.30 to 0.50 | Greyish yellow-brown (10YR62) moist; common 10-20% medium 5-15mm distinct orange mottles; sandy light clay; massive structure; |
| 2B21 | 0.50 to 0.80 | Yellowish grey (2.5Y41) moist; few 2-10% medium 5-15mm distinct orange mottles; sandy light clay; massive structure; |
| 2C1u | 0.80 to 1.75 | Grey (5Y41) moist; fine sandy light clay; massive structure; |
| 2C2u | 1.75 to 2.25 | Grey (5Y41) moist; silty light clay; few 2-10% angular shell medium pebbles 6-20mm; massive structure; |
| 3C1u | 2.25 to 3.30 | Grey (5Y41) moist; sandy light clay; few 2-10% angular shell medium pebbles 6-20mm; massive structure; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 5.7 | 3.5 | |
| 0.30 | | | | | 6.3 | 4.7 | |
| 0.60 | | | | | 7.0 | 4.9 | |
| 0.80 | | | | | 6.9 | 1.5 | |
| 1.00 | | | | | 6.1 | 1.7 | |
| 1.25 | | | | | 6.4 | 1.9 | |
| 1.50 | | | | | 6.8 | 1.9 | |
| 1.75 | | | | | 6.3 | 2.0 | |
| 2.00 | | | | | 6.9 | 2.1 | |
| 2.25 | | | | | 7.1 | 2.9 | |
| 2.50 | | | | | 6.7 | 1.5 | |
| 2.75 | | | | | 6.8 | 1.5 | |
| 3.00 | | | | | 6.9 | 0.8 | |
| 3.25 | | | | | 7.3 | 0.9 | |

Notes:

Project: SEA **Site:** 640

Soil Name: No record

Location: GDA 94 ZONE 56 505507 mE 7055506 mN
Location: AGD 84 ZONE 56 505401 mE 7055318 mN

Described By: Malcolm, D (Don)

Date: 31-Oct-1997

Landscape:

Geology: No record

Landform Pattern: alluvial plain

Runoff: No record

Microrelief: No record

Drainage: No record

Surface Coarse Fragments: No record

Surface Condition: firm

Substrate Lithology: No record

Element: plain

Permeability: No record

Microrelief Component: No record

Slope: 1 %

Classifications:

ASC: Sulfidic, Redoxic, HYDROSOL

GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| A1 | 0.00 to 0.20 | Brownish black (10YR31) moist; silty clay loam; weak 2-5mm granular structure; |
| B21 | 0.20 to 0.50 | Greyish yellow-brown (10YR62) moist; common 10-20% coarse 15-30mm distinct orange mottles; fine sandy light clay; massive structure; |
| 2B21 | 0.50 to 1.00 | Yellowish grey (2.5Y41) moist; very few <2% medium 5-15mm distinct orange mottles; clayey sand; massive structure; |
| 3B2 | 1.00 to 1.30 | Yellowish grey (2.5Y41) moist; few 2-10% medium 5-15mm distinct orange mottles; sandy light clay; very few <2% angular shell medium pebbles 6-20mm; massive structure; |
| 3C1u | 1.30 to 3.30 | Grey (5Y41) moist; sandy light clay; few 2-10% angular shell medium pebbles 6-20mm; massive structure; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 5.6 | 3.9 | |
| 0.30 | | | | | 6.8 | 5.2 | |
| 0.60 | | | | | 6.6 | 1.4 | |
| 0.80 | | | | | 6.5 | 3.3 | |
| 1.00 | | | | | 6.4 | 3.4 | |
| 1.25 | | | | | 6.9 | 3.6 | |
| 1.50 | | | | | 6.5 | 1.4 | |
| 1.75 | | | | | 6.6 | 1.4 | |
| 2.00 | | | | | 6.5 | 1.1 | |
| 2.25 | | | | | 6.6 | 1.2 | |
| 2.50 | | | | | 6.5 | 3.5 | |
| 2.75 | | | | | 6.4 | 3.3 | |
| 3.00 | | | | | 6.5 | 1.9 | |
| 3.25 | | | | | 6.6 | 2.3 | |

Notes:

Project: SEA **Site:** 641

Soil Name: No record

Location: GDA 94 ZONE 56 505994 mE 7055912 mN
Location: AGD 84 ZONE 56 505888 mE 7055724 mN

Described By: Malcolm, D (Don)

Date: 04-Nov-1997

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: poached

Substrate Lithology: No record
Element: plain
Permeability: No record
Microrelief Component: No record
Slope: 1 %

Classifications:

ASC: Sulfidic, Redoxic, HYDROSOL

GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| Ap | 0.00 to 0.30 | Black (10YR21) moist; sandy clay loam; weak 2-5mm granular structure; |
| 2B2 | 0.30 to 0.80 | Greyish yellow-brown (10YR62) moist; common 10-20% coarse 15-30mm distinct orange mottles; sandy loam; massive structure; |
| 2C1u | 0.80 to 1.50 | Grey (5Y41) moist; sandy loam; massive structure; |
| 3C1u | 1.50 to 1.80 | Grey (5Y41) moist; clayey sand; common 10-20% angular shell medium pebbles 6-20mm; massive structure; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 6.0 | 4.8 | |
| 0.30 | | | | | 7.8 | 5.9 | |
| 0.60 | | | | | 7.6 | 5.6 | |
| 0.80 | | | | | 7.0 | 5.6 | |
| 1.00 | | | | | 7.1 | 4.1 | |
| 1.25 | | | | | 6.9 | 2.2 | |
| 1.50 | | | | | 6.9 | 2.0 | |
| 1.75 | | | | | 7.1 | 1.8 | |

Notes:

Location Adjacent to drain
Site Iron floc in drain

Project: SEA

Site: 642

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

506856 mE
506750 mE

7055822 mN
7055634 mN

Described By: Malcolm, D (Don)

Date: 04-Nov-1997

Landscape:

Geology: No record
Landform Pattern: No record
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: poached

Substrate Lithology: No record
Element: plain
Permeability: No record
Microrelief Component: No record
Slope: 1 %

Classifications:

ASC: Sulfidic, Redoxic, HYDROSOL
GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| A11 | 0.00 to 0.20 | Black (10YR21) moist; very few <2% medium 5-15mm distinct orange mottles; fine sandy loam; massive structure; |
| B21 | 0.20 to 0.40 | Greyish yellow-brown (10YR52) moist; few 2-10% medium 5-15mm distinct orange mottles; fine sandy clay loam; massive structure; |
| 2B21 | 0.40 to 0.80 | Yellowish grey (2.5Y61) moist; very few <2% medium 5-15mm distinct orange mottles; loamy sand; massive structure; |
| 2B22 | 0.80 to 1.00 | Yellowish grey (2.5Y51) moist; many 20-50% coarse 15-30mm distinct orange mottles; loamy sand; massive structure; |
| 3C1u | 1.00 to 2.00 | Grey (5Y41) moist; clayey sand; common 10-20% angular shell medium pebbles 6-20mm; massive structure; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 5.0 | 3.7 | |
| 0.30 | | | | | 4.9 | 3.7 | |
| 0.60 | | | | | 7.5 | 4.8 | |
| 0.80 | | | | | 7.7 | 5.7 | |
| 1.00 | | | | | 6.8 | 1.3 | |
| 1.25 | | | | | 6.9 | 1.9 | |
| 1.50 | | | | | 6.8 | 1.7 | |
| 1.75 | | | | | 6.7 | 1.3 | |
| 2.00 | | | | | 6.8 | 1.4 | |

Notes:

Observation Humus podzol over estuarine material

Project: SEA

Site: 643

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

507282 mE
507176 mE

7055482 mN
7055294 mN

Described By: Malcolm, D (Don)

Date: 04-Nov-1997

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: firm

Substrate Lithology: No record
Element: plain
Permeability: No record
Microrelief Component: No record
Slope: 1 %

Classifications:

ASC: Sulfidic, Redoxic, HYDROSOL
GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| A11 | 0.00 to 0.20 | Brownish black (10YR31) moist; very few <2% fine <5mm distinct orange mottles; sandy clay loam; weak 2-5mm granular structure; |
| B21 | 0.20 to 0.40 | Brownish black (10YR31) moist; common 10-20% medium 5-15mm distinct orange mottles; sandy light clay; weak 2-5mm granular structure; |
| 2B21 | 0.40 to 0.80 | Light grey (10YR71) moist; common 10-20% medium 5-15mm distinct orange mottles; sand; massive structure; |
| 3B21i | 0.80 to 1.25 | Dark greyish yellow (2.5Y52) moist; few 2-10% medium 5-15mm distinct orange mottles; clayey sand; massive structure; |
| 3C1u | 1.25 to 2.00 | Yellowish grey (2.5Y51) moist; clayey sand; massive structure; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.7 | 3.2 | |
| 0.30 | | | | | 4.5 | 3.4 | |
| 0.60 | | | | | 4.1 | 3.2 | |
| 0.80 | | | | | 4.1 | 3.2 | |
| 1.00 | | | | | 4.0 | 2.5 | |
| 1.25 | | | | | 5.0 | 1.4 | |
| 1.50 | | | | | 4.8 | 1.2 | |
| 1.75 | | | | | 4.8 | 1.2 | |
| 2.00 | | | | | 4.9 | 1.5 | |

Notes:

Project: SEA **Site:** 644

Soil Name: No record

Location: GDA 94 **ZONE** 56 **507274 mE** **7055080 mN**
Location: AGD 84 **ZONE** 56 **507168 mE** **7054892 mN**

Described By: Malcolm, D (Don)

Date: 04-Nov-1997

Landscape:

Geology: No record

Landform Pattern: alluvial plain

Runoff: No record

Microrelief: No record

Drainage: No record

Surface Coarse Fragments: No record

Surface Condition: poached

Substrate Lithology: No record

Element: plain

Permeability: No record

Microrelief Component: No record

Slope: 1 %

Classifications:

ASC: Sulfidic, Oxyaquic, HYDROSOL

GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| Ap | 0.00 to 0.40 | Black (10YR21) moist; fine sandy clay loam; weak 2-5mm granular structure; |
| B21 | 0.40 to 0.80 | Black (10YR21) moist; fine sandy light clay; massive structure; |
| 2B2 | 0.80 to 1.20 | Brownish grey (10YR61) moist; few 2-10% medium 5-15mm faint orange mottles; sandy clay loam; massive structure; |
| 3B2i | 1.20 to 1.40 | Yellowish grey (2.5Y51) moist; common 10-20% coarse 15-30mm distinct orange mottles; clayey sand; massive structure; |
| 3C1u | 1.40 to 1.60 | Grey (5Y41) moist; clayey sand; few 2-10% angular shell medium pebbles 6-20mm; massive structure; |
| 3C2u | 1.60 to 1.90 | Grey (5Y41) moist; clayey sand; abundant 50-90% angular shell medium pebbles 6-20mm; massive structure; |
| 3C3u | 1.90 to 2.75 | Grey (5Y41) moist; clayey sand; very few <2% angular shell medium pebbles 6-20mm; massive structure; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.6 | 3.9 | |
| 0.30 | | | | | 5.5 | 3.9 | |
| 0.60 | | | | | 6.4 | 4.3 | |
| 0.80 | | | | | 6.7 | 2.8 | |
| 1.00 | | | | | 7.0 | 3.0 | |
| 1.25 | | | | | 7.2 | 1.7 | |
| 1.50 | | | | | 6.9 | 5.3 | |
| 1.75 | | | | | 7.0 | 2.4 | |
| 2.00 | | | | | 7.2 | 2.2 | |
| 2.25 | | | | | 7.3 | 2.3 | |
| 2.50 | | | | | 7.0 | 2.0 | |
| 2.75 | | | | | 7.0 | 1.9 | |

Notes:

Project: SEA **Site:** 645

Soil Name: No record

Location: GDA 94 ZONE 56 508153 mE 7051638 mN
Location: AGD 84 ZONE 56 508047 mE 7051450 mN

Described By: Malcolm, D (Don)

Date: 11-Nov-1997

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: firm

Substrate Lithology: No record
Element: plain
Permeability: No record
Microrelief Component: No record
Slope: 1 %

Classifications:

ASC: Sulfidic, Oxyaquic, HYDROSOL

GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| A1 | 0.00 to 0.40 | Black (10YR21) moist; clay loam; moderate 2-5mm granular structure; |
| 2C1u | 0.40 to 1.60 | Yellowish grey (2.5Y41) moist; clayey coarse sand; massive structure; |
| 3C2u | 1.60 to 2.50 | Light grey (2.5Y71) moist; coarse sandy light clay; massive structure; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 5.7 | 3.0 | |
| 0.30 | | | | | 5.3 | 3.5 | |
| 0.60 | | | | | 4.8 | 3.6 | |
| 0.80 | | | | | 4.9 | 3.6 | |
| 1.00 | | | | | 5.0 | 2.7 | |
| 1.25 | | | | | 4.4 | 2.6 | |
| 1.50 | | | | | 4.5 | 2.6 | |
| 1.75 | | | | | 4.2 | 1.9 | |
| 2.00 | | | | | 4.8 | 2.0 | |
| 2.25 | | | | | 5.3 | 2.3 | |
| 2.50 | | | | | 5.3 | 2.2 | |

Notes:

Site Very hard stiff clay containing sand
Vegetation Small remnant patch of Melaleuca forest in park

Project: SEA

Site: 646

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

507197 mE
507091 mE

7053976 mN
7053788 mN

Described By: Malcolm, D (Don)

Date: 11-Nov-1997

Landscape:

Geology: No record
Landform Pattern: beach ridge plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: firm

Substrate Lithology: No record
Element: plain
Permeability: No record
Microrelief Component: No record
Slope: 1 %

Classifications:

ASC: Redoxic, HYDROSOL
GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| A1 | 0.00 to 0.20 | Black (10YR21) moist; fine sandy clay loam; weak 2-5mm granular structure; |
| A21 | 0.20 to 0.40 | Greyish yellow-brown (10YR42) moist; common 10-20% medium 5-15mm distinct orange mottles; loamy sand; massive structure; |
| A22e | 0.40 to 1.25 | Light grey (10YR71) moist; common 10-20% coarse 15-30mm distinct orange mottles; sand; massive structure; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.6 | 3.3 | |
| 0.30 | | | | | 5.1 | 3.8 | |
| 0.60 | | | | | 5.5 | 4.8 | |
| 0.80 | | | | | 5.5 | 4.6 | |
| 1.00 | | | | | 5.3 | 4.0 | |
| 1.25 | | | | | 4.8 | 4.1 | |

Notes:

Project: SEA **Site:** 647

Soil Name: No record

Location: GDA 94 ZONE 56 507472 mE 7053679 mN
Location: AGD 84 ZONE 56 507366 mE 7053491 mN

Described By: Malcolm, D (Don)

Date: 11-Nov-1997

Landscape:

Geology: No record

Landform Pattern: tidal flat

Runoff: No record

Microrelief: No record

Drainage: No record

Surface Coarse Fragments: No record

Surface Condition: No record

Substrate Lithology: No record

Element: supratidal flat

Permeability: No record

Microrelief Component: No record

Slope: No record

Classifications:

ASC: Sulfidic, Redoxic, HYDROSOL

GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| A1 | 0.00 to 0.20 | Brownish grey (10YR41) moist; sandy clay loam; massive structure; |
| A2 | 0.20 to 0.40 | Brownish grey (10YR61) moist; loamy sand; massive structure; |
| 2B2 | 0.40 to 0.80 | Yellowish grey (2.5Y41) moist; very few <2% medium 5-15mm distinct orange mottles; sandy light clay; massive structure; |
| 3B21 | 0.80 to 1.30 | Yellowish grey (2.5Y41) moist; few 2-10% medium 5-15mm distinct orange mottles; clayey sand; massive structure; |
| 3B22 | 1.30 to 2.00 | Grey (5Y41) moist; common 10-20% coarse 15-30mm distinct orange mottles; loamy sand; massive structure; |
| 4C1 | 2.00 to 2.50 | Light grey (2.5Y71) moist; sandy light clay; massive structure; |
| 5D1 | 2.50 to 2.75 | Light grey (2.5Y71) moist; many 20-50% coarse 15-30mm distinct brown mottles; loamy sand; massive structure; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 5.7 | 5.4 | |
| 0.30 | | | | | 6.2 | 5.0 | |
| 0.60 | | | | | 6.0 | 3.7 | |
| 0.80 | | | | | 5.9 | 1.6 | |
| 1.00 | | | | | 6.2 | 1.6 | |
| 1.25 | | | | | 6.2 | 1.5 | |
| 1.50 | | | | | 5.8 | 2.0 | |
| 1.75 | | | | | 5.8 | 2.1 | |
| 2.00 | | | | | 5.5 | 2.6 | |
| 2.25 | | | | | 6.0 | 1.7 | |
| 2.50 | | | | | 5.3 | 1.4 | |
| 2.75 | | | | | 5.4 | 1.3 | |

Notes:

Site: Supratidal Flat
Vegetation: Mangroves and salt couch

Project: SEA **Site:** 648

Soil Name: No record

Location: GDA 94 **ZONE** 56 **507228 mE** **7060326 mN**
Location: AGD 84 **ZONE** 56 **507122 mE** **7060138 mN**

Described By: Malcolm, D (Don)

Date: 11-Nov-1997

Landscape:

Geology: No record

Substrate Lithology: No record

Landform Pattern: plain

Element: plain

Runoff: No record

Permeability: No record

Microrelief: No record

Microrelief Component: No record

Drainage: No record

Slope: 0.5 %

Surface Coarse Fragments: No record

Surface Condition: soft

Classifications:

ASC: Humic, Aquic, PODOSOL

GSG: No record

PPF: No record

Vegetation:

Tallest Stratum: Low open forest (3.01-6m)

Species: Melaleuca quinquenervia (swamp paperbark, paper-barked tea-tree, broad-leaved tea-tree)

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| A1 | 0.00 to 0.40 | Black (10YR21) moist; sandy loam; massive structure; |
| A2 | 0.40 to 1.00 | Brownish grey (10YR41) moist; loamy sand; massive structure; |
| Bhs | 1.00 to 1.50 | Black (10YR21) moist; loamy sand; massive structure; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 5.3 | 3.6 | |
| 0.30 | | | | | 4.9 | 3.5 | |
| 0.60 | | | | | 5.3 | 2.9 | |
| 0.80 | | | | | 5.4 | 2.9 | |
| 1.00 | | | | | 5.3 | 1.4 | |
| 1.25 | | | | | 5.1 | 2.3 | |
| 1.50 | | | | | 5.2 | 3.2 | |

Notes:

Project: SEA **Site:** 649

Soil Name: No record

Location: GDA 94 ZONE 56 508457 mE 7060661 mN
Location: AGD 84 ZONE 56 508351 mE 7060473 mN

Described By: Malcolm, D (Don)

Date: 12-Nov-1997

Landscape:

Geology: No record

Landform Pattern: beach ridge plain

Runoff: No record

Microrelief: No record

Drainage: No record

Surface Coarse Fragments: No record

Surface Condition: firm

Substrate Lithology: No record

Element: plain

Permeability: No record

Microrelief Component: No record

Slope: 1 %

Classifications:

ASC: Humic, Aquic, PODOSOL

GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| A1 | 0.00 to 0.40 | Black (10YR21) moist; sandy loam; massive structure; |
| A21 | 0.40 to 0.70 | Brownish grey (7.5YR41) moist; loamy sand; massive structure; |
| A22e | 0.70 to 1.50 | Brownish grey (7.5YR41) moist; sand; massive structure; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 3.7 | 2.5 | |
| 0.30 | | | | | 3.9 | 2.4 | |
| 0.60 | | | | | 3.6 | 3.0 | |
| 0.80 | | | | | 3.6 | 2.7 | |
| 1.00 | | | | | 3.6 | 2.8 | |
| 1.25 | | | | | 3.6 | 2.5 | |
| 1.50 | | | | | 3.9 | 2.3 | |

Notes:

Vegetation Melaleuca and Bloodwood verging into Heath with Banksia

Project: SEA

Site: 650

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

507838 mE
507732 mE

7060192 mN
7060004 mN

Described By: Malcolm, D (Don)

Date: 12-Nov-1997

Landscape:

Geology: No record

Landform Pattern: beach ridge plain

Runoff: No record

Microrelief: No record

Drainage: No record

Surface Coarse Fragments: No record

Surface Condition: firm

Substrate Lithology: No record

Element: plain

Permeability: No record

Microrelief Component: No record

Slope: 1 %

Classifications:

ASC: Sulfidic, Redoxic, HYDROSOL

GSG: No record

PPF: No record

Vegetation:

Tallest Stratum: Tree, 6.01-12m, mid-dense

Species: Melaleuca quinquenervia (swamp paperbark, paper-barked tea-tree, broad-leaved tea-tree)

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| A11 | 0.00 to 0.20 | Black (10YR21) moist; fine sandy clay loam; moderate 2-5mm granular structure; |
| A12 | 0.20 to 0.40 | Brownish grey (10YR41) moist; sandy loam; massive structure; |
| 2B21 | 0.40 to 0.70 | Greyish yellow-brown (10YR62) moist; common 10-20% medium 5-15mm distinct orange mottles; loamy sand; massive structure; |
| 2B22 | 0.70 to 1.10 | Greyish yellow-brown (10YR62) moist; very few <2% medium 5-15mm distinct orange mottles; loamy sand; massive structure; |
| 3C1u | 1.10 to 2.00 | Yellowish grey (2.5Y41) moist; clayey sand; massive structure; |
| 4B2h | 2.00 to 2.50 | Black (10YR21) moist; sand; massive structure; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 5.1 | 2.2 | |
| 0.30 | | | | | 3.7 | 3.0 | |
| 0.60 | | | | | 3.6 | 2.6 | |
| 0.80 | | | | | 3.8 | 2.2 | |
| 1.00 | | | | | 4.5 | 2.0 | |
| 1.25 | | | | | 4.7 | 2.4 | |
| 1.50 | | | | | 4.7 | 1.8 | |
| 1.75 | | | | | 4.9 | 1.6 | |
| 2.00 | | | | | 4.4 | 1.5 | |

Notes:

Project: SEA

Site: 657

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

508760 mE
508654 mE

7054612 mN
7054424 mN

Described By: Malcolm, D (Don)

Date: 26-Nov-1997

Landscape:

Geology: No record
Landform Pattern: beach ridge plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: firm

Substrate Lithology: No record
Element: plain
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: Oxyaquic, HYDROSOL
GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| A11 | 0.00 to 0.30 | Dull yellowish brown (10YR53) moist; loamy sand; single grain structure; |
| A12 | 0.30 to 0.45 | Dull yellowish orange (10YR72) moist; sand; single grain structure; |
| A21e | 0.45 to 1.20 | Light grey (10YR81) moist; sand; single grain structure; |
| A22 | 1.20 to 4.80 | Light grey (7.5Y71) moist; sand; single grain structure; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.9 | 3.2 | |
| 0.30 | | | | | 4.8 | 4.0 | |
| 0.60 | | | | | 5.3 | 5.0 | |
| 0.80 | | | | | 5.6 | 5.0 | |
| 1.00 | | | | | 5.5 | 5.1 | |
| 1.25 | | | | | 5.3 | 4.7 | |
| 1.50 | | | | | 5.4 | 2.1 | |
| 1.75 | | | | | 5.4 | 1.8 | |
| 2.00 | | | | | 5.3 | 1.9 | |
| 2.25 | | | | | 5.1 | 1.9 | |
| 2.50 | | | | | 5.2 | 2.0 | |
| 2.75 | | | | | 5.2 | 2.1 | |
| 3.00 | | | | | 5.4 | 1.8 | |
| 3.25 | | | | | 5.7 | 1.8 | |
| 3.50 | | | | | 5.3 | 2.0 | |
| 3.75 | | | | | 5.3 | 2.2 | |
| 4.00 | | | | | 5.3 | 1.9 | |
| 4.25 | | | | | 5.3 | 2.0 | |
| 4.50 | | | | | 5.1 | 2.1 | |
| 4.75 | | | | | 5.2 | 2.0 | |

Notes:

Project: SEA

Site: 664

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

511701 mE
511595 mE

7043117 mN
7042929 mN

Described By: Malcolm, D (Don)

Date: 05-Dec-1997

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: firm

Substrate Lithology: No record
Element: plain
Permeability: No record
Microrelief Component: No record
Slope: 0.5 %

Classifications:

ASC: Redoxic, HYDROSOL
GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| A11 | 0.00 to 0.20 | Black (10YR21) moist; sandy loam; massive structure; |
| A12 | 0.20 to 0.40 | Brownish black (10YR31) moist; sandy loam; massive structure; |
| B21i | 0.40 to 0.80 | Brownish grey (10YR41) moist; common 10-20% medium 5-15mm distinct orange mottles; sandy light clay; massive structure; |
| 2B21i | 0.80 to 1.00 | Brownish grey (10YR61) moist; few 2-10% medium 5-15mm distinct yellow jarositic (from pyrite) mottles; sand; single grain structure; |
| 2C1u | 1.00 to 1.50 | Yellowish grey (2.5Y41) moist; clayey sand; single grain structure; |
| 3C2u | 1.50 to 3.00 | Grey (5Y41) moist; silty light clay; few 2-10% angular shell medium pebbles 6-20mm; massive structure; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.6 | 2.4 | |
| 0.30 | | | | | 4.6 | 2.5 | |
| 0.60 | | | | | 4.3 | 2.3 | |
| 0.80 | | | | | 4.2 | 2.3 | |
| 1.00 | | | | | 4.2 | 2.1 | |
| 1.25 | | | | | 5.7 | 2.3 | |
| 1.50 | | | | | 5.9 | 1.8 | |
| 1.75 | | | | | 6.1 | 2.1 | |
| 2.00 | | | | | 6.2 | 2.4 | |
| 2.25 | | | | | 6.4 | 2.1 | |
| 2.50 | | | | | 6.8 | 2.4 | |
| 2.75 | | | | | 6.8 | 2.1 | |
| 3.00 | | | | | 6.9 | 1.9 | |

Notes:

Project: SEA

Site: 665

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

511272 mE
511166 mE

7040878 mN
7040690 mN

Described By: Malcolm, D (Don)

Date: 05-Dec-1997

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: No record
Element: plain
Permeability: No record
Microrelief Component: No record
Slope: 0.5 %

Classifications:

ASC: Humic, Aquic, PODOSOL

GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| A11 | 0.00 to 0.20 | Brownish black (10YR32) moist; loamy sand; single grain structure; |
| A21 | 0.20 to 0.50 | Greyish yellow-brown (10YR42) moist; few 2-10% medium 5-15mm distinct orange mottles; loamy sand; single grain structure; |
| A22 | 0.50 to 1.00 | Greyish brown (7.5YR52) moist; common 10-20% medium 5-15mm distinct orange mottles; sandy loam; single grain structure; |
| B21h | 1.00 to 1.25 | Black (10YR21) moist; sandy loam; massive structure; moderately cemented continuous massive organic pan; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.9 | 2.9 | |
| 0.30 | | | | | 4.8 | 3.0 | |
| 0.60 | | | | | 4.7 | 3.5 | |
| 0.80 | | | | | 4.5 | 3.4 | |
| 1.00 | | | | | 4.6 | 3.4 | |
| 1.25 | | | | | 4.7 | 3.9 | |

Notes:

Project: SEA

Site: 666

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

511908 mE
511802 mE

7041876 mN
7041688 mN

Described By: Malcolm, D (Don)

Date: 05-Dec-1997

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: firm

Substrate Lithology: No record
Element: plain
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: Sulfidic, Oxyaquic, HYDROSOL

GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| A1 | 0.00 to 0.40 | Black (10YR21) moist; sandy clay loam; massive structure; |
| B21 | 0.40 to 0.70 | Brownish grey (10YR41) moist; sandy light clay; massive structure; |
| 2C1 | 0.70 to 1.30 | Brownish grey (10YR61) moist; sand; single grain structure; |
| 3C2 | 1.30 to 1.60 | Yellowish grey (2.5Y51) moist; sandy light clay; massive structure; |
| 4C3 | 1.60 to 2.00 | Yellowish grey (2.5Y41) moist; silty light clay; massive structure; |
| 4C4 | 2.00 to 2.25 | Grey (5Y41) moist; silty light clay; massive structure; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 5.8 | 3.9 | |
| 0.30 | | | | | 5.8 | 3.1 | |
| 0.60 | | | | | 4.6 | 3.0 | |
| 0.80 | | | | | 4.6 | 2.8 | |
| 1.00 | | | | | 4.6 | 2.9 | |
| 1.25 | | | | | 4.3 | 2.6 | |
| 1.50 | | | | | 4.7 | 2.1 | |
| 1.75 | | | | | 4.8 | 1.8 | |
| 2.00 | | | | | 4.8 | 2.4 | |
| 2.25 | | | | | 4.6 | 2.0 | |

Notes:

Location Edge of clearing adjacent to Tall Melaleuca Quinquenervia forest

Project: SEA **Site:** 667

Soil Name: No record

Location: GDA 94 ZONE 56 511247 mE 7042360 mN
Location: AGD 84 ZONE 56 511141 mE 7042172 mN

Described By: Malcolm, D (Don)

Date: 05-Dec-1997

Landscape:

Geology: No record

Landform Pattern: alluvial plain

Runoff: No record

Microrelief: No record

Drainage: No record

Surface Coarse Fragments: No record

Surface Condition: firm

Substrate Lithology: No record

Element: plain

Permeability: No record

Microrelief Component: No record

Slope: 1 %

Classifications:

ASC: Sulfidic, Redoxic, HYDROSOL

GSG: No record

PPF: No record

Vegetation:

Tallest Stratum: Very tall open forest (20.01-35m)

Species:

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| A1 | 0.00 to 0.60 | Black (10YR21) moist; clay loam; moderate 2-5mm granular structure; |
| B21 | 0.60 to 1.60 | Greyish yellow-brown (10YR42) moist; few 2-10% medium 5-15mm distinct orange mottles; sandy light clay; massive structure; |
| 2C1u | 1.60 to 2.75 | Yellowish grey (2.5Y41) moist; clayey sand; massive structure; |
| 3C2u | 2.75 to 3.00 | Grey (5Y41) moist; silty light clay; massive structure; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 5.4 | 3.7 | |
| 0.30 | | | | | 4.8 | 3.2 | |
| 0.60 | | | | | 4.4 | 2.9 | |
| 0.80 | | | | | 4.2 | 3.0 | |
| 1.00 | | | | | 4.2 | 2.9 | |
| 1.25 | | | | | 3.9 | 2.8 | |
| 1.50 | | | | | 5.1 | 2.6 | |
| 1.75 | | | | | 4.9 | 2.5 | |
| 2.00 | | | | | 5.0 | 2.0 | |
| 2.25 | | | | | 4.6 | 1.9 | |
| 2.50 | | | | | 4.7 | 1.9 | |
| 2.75 | | | | | 5.3 | 1.9 | |
| 3.00 | | | | | 5.7 | 1.7 | |

Notes:

Project: SEA

Site: 669

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

512120 mE
512014 mE

7042196 mN
7042008 mN

Described By: Malcolm, D (Don)

Date: 18-Dec-1997

Landscape:

Geology: No record
Landform Pattern: beach ridge plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: firm

Substrate Lithology: No record
Element: beach ridge
Permeability: No record
Microrelief Component: No record
Slope: 0.5 %

Classifications:

ASC: Sulfidic, Redoxic, HYDROSOL
GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| A1 | 0.00 to 0.30 | Fine sandy clay loam; massive structure; |
| B2 | 0.30 to 0.40 | Common 10-20% medium 5-15mm distinct orange mottles; fine sandy light clay; massive structure; |
| 2A1 | 0.40 to 0.50 | Dull yellowish brown (10YR43) moist; few 2-10% medium 5-15mm distinct yellow mottles; loamy sand; massive structure; |
| 2A2 | 0.50 to 0.60 | Light grey (2.5Y81) moist; few 2-10% coarse 15-30mm distinct yellow mottles; sand; single grain structure; |
| 2B21 | 0.60 to 1.40 | Yellowish grey (2.5Y61) moist; common 10-20% coarse 15-30mm distinct orange mottles; sand; single grain structure; |
| 2C1 | 1.40 to 1.70 | Light grey (2.5Y71) moist; sand; single grain structure; |
| 3C2 | 1.70 to 2.30 | Grey (7.5Y51) moist; sand; single grain structure; |
| 4C3 | 2.30 to 4.10 | Light grey (7.5Y71) moist; sand; single grain structure; |
| 5C4 | 4.10 to 4.70 | Grey (7.5Y41) moist; fine sandy light clay; few 2-10% angular shell medium pebbles 6-20mm; massive structure; |
| 6C5 | 4.70 to 5.00 | Grey (7.5Y41) moist; silty light clay; few 2-10% angular shell medium pebbles 6-20mm; massive structure; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 5.8 | 2.8 | |
| 0.30 | | | | | 5.1 | 2.6 | |
| 0.60 | | | | | 5.0 | 2.1 | |
| 0.80 | | | | | 4.9 | 2.2 | |
| 1.00 | | | | | 4.7 | 2.8 | |
| 1.25 | | | | | 5.2 | 2.2 | |
| 1.50 | | | | | 5.8 | 2.2 | |
| 1.75 | | | | | 6.1 | 1.5 | |
| 2.00 | | | | | 6.2 | 1.9 | |
| 2.25 | | | | | 6.2 | 1.8 | |
| 2.50 | | | | | 6.3 | 2.1 | |
| 2.75 | | | | | 6.2 | 2.2 | |
| 3.00 | | | | | 6.3 | 2.2 | |
| 3.25 | | | | | 6.1 | 2.1 | |
| 3.50 | | | | | 6.2 | 2.3 | |
| 3.75 | | | | | 6.3 | 2.2 | |
| 4.00 | | | | | 6.6 | 2.3 | |
| 4.25 | | | | | 6.9 | 1.7 | |
| 4.50 | | | | | 7.2 | 1.6 | |
| 4.75 | | | | | 7.3 | 1.7 | |
| 5.00 | | | | | 7.5 | 1.8 | |

Notes:

Project: SEA **Site:** 670

Soil Name: No record

Location: GDA 94 **ZONE** 56 **511795 mE** **7043876 mN**
Location: AGD 84 **ZONE** 56 **511689 mE** **7043688 mN**

Described By: Malcolm, D (Don)

Date: 29-Jan-1998

Landscape:

Geology: No record

Substrate Lithology: Alluvium

Landform Pattern: alluvial plain

Element: plain

Runoff: No record

Permeability: No record

Microrelief: No record

Microrelief Component: No record

Drainage: No record

Slope: 1 %

Surface Coarse Fragments: No record

Surface Condition: firm

Classifications:

ASC: Humic, Aquic, PODOSOL

GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| A1 | 0.00 to 0.20 | Brownish black (10YR31) moist; fine sandy clay loam; massive structure; |
| B2 | 0.20 to 0.30 | Greyish yellow-brown (10YR52) moist; few 2-10% medium 5-15mm distinct orange mottles; sandy light clay; massive structure; |
| 2A | 0.30 to 0.50 | Brownish grey (7.5YR41) moist; very few <2% medium 5-15mm distinct orange mottles; loamy sand; massive structure; |
| 2B21h | 0.50 to 0.80 | Brownish black (7.5YR31) moist; loamy fine sand; massive structure; weakly cemented continuous massive organic pan; |
| 2B2hs | 0.80 to 2.20 | Dull yellowish brown (10YR54) moist; sand; single grain structure; |
| 3C1u | 2.20 to 2.50 | Grey (5Y41) moist; medium heavy clay; massive structure; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.9 | 2.9 | |
| 0.30 | | | | | 4.6 | 2.3 | |
| 0.60 | | | | | 4.5 | 2.3 | |
| 0.80 | | | | | 4.4 | 2.6 | |
| 1.00 | | | | | 4.5 | 2.0 | |
| 1.25 | | | | | 4.9 | 2.7 | |
| 1.50 | | | | | 5.0 | 2.7 | |
| 1.75 | | | | | 4.7 | 2.4 | |
| 2.00 | | | | | 4.7 | 2.3 | |
| 2.25 | | | | | 5.2 | 1.5 | |
| 2.50 | | | | | 5.3 | 1.8 | |

Notes:

Project: SEA

Site: 672

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

511870 mE
511764 mE

7044103 mN
7043915 mN

Described By: Malcolm, D (Don)

Date: 29-Jan-1998

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: soft

Substrate Lithology: No record
Element: terrace plain
Permeability: No record
Microrelief Component: No record
Slope: 0.5 %

Classifications:

ASC: Sulfidic, Oxyaquic, HYDROSOL
GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| P2 | 0.00 to 0.30 | Brownish black (10YR32) moist; clay loam; massive structure; |
| B21 | 0.30 to 0.70 | Dull yellowish brown (10YR43) moist; sandy light clay; massive structure; |
| 2C1u | 0.70 to 1.20 | Dark greyish yellow (2.5Y42) moist; sandy light clay; massive structure; |
| 3C2u | 1.20 to 1.75 | Yellowish grey (2.5Y41) moist; clayey coarse sand; few 2-10% subrounded quartz small pebbles 2-6mm; massive structure; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 5.0 | 4.0 | |
| 0.30 | | | | | 5.1 | 4.1 | |
| 0.60 | | | | | 5.0 | 4.0 | |
| 0.80 | | | | | 4.9 | 1.8 | |
| 1.00 | | | | | 4.8 | 1.7 | |
| 1.25 | | | | | 4.7 | 1.8 | |
| 1.50 | | | | | 4.5 | 1.7 | |
| 1.75 | | | | | 4.6 | 1.7 | |

Notes:

Location Small flat adjacent to Mooloolah River containing salt couch and Casuarina glauca
Site Mooloolah River - Cutting showed podzol over coffee rock which underlies a lot of this area.
Vegetation Casuarina glauca and salt couch

Project: SEA

Site: 673

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

511831 mE
511725 mE

7045322 mN
7045134 mN

Described By: Malcolm, D (Don)

Date: 29-Jan-1998

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: firm

Substrate Lithology: No record
Element: plain
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: Aquic, PODOSOL
GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| A1 | 0.00 to 0.50 | Brownish grey (10YR41) moist; loamy sand; single grain structure; |
| A2 | 0.50 to 1.50 | Dull yellowish orange (10YR72) moist; sand; single grain structure; |

Field Tests:

No Record

Notes:

Project: SEA **Site:** 674

Soil Name: No record

Location: GDA 94 ZONE 56 511967 mE 7045535 mN
Location: AGD 84 ZONE 56 511861 mE 7045347 mN

Described By: Malcolm, D (Don)

Date: 29-Jan-1998

Landscape:

Geology: No record

Substrate Lithology: No record

Landform Pattern: alluvial plain

Element: plain

Runoff: No record

Permeability: No record

Microrelief: No record

Microrelief Component: No record

Drainage: No record

Slope: 0.5 %

Surface Coarse Fragments: No record

Surface Condition: firm

Classifications:

ASC: Humic, Aquic, PODOSOL

GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| A1 | 0.00 to 0.30 | Brownish black (10YR22) moist; heavy sandy loam; massive structure; |
| B21 | 0.30 to 0.60 | Greyish yellow-brown (10YR42) moist; sandy loam; massive structure; |
| B22hs | 0.60 to 1.00 | Greyish brown (7.5YR42) moist; loamy sand; massive structure; weakly cemented continuous massive organic pan; |
| B23h | 1.00 to 1.25 | Brownish black (7.5YR32) moist; loamy sand; massive structure; strongly cemented continuous massive organic pan; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.6 | 3.2 | |
| 0.30 | | | | | 4.3 | 2.8 | |
| 0.60 | | | | | 4.2 | 3.0 | |
| 0.80 | | | | | 4.3 | 2.7 | |
| 1.00 | | | | | 4.2 | 2.8 | |
| 1.25 | | | | | 4.3 | 2.7 | |

Notes:

Site This site in depression 200m from last site probably about 0.5 to 1.0m lower

Project: SEA

Site: 675

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56 512830 mE
ZONE 56 512724 mE

7046212 mN
7046024 mN

Described By: Malcolm, D (Don)

Date: 29-Jan-1998

Landscape:

Geology: No record
Landform Pattern: beach ridge plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: firm

Substrate Lithology: No record
Element: plain
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: Humic, Aquic, PODOSOL
GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| A | 0.00 to 0.30 | Loamy sand; |
| A2 | 0.30 to 2.00 | Sand; |
| B21h | 2.00 to 4.00 | Loamy sand; strongly cemented continuous massive organic pan; |
| B22hs | 4.00 to 4.50 | Loamy sand; weakly cemented continuous massive organic pan; |

Field Tests:

No Record

Notes:

Project: SEA

Site: 676

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

510712 mE
510606 mE

7044737 mN
7044549 mN

Described By: Malcolm, D (Don)

Date: 30-Jan-1998

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: soft

Substrate Lithology: No record
Element: plain
Permeability: No record
Microrelief Component: No record
Slope: 1 %

Classifications:

ASC: Humic, Aquic, PODOSOL

GSG: No record

PPF: No record

Vegetation:

Tallest Stratum: Tree mallee, 12.01-20m

Species: Melaleuca quinquenervia (swamp paperbark, paper-barked tea-tree, broad-leaved tea-tree)

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| A11 | 0.00 to 0.10 | Brownish black (10YR31) moist; fine sandy clay loam; weak 2-5mm granular structure; |
| A12 | 0.10 to 0.30 | Brownish black (10YR31) moist; few 2-10% fine <5mm distinct orange mottles; fine sandy light clay; massive structure; |
| B21 | 0.30 to 1.00 | Greyish yellow-brown (10YR52) moist; common 10-20% medium 5-15mm distinct yellow mottles; sandy light medium clay; weak 2-5mm subangular blocky structure; |
| C | 1.00 to 1.30 | Brownish grey (10YR51) moist; sandy light medium clay; massive structure; |
| 2C1 | 1.30 to 2.30 | Reddish grey (5R51) moist; sandy light medium clay; massive structure; |
| 3C2 | 2.30 to 2.50 | Greyish yellow-brown (10YR52) moist; clayey sand; single grain structure; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.3 | 1.8 | |
| 0.30 | | | | | 4.4 | 1.8 | |
| 0.60 | | | | | 4.1 | 1.7 | |
| 0.80 | | | | | 3.5 | 1.6 | |
| 1.00 | | | | | 3.3 | 1.5 | |
| 1.25 | | | | | 3.3 | 1.7 | |
| 1.50 | | | | | 3.5 | 1.8 | |
| 1.75 | | | | | 3.9 | 1.9 | |
| 2.00 | | | | | 4.8 | 2.0 | |
| 2.25 | | | | | 5.2 | 1.9 | |
| 2.50 | | | | | 5.7 | 2.2 | |

Notes:

Project: SEA

Site: 677

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56 509540 mE
ZONE 56 509434 mE

7043081 mN
7042893 mN

Described By: Malcolm, D (Don)

Date: 03-Feb-1998

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: firm

Substrate Lithology: No record
Element: plain
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: Redoxic, HYDROSOL

GSG: No record

PPF: No record

Vegetation:

Tallest Stratum: Tree, 12.01-20m, mid-dense

Species: Melaleuca quinquenervia (swamp paperbark, paper-barked tea-tree, broad-leaved tea-tree)

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| A11 | 0.00 to 0.10 | Black (10YR21) moist; clay loam; weak 2-5mm granular structure; |
| A12 | 0.10 to 0.70 | Brownish black (10YR31) moist; few 2-10% fine <5mm distinct orange mottles; light clay; weak structure; |
| B21 | 0.70 to 1.30 | Brownish grey (7.5YR51) moist; few 2-10% medium 5-15mm distinct orange mottles; sandy light medium clay; massive structure; |
| B22 | 1.30 to 2.50 | Brownish grey (10YR61) moist; few 2-10% fine <5mm faint yellow mottles; sandy light medium clay; massive structure; |
| B23 | 2.50 to 3.50 | Light purplish grey (5RP71) moist; very few <2% medium 5-15mm faint yellow mottles; sandy medium clay; massive structure; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.5 | 2.0 | |
| 0.30 | | | | | 4.2 | 2.0 | |
| 0.60 | | | | | 4.0 | 2.2 | |
| 0.80 | | | | | 3.6 | 2.1 | |
| 1.00 | | | | | 3.5 | 1.6 | |
| 1.25 | | | | | 3.3 | 1.9 | |
| 1.50 | | | | | 3.7 | 2.4 | |
| 1.75 | | | | | 4.0 | 2.4 | |
| 2.00 | | | | | 3.9 | 1.8 | |
| 2.25 | | | | | 3.8 | 2.0 | |
| 2.50 | | | | | 3.9 | 1.4 | |
| 2.75 | | | | | 3.9 | 2.6 | |
| 3.00 | | | | | 4.2 | 2.4 | |
| 3.25 | | | | | 4.5 | 2.5 | |
| 3.50 | | | | | 4.4 | 2.4 | |

Notes:

Project: SEA **Site:** 678

Soil Name: No record

Location: GDA 94 **ZONE** 56 **510308 mE** **7043082 mN**
Location: AGD 84 **ZONE** 56 **510202 mE** **7042894 mN**

Described By: Malcolm, D (Don)

Date: 03-Feb-1998

Landscape:

Geology: No record

Landform Pattern: alluvial plain

Runoff: No record

Microrelief: No record

Drainage: No record

Surface Coarse Fragments: No record

Surface Condition: firm

Substrate Lithology: No record

Element: plain

Permeability: No record

Microrelief Component: No record

Slope: 1 %

Classifications:

ASC: Humic, Aquic, PODOSOL

GSG: No record

PPF: No record

Vegetation:

Tallest Stratum: Tree

Species: Melaleuca quinquenervia (swamp paperbark, paper-barked tea-tree, broad-leaved tea-tree);
Casuarina species

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| A | 0.00 to 0.30 | Black (10YR21) moist; clay loam; weak 2-5mm granular structure; |
| A2 | 0.30 to 1.00 | Greyish yellow-brown (10YR52) moist; sandy loam; massive structure; |
| B2h | 1.00 to 1.80 | Brownish black (7.5YR32) moist; sandy loam; massive structure; moderately cemented continuous massive organic pan; |
| 2D1 | 1.80 to 3.00 | Grey (5Y51) moist; few 2-10% medium 5-15mm distinct orange, very few <2% medium |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.5 | 4.3 | |
| 0.30 | | | | | 4.5 | 2.8 | |
| 0.60 | | | | | 4.0 | 2.0 | |
| 0.80 | | | | | 5.0 | 2.2 | |
| 1.00 | | | | | 5.0 | 2.6 | |
| 1.25 | | | | | 5.0 | 2.5 | |
| 1.50 | | | | | 5.0 | 2.5 | |
| 1.75 | | | | | 5.0 | 2.2 | |
| 2.00 | | | | | 5.0 | 2.6 | |
| 2.25 | | | | | 6.0 | 3.0 | |
| 2.50 | | | | | 6.5 | 3.0 | |
| 2.75 | | | | | 6.8 | 2.8 | |
| 3.00 | | | | | 6.8 | 4.5 | |

Notes:

Project: SEA

Site: 681

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

508564 mE
508458 mE

7042105 mN
7041917 mN

Described By: Malcolm, D (Don)

Date: 04-Feb-1998

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: soft

Substrate Lithology: No record
Element: stream bed
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: Sulfidic, Oxyaquic, HYDROSOL
GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| C1 | 0.00 to 1.50 | Brownish grey (10YR41) moist; sand; common 10-20% subangular quartz small pebbles 2-6mm; single grain structure; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 6.8 | 2.1 | |
| 0.30 | | | | | 6.8 | 2.0 | |
| 0.60 | | | | | 6.6 | 1.8 | |
| 0.80 | | | | | 6.6 | 1.7 | |
| 1.00 | | | | | 6.7 | 1.6 | |
| 1.25 | | | | | 6.5 | 1.6 | |
| 1.50 | | | | | 6.2 | 1.6 | |

Notes:

Site Dug into grey sand of stream bed. Very strong smell of sulfide.

Project: SEA

Site: 682

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

509540 mE
509434 mE

7046474 mN
7046286 mN

Described By: Malcolm, D (Don)

Date: 04-Feb-1998

Landscape:

Geology: No record
Landform Pattern: No record
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: soft

Substrate Lithology: No record
Element: plain
Permeability: No record
Microrelief Component: No record
Slope: 1 %

Classifications:

ASC: Semiaquic, PODOSOL
GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| A11 | 0.00 to 0.10 | Black (7.5YR21) moist; sandy loam; massive structure; |
| A12 | 0.10 to 0.80 | Brownish black (7.5YR31) moist; few 2-10% medium 5-15mm distinct orange mottles; sand; single grain structure; |
| A21 | 0.80 to 1.00 | Brownish grey (7.5YR51) moist; loamy sand; massive structure; |
| B2h | 1.00 to 1.10 | Very dark grey (10YR31) moist; loamy sand; massive structure; strongly cemented continuous massive organic pan; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.1 | 2.7 | |
| 0.30 | | | | | 4.0 | 2.3 | |
| 0.60 | | | | | 4.1 | 2.5 | |
| 0.80 | | | | | 4.2 | 2.1 | |
| 1.00 | | | | | 4.7 | 2.7 | |

Notes:

Site Coffee rock
Site Edge of 5m Contour
Vegetation Heathland Community

Project: SEA **Site:** 683

Soil Name: No record

Location: GDA 94 ZONE 56 510363 mE 7047236 mN
Location: AGD 84 ZONE 56 510257 mE 7047048 mN

Described By: Malcolm, D (Don)

Date: 04-Feb-1998

Landscape:

Geology: No record

Landform Pattern: alluvial plain

Runoff: No record

Microrelief: No record

Drainage: No record

Surface Coarse Fragments: No record

Surface Condition: soft

Substrate Lithology: No record

Element: terrace plain

Permeability: No record

Microrelief Component: No record

Slope: 1 %

Classifications:

ASC: Sulfidic, Redoxic, HYDROSOL

GSG: No record

PPF: No record

Vegetation:

Tallest Stratum: Tree, 3.01-6m

Species: Casuarina species

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| A1 | 0.00 to 0.10 | Brownish black (10YR32) moist; common 10-20% medium 5-15mm distinct orange mottles; clay loam; |
| B21i | 0.10 to 0.70 | Greyish yellow-brown (10YR42) moist; common 10-20% coarse 15-30mm distinct orange mottles; sandy light clay; massive structure; |
| 2B2i | 0.70 to 1.00 | Greyish yellow-brown (10YR52) moist; common 10-20% coarse 15-30mm distinct orange mottles; sand; single grain structure; |
| 3C1u | 1.00 to 2.00 | Yellowish grey (2.5Y41) moist; clayey sand; single grain structure; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 6.4 | 3.1 | |
| 0.30 | | | | | 5.8 | 3.4 | |
| 0.60 | | | | | 5.5 | 1.7 | |
| 0.80 | | | | | 5.6 | 1.1 | |
| 1.00 | | | | | 5.7 | 1.8 | |
| 1.25 | | | | | 5.5 | 1.7 | |
| 1.50 | | | | | 5.6 | 2.0 | |
| 1.75 | | | | | 5.5 | 1.9 | |
| 2.00 | | | | | 5.7 | 1.8 | |

Notes:

Site Not much surface

Project: SEA **Site:** 684

Soil Name: No record

Location: GDA 94 ZONE 56 510402 mE 7047722 mN
Location: AGD 84 ZONE 56 510296 mE 7047534 mN

Described By: Malcolm, D (Don)

Date: 05-Feb-1998

Landscape:

Geology: No record

Landform Pattern: beach ridge plain

Runoff: No record

Microrelief: No record

Drainage: No record

Surface Coarse Fragments: No record

Surface Condition: soft

Substrate Lithology: No record

Element: No record

Permeability: No record

Microrelief Component: No record

Slope: 1 %

Classifications:

ASC: Aquic, PODOSOL

GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| A1 | 0.00 to 0.30 | Brownish black (10YR31) moist; loamy sand; single grain structure; |
| A2e | 0.30 to 0.60 | Light grey (10YR71) moist; loamy sand; single grain structure; |
| B21s | 0.60 to 0.80 | Brownish black (7.5YR32) moist; loamy sand; single grain structure; |
| B22hs | 0.80 to 1.40 | Greyish brown (7.5YR52) moist; loamy sand; single grain structure; |
| B23h | 1.40 to 2.10 | Brownish black (7.5YR22) moist; sandy loam; massive structure; moderately cemented continuous massive organic pan; |
| B24hs | 2.10 to 2.50 | Greyish brown (7.5YR42) moist; loamy sand; single grain structure; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.7 | 3.1 | |
| 0.30 | | | | | 4.9 | 2.4 | |
| 0.60 | | | | | 5.9 | 2.7 | |
| 0.80 | | | | | 5.5 | 2.8 | |
| 1.00 | | | | | 5.5 | 2.9 | |
| 1.25 | | | | | 5.5 | 2.6 | |
| 1.50 | | | | | 5.1 | 3.2 | |
| 1.75 | | | | | 4.9 | 3.2 | |
| 2.00 | | | | | 5.0 | 3.6 | |
| 2.25 | | | | | 5.0 | 3.5 | |
| 2.50 | | | | | 5.0 | 3.2 | |

Notes:

Project: SEA

Site: 685

Soil Name: No record

Location: GDA 94

ZONE 56

510549 mE

7048928 mN

Location: AGD 84

ZONE 56

510443 mE

7048740 mN

Described By: Malcolm, D (Don)

Date: 05-Feb-1998

Landscape:

Geology: No record

Landform Pattern: alluvial plain

Runoff: No record

Microrelief: No record

Drainage: No record

Surface Coarse Fragments: No record

Surface Condition: No record

Substrate Lithology: No record

Element: plain

Permeability: No record

Microrelief Component: No record

Slope: No record

Classifications:

ASC: Sulfidic, Oxyaquic, HYDROSOL

GSG: No record

PPF: No record

Vegetation:

Tallest Stratum: Tree, 12.01-20m, mid-dense

Species: Melaleuca quinquenervia (swamp paperbark, paper-barked tea-tree, broad-leaved tea-tree)

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| A1 | 0.00 to 0.10 | Black (10YR21) moist; loamy sand; few 2-10% subangular quartz small pebbles 2-6mm; weak 2-5mm granular structure; |
| A2e | 0.10 to 0.30 | Dull yellowish orange (10YR72) moist; loamy sand; single grain structure; |
| 2A1 | 0.30 to 0.50 | Brownish black (10YR31) moist; sandy loam; massive structure; |
| 2B21i | 0.50 to 1.00 | Dark greyish yellow (2.5Y42) moist; many 20-50% coarse 15-30mm distinct yellow mottles; silty light clay; massive structure; |
| 2C1u | 1.00 to 1.80 | Grey (5Y41) moist; silty light clay; massive structure; |
| 2C2u | 1.80 to 2.80 | Grey (5Y41) moist; sandy light clay; massive structure; |
| 3D1 | 2.80 to 3.00 | Yellowish grey (2.5Y41) moist; coarse sandy light clay; common 10-20% subangular quartz medium pebbles 6-20mm; massive structure; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 5.5 | 3.0 | |
| 0.30 | | | | | 4.9 | 2.4 | |
| 0.60 | | | | | 4.6 | 2.0 | |
| 0.80 | | | | | 5.3 | 2.2 | |
| 1.00 | | | | | 5.5 | 2.6 | |
| 1.25 | | | | | 6.0 | 2.8 | |
| 1.50 | | | | | 6.0 | 3.0 | |
| 1.75 | | | | | 5.9 | 2.0 | |
| 2.00 | | | | | 5.6 | 1.7 | |
| 2.25 | | | | | 5.7 | 1.8 | |
| 2.50 | | | | | 5.8 | 1.8 | |
| 2.75 | | | | | 5.9 | 1.8 | |
| 3.00 | | | | | 5.7 | 1.8 | |

Notes:

Location Remnant patch of Melaleuca amongst housing estate
Site Burnt layer containing many 20mm roots from 0.5-1.0m depth

Project: SEA

Site: 686

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56 507421 mE
ZONE 56 507315 mE

7050053 mN
7049865 mN

Described By: Malcolm, D (Don)

Date: 11-Feb-1998

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: firm

Substrate Lithology: No record
Element: plain
Permeability: No record
Microrelief Component: No record
Slope: 2 %

Classifications:

ASC: Grey, DERMOSOL
GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| A1 | 0.00 to 0.20 | Brownish black (10YR32) moist; light clay; moderate 2-5mm granular structure; |
| B21 | 0.20 to 0.80 | Brownish grey (10YR51) moist; common 10-20% medium 5-15mm distinct orange mottles; sandy light medium clay; moderate 2-5mm subangular blocky structure; |
| B22 | 0.80 to 1.50 | Brownish grey (7.5YR51) moist; common 10-20% medium 5-15mm distinct orange, few 2-10% coarse 15-30mm distinct red mottles; sandy light medium clay; weak 2-5mm subangular blocky structure; |
| B23 | 1.50 to 2.30 | Grey (N50) moist; common 10-20% coarse 15-30mm distinct red mottles; fine sandy medium clay; weak 2-5mm subangular blocky structure; |
| B24 | 2.30 to 3.60 | Grey (N40) moist; many 20-50% coarse 15-30mm distinct orange mottles; fine sandy medium clay; weak 2-5mm subangular blocky structure; |
| B25 | 3.60 to 4.50 | Grey (N50) moist; many 20-50% coarse 15-30mm distinct orange mottles; fine sandy medium clay; weak 2-5mm subangular blocky structure; |
| D1 | 4.50 to 5.00 | Greenish grey (10GY61) moist; sandy light clay; massive structure; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 6.0 | 3.4 | |
| 0.30 | | | | | 5.5 | 4.2 | |
| 0.60 | | | | | 5.7 | 4.3 | |
| 0.80 | | | | | 5.0 | 4.1 | |
| 1.00 | | | | | 5.4 | 4.0 | |
| 1.25 | | | | | 5.3 | 4.3 | |
| 1.50 | | | | | 5.6 | 4.6 | |
| 1.75 | | | | | 5.6 | 4.5 | |
| 2.00 | | | | | 5.8 | 4.6 | |
| 2.25 | | | | | 6.2 | 4.9 | |
| 2.50 | | | | | 5.8 | 4.9 | |
| 2.75 | | | | | 6.2 | 5.0 | |
| 3.00 | | | | | 6.5 | 4.7 | |
| 3.25 | | | | | 6.7 | 6.4 | |
| 3.50 | | | | | 6.8 | 6.4 | |
| 3.75 | | | | | 6.7 | 6.2 | |
| 4.00 | | | | | 6.8 | 6.1 | |
| 4.25 | | | | | 6.7 | 6.0 | |
| 4.50 | | | | | 7.0 | 6.0 | |
| 4.75 | | | | | 7.3 | 7.0 | |
| 5.00 | | | | | 7.3 | 5.9 | |

Notes:

Project: SEA

Site: 687

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

507455 mE
507349 mE

7051116 mN
7050928 mN

Described By: Malcolm, D (Don)

Date: 11-Feb-1998

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: No record
Element: plain
Permeability: No record
Microrelief Component: No record
Slope: 0.5 %

Classifications:

ASC: Sulfidic, Redoxic, HYDROSOL

GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| P1 | 0.00 to 0.10 | Black (10YR21) moist; clay loam; massive structure; |
| P2 | 0.10 to 0.30 | Black (10YR21) moist; very few <2% fine <5mm distinct orange mottles; clay loam; massive structure; |
| B21i | 0.30 to 1.20 | Yellowish grey (2.5Y41) moist; few 2-10% medium 5-15mm distinct orange mottles; silty light clay; massive structure; |
| 2B2i | 1.20 to 2.25 | Yellowish grey (2.5Y51) moist; few 2-10% medium 5-15mm distinct orange mottles; sandy light clay; massive structure; |
| 3D1 | 2.25 to 2.50 | Yellowish grey (2.5Y61) moist; many 20-50% coarse 15-30mm distinct orange, common 10-20% coarse 15-30mm distinct red mottles; sandy light clay; massive structure; |
| 3D2 | 2.50 to 2.75 | Light grey (2.5Y81) moist; many 20-50% coarse 15-30mm distinct orange mottles; sandy medium heavy clay; massive structure; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 5.5 | 2.9 | |
| 0.30 | | | | | 5.0 | 2.0 | |
| 0.60 | | | | | 4.8 | 2.1 | |
| 0.80 | | | | | 4.3 | 2.2 | |
| 1.00 | | | | | 4.8 | 1.8 | |
| 1.25 | | | | | 5.2 | 2.9 | |
| 1.50 | | | | | 5.8 | 3.3 | |
| 1.75 | | | | | 5.9 | 3.2 | |
| 2.00 | | | | | 5.9 | 3.1 | |
| 2.25 | | | | | 5.8 | 2.9 | |
| 2.50 | | | | | 5.5 | 3.0 | |
| 2.75 | | | | | 6.0 | 3.4 | |

Notes:

Project: SEA

Site: 688

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

508220 mE
508114 mE

7051288 mN
7051100 mN

Described By: Malcolm, D (Don)

Date: 11-Feb-1998

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: soft

Substrate Lithology: No record
Element: plain
Permeability: No record
Microrelief Component: No record
Slope: 1 %

Classifications:

ASC: Sulfidic, Redoxic, HYDROSOL

GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| P2 | 0.00 to 0.30 | Black (10YR21) moist; very few <2% medium 5-15mm distinct orange mottles; clay loam; weak structure; |
| 2B21i | 0.30 to 0.80 | Brownish grey (10YR51) moist; few 2-10% medium 5-15mm distinct orange mottles; loamy sand; massive structure; |
| 3B21i | 0.80 to 1.10 | Brownish black (2.5Y31) moist; few 2-10% medium 5-15mm distinct orange mottles; sandy light clay; massive structure; |
| 3C1u | 1.10 to 1.30 | Black (2.5Y21) moist; silty light clay; abundant 50-90% angular shell medium pebbles 6-20mm; massive structure; |
| 3C2u | 1.30 to 2.30 | Black (2.5Y21) moist; silty light clay; few 2-10% angular shell medium pebbles 6-20mm; massive structure; |
| 3C3u | 2.30 to 3.60 | Yellowish grey (2.5Y41) moist; silty light medium clay; massive structure; |
| 4D1 | 3.60 to 4.50 | Yellowish grey (2.5Y41) moist; few 2-10% coarse 15-30mm distinct orange mottles; sandy medium clay; massive structure; |
| 5D2 | 4.50 to 4.75 | Brownish grey (7.5YR51) moist; sandy light clay; massive structure; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.6 | 3.9 | |
| 0.30 | | | | | 4.0 | 3.7 | |
| 0.60 | | | | | 3.4 | 2.5 | |
| 0.80 | | | | | 4.0 | 2.2 | |
| 1.00 | | | | | 5.3 | 2.3 | |
| 1.25 | | | | | 6.4 | 2.5 | |
| 1.50 | | | | | 6.8 | 2.6 | |
| 1.75 | | | | | 7.0 | 2.2 | |
| 2.00 | | | | | 7.0 | 2.2 | |
| 2.25 | | | | | 6.9 | 1.2 | |
| 2.50 | | | | | 6.9 | 1.6 | |
| 2.75 | | | | | 7.1 | 2.0 | |
| 3.00 | | | | | 7.2 | 2.8 | |
| 3.25 | | | | | 7.0 | 5.7 | |
| 3.50 | | | | | 7.0 | 5.6 | |
| 3.75 | | | | | 6.9 | 5.4 | |
| 4.00 | | | | | 7.4 | 5.3 | |
| 4.25 | | | | | 7.3 | 5.4 | |
| 4.50 | | | | | 7.2 | 5.5 | |
| 4.75 | | | | | 7.5 | 4.4 | |

Notes:

Project: SEA

Site: 689

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

508209 mE
508103 mE

7050735 mN
7050547 mN

Described By: Malcolm, D (Don)

Date: 11-Feb-1998

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: firm

Substrate Lithology: No record
Element: plain
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: Redoxic, HYDROSOL
GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| A1 | 0.00 to 0.30 | Brownish black (10YR31) moist; very few <2% fine <5mm distinct orange mottles; light clay; weak 2-5mm granular structure; |
| B21c | 0.30 to 0.50 | Reddish brown (2.5YR41) moist; few 2-10% medium 5-15mm distinct orange mottles; silty medium clay; massive structure; few 2-10% medium 2-6mm manganiferous nodules; |
| 2B21 | 0.50 to 1.00 | Brownish grey (10YR51) moist; few 2-10% medium 5-15mm distinct orange mottles; sandy light clay; massive structure; |
| 2B3 | 1.00 to 1.20 | Yellowish brown (10YR56) moist; many 20-50% coarse 15-30mm distinct orange, many 20-50% coarse 15-30mm distinct red mottles; sandy light medium clay; massive structure; many 20-50% coarse 6-20mm ferruginous nodules; |

Field Tests:

No Record

Notes:

Project: SEA **Site:** 690

Soil Name: No record

Location: GDA 94 ZONE 56 508048 mE 7050975 mN
Location: AGD 84 ZONE 56 507942 mE 7050787 mN

Described By: Malcolm, D (Don)

Date: 11-Feb-1998

Landscape:

Geology: No record

Substrate Lithology: No record

Landform Pattern: alluvial plain

Element: plain

Runoff: No record

Permeability: No record

Microrelief: No record

Microrelief Component: No record

Drainage: No record

Slope: 1 %

Surface Coarse Fragments: No record

Surface Condition: soft

Classifications:

ASC: Sulfidic, Redoxic, HYDROSOL

GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| P2 | 0.00 to 0.30 | Black (10YR21) moist; clay loam; weak 2-5mm granular structure; |
| 2B2 | 0.30 to 0.40 | Brownish grey (10YR51) moist; few 2-10% fine <5mm distinct orange mottles; sandy light clay; massive structure; |
| 3C1u | 0.40 to 1.30 | Yellowish grey (2.5Y41) moist; silty light clay; massive structure; |
| 4D1 | 1.30 to 2.00 | Yellowish grey (2.5Y51) moist; few 2-10% coarse 15-30mm distinct yellow mottles; medium clay; massive structure; |

Field Tests:

No Record

Notes:

Site Checking/trying to find boundary between two sites

Project: SEA **Site:** 691

Soil Name: No record

Location: GDA 94 ZONE 56 508316 mE 7050951 mN
Location: AGD 84 ZONE 56 508210 mE 7050763 mN

Described By: Malcolm, D (Don)

Date: 12-Feb-1998

Landscape:

Geology: No record
Landform Pattern: No record
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: soft

Substrate Lithology: No record
Element: No record
Permeability: No record
Microrelief Component: No record
Slope: 1 %

Classifications:

ASC: Sulfidic, Redoxic, HYDROSOL

GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| P1 | 0.00 to 0.20 | Black (10YR21) moist; very few <2% fine <5mm distinct orange mottles; clay loam; weak 2-5mm granular structure; |
| P2 | 0.20 to 0.50 | Black (10YR21) moist; few 2-10% fine <5mm distinct orange mottles; clay loam; weak 2-5mm granular structure; |
| 2B2i | 0.50 to 0.80 | Greyish yellow-brown (10YR42) moist; few 2-10% medium 5-15mm distinct orange mottles; fine sandy light clay; massive structure; |
| 3C1i | 0.80 to 1.80 | Brownish black (2.5Y31) moist; silty light clay; massive structure; |
| 4C2u | 1.80 to 2.80 | Yellowish grey (2.5Y41) moist; silty light medium clay; massive structure; |
| 5C3u | 2.80 to 3.25 | Dark greyish yellow (2.5Y42) moist; clayey sand; massive structure; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.7 | 2.6 | |
| 0.30 | | | | | 4.8 | 1.9 | |
| 0.60 | | | | | 4.1 | 2.1 | |
| 0.80 | | | | | 4.2 | 2.0 | |
| 1.00 | | | | | 5.5 | 2.2 | |
| 1.25 | | | | | 6.4 | 2.3 | |
| 1.50 | | | | | 7.0 | 2.1 | |
| 1.75 | | | | | 7.3 | 1.9 | |
| 2.00 | | | | | 7.2 | 2.7 | |
| 2.25 | | | | | 6.9 | 2.8 | |
| 2.50 | | | | | 6.8 | 3.0 | |
| 2.75 | | | | | 7.2 | 2.9 | |
| 3.00 | | | | | 7.2 | 3.2 | |
| 3.25 | | | | | 6.1 | 1.7 | |

Notes:

Project: SEA **Site:** 692

Soil Name: No record

Location: GDA 94 ZONE 56 507692 mE 7050656 mN
Location: AGD 84 ZONE 56 507586 mE 7050468 mN

Described By: Malcolm, D (Don)

Date: 12-Feb-1998

Landscape:

Geology: No record

Landform Pattern: alluvial plain

Runoff: No record

Microrelief: No record

Drainage: No record

Surface Coarse Fragments: No record

Surface Condition: firm

Substrate Lithology: No record

Element: plain

Permeability: No record

Microrelief Component: No record

Slope: 1 %

Classifications:

ASC: Grey, DERMOSOL

GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| A1 | 0.00 to 0.15 | Brownish black (10YR31) moist; few 2-10% fine <5mm distinct orange mottles; light clay; moderate 2-5mm granular structure; |
| B21 | 0.15 to 1.00 | Brownish grey (10YR51) moist; common 10-20% medium 5-15mm distinct orange mottles; light medium clay; moderate 2-5mm subangular blocky structure; |
| B22 | 1.00 to 1.80 | Purplish grey (5RP51) moist; common 10-20% coarse 15-30mm distinct orange mottles; sandy light medium clay; massive structure; |
| B3 | 1.80 to 2.75 | Brownish grey (10YR51) moist; many 20-50% coarse 15-30mm distinct red mottles; sandy medium clay; massive structure; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 5.2 | 3.0 | |
| 0.30 | | | | | 5.4 | 3.5 | |
| 0.60 | | | | | 4.5 | 3.5 | |
| 0.80 | | | | | 4.6 | 3.1 | |
| 1.00 | | | | | 4.4 | 2.7 | |
| 1.25 | | | | | 4.4 | 2.5 | |
| 1.50 | | | | | 4.1 | 2.8 | |
| 1.75 | | | | | 4.6 | 2.8 | |
| 2.00 | | | | | 4.3 | 2.7 | |
| 2.25 | | | | | 4.2 | 3.1 | |
| 2.50 | | | | | 4.3 | 3.6 | |
| 2.75 | | | | | 4.3 | 4.0 | |

Notes:

Site

Area once under large tea tree stand cleared over the last few years. Same as site 686

Project: SEA

Site: 693

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

507161 mE
507055 mE

7050827 mN
7050639 mN

Described By: Malcolm, D (Don)

Date: 12-Feb-1998

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: firm

Substrate Lithology: No record
Element: plain
Permeability: No record
Microrelief Component: No record
Slope: 1 %

Classifications:

ASC: Sulfidic, Oxyaquic, HYDROSOL

GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| A1 | 0.00 to 0.30 | Black (10YR21) moist; light clay; massive structure; |
| B21 | 0.30 to 0.80 | Dark reddish grey (2.5YR31) moist; sandy light clay; massive structure; |
| B22 | 0.80 to 2.00 | Yellowish grey (2.5Y51) moist; few 2-10% coarse 15-30mm distinct orange mottles; sandy medium clay; massive structure; |
| B23 | 2.00 to 2.60 | Grey (N60) moist; sandy medium clay; massive structure; |
| B3 | 2.60 to 3.25 | Brownish grey (10YR61) moist; sandy light clay; massive structure; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 5.6 | 3.6 | |
| 0.30 | | | | | 5.0 | 2.9 | |
| 0.60 | | | | | 5.7 | 1.8 | |
| 0.80 | | | | | 5.6 | 1.7 | |
| 1.00 | | | | | 5.9 | 2.6 | |
| 1.25 | | | | | 5.7 | 2.7 | |
| 1.50 | | | | | 5.7 | 3.3 | |
| 1.75 | | | | | 5.9 | 3.2 | |
| 2.00 | | | | | 6.0 | 3.0 | |
| 2.25 | | | | | 6.1 | 2.9 | |
| 2.50 | | | | | 6.1 | 2.5 | |
| 2.75 | | | | | 5.9 | 4.0 | |
| 3.00 | | | | | 5.9 | 4.0 | |
| 3.25 | | | | | 5.9 | 2.9 | |

Notes:

Project: SEA **Site:** 694

Soil Name: No record

Location: GDA 94 **ZONE** 56 **508882 mE** **7056411 mN**
Location: AGD 84 **ZONE** 56 **508776 mE** **7056223 mN**

Described By: Malcolm, D (Don)

Date: 19-Feb-1998

Landscape:

Geology: No record

Landform Pattern: beach ridge plain

Runoff: No record

Microrelief: No record

Drainage: No record

Surface Coarse Fragments: No record

Surface Condition: firm

Substrate Lithology: No record

Element: plain

Permeability: No record

Microrelief Component: No record

Slope: 1 %

Classifications:

ASC: Sulfidic, Redoxic, HYDROSOL

GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| A11 | 0.00 to 0.10 | Black (10YR21) moist; loamy sand; single grain structure; |
| A12 | 0.10 to 0.40 | Brownish black (10YR22) moist; very few <2% fine <5mm distinct orange mottles; loamy sand; single grain structure; |
| B21 | 0.40 to 0.70 | Brownish black (10YR31) moist; few 2-10% fine <5mm distinct orange mottles; sandy clay loam; massive structure; |
| 2C1u | 0.70 to 1.20 | Greyish yellow-brown (10YR52) moist; sand; single grain structure; |
| 2C2u | 1.20 to 1.80 | Greyish yellow-brown (10YR52) moist; clayey sand; single grain structure; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.5 | 3.3 | |
| 0.30 | | | | | 4.5 | 3.0 | |
| 0.60 | | | | | 4.6 | 3.0 | |
| 0.80 | | | | | 4.8 | 3.0 | |
| 1.00 | | | | | 5.2 | 2.7 | |
| 1.25 | | | | | 5.0 | 3.0 | |
| 1.50 | | | | | 4.7 | 3.1 | |
| 1.75 | | | | | 4.6 | 2.8 | |

Notes:

Project: SEA **Site:** 695

Soil Name: No record

Location: GDA 94 ZONE 56 508631 mE 7056435 mN
Location: AGD 84 ZONE 56 508525 mE 7056247 mN

Described By: Malcolm, D (Don)

Date: 19-Feb-1998

Landscape:

Geology: No record

Landform Pattern: beach ridge plain

Runoff: No record

Microrelief: No record

Drainage: No record

Surface Coarse Fragments: No record

Surface Condition: soft

Substrate Lithology: No record

Element: swale

Permeability: No record

Microrelief Component: No record

Slope: 0.5 %

Classifications:

ASC: Sulfidic, Redoxic, HYDROSOL

GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| A1 | 0.00 to 0.30 | Black (10YR21) moist; fine sandy clay loam; massive structure; |
| 2B2i | 0.30 to 0.70 | Dark olive grey (2.5GY41) moist; common 10-20% coarse 15-30mm distinct orange mottles; fine sandy light clay; common 10-20% angular shell medium pebbles 6-20mm; massive structure; |
| 3B2 | 0.70 to 1.60 | Greyish yellow-brown (10YR42) moist; common 10-20% coarse 15-30mm distinct orange mottles; sand; very few <2% angular shell medium pebbles 6-20mm; single grain structure; |
| 3C1u | 1.60 to 2.75 | Grey (5Y41) moist; clayey sand; very few <2% angular shell medium pebbles 6-20mm; massive structure; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 5.1 | 3.5 | |
| 0.30 | | | | | 6.0 | 4.5 | |
| 0.60 | | | | | 7.3 | 5.6 | |
| 0.80 | | | | | 7.1 | 3.8 | |
| 1.00 | | | | | 7.0 | 4.2 | |
| 1.25 | | | | | 6.9 | 3.0 | |
| 1.50 | | | | | 6.9 | 1.8 | |
| 1.75 | | | | | 7.0 | 1.9 | |
| 2.00 | | | | | 7.0 | 1.9 | |
| 2.25 | | | | | 6.9 | 2.3 | |
| 2.50 | | | | | 6.9 | 2.3 | |
| 2.75 | | | | | 6.7 | 2.2 | |

Notes:

Location 200m from last site but area seems 0.5 m lower than last. Phragmites grass is prominent here

Project: SEA

Site: 696

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

509693 mE
509587 mE

7057134 mN
7056946 mN

Described By: Malcolm, D (Don)

Date: 19-Feb-1998

Landscape:

Geology: No record
Landform Pattern: beach ridge plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: No record
Element: swale
Permeability: No record
Microrelief Component: No record
Slope: 0.5 %

Classifications:

ASC: Sulfidic, Oxyaquic, HYDROSOL
GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| A11 | 0.00 to 0.20 | Black (10YR21) moist; sandy clay loam; single grain structure; |
| B21 | 0.20 to 0.70 | Brownish black (10YR31) moist; sandy clay loam; single grain structure; |
| 2C1 | 0.70 to 1.50 | Brownish black (10YR32) moist; sand; single grain structure; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.8 | 2.6 | |
| 0.30 | | | | | 4.5 | 3.8 | |
| 0.60 | | | | | 4.7 | 3.9 | |
| 0.80 | | | | | 4.7 | 3.9 | |
| 1.00 | | | | | 4.8 | 3.8 | |
| 1.25 | | | | | 5.4 | 1.0 | |
| 1.50 | | | | | 5.1 | 3.7 | |

Notes:

Project: SEA **Site:** 697

Soil Name: No record

Location: GDA 94 ZONE 56 509382 mE 7059089 mN
Location: AGD 84 ZONE 56 509276 mE 7058901 mN

Described By: Malcolm, D (Don)

Date: 19-Feb-1998

Landscape:

Geology: No record

Landform Pattern: beach ridge plain

Runoff: No record

Microrelief: No record

Drainage: No record

Surface Coarse Fragments: No record

Surface Condition: firm

Substrate Lithology: No record

Element: plain

Permeability: No record

Microrelief Component: No record

Slope: 1 %

Classifications:

ASC: Aquic, PODOSOL

GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| A11 | 0.00 to 0.30 | Black (10YR21) moist; sandy clay loam; weak 2-5mm granular structure; |
| A3 | 0.30 to 0.80 | Brownish black (10YR31) moist; sand; single grain structure; |
| B2h | 0.80 to 1.00 | Black (10YR21) moist; loamy sand; massive structure; moderately cemented continuous massive organic pan; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 6.6 | 5.1 | |
| 0.30 | | | | | 6.3 | 5.2 | |
| 0.60 | | | | | 6.1 | 5.1 | |
| 0.80 | | | | | 5.5 | 4.7 | |
| 1.00 | | | | | 5.2 | 3.9 | |

Notes:

Site David Low Way Marcoola.

Project: SEA **Site:** 698

Soil Name: No record

Location: GDA 94 ZONE 56 507194 mE 7065595 mN
Location: AGD 84 ZONE 56 507088 mE 7065407 mN

Described By: Malcolm, D (Don)

Date: 19-Feb-1998

Landscape:

Geology: No record
Landform Pattern: beach ridge plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: No record
Element: plain
Permeability: No record
Microrelief Component: No record
Slope: 1 %

Classifications:

ASC: Humic, Aquic, PODOSOL

GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| A1 | 0.00 to 0.40 | Brownish black (10YR31) moist; sand; single grain structure; |
| A2 | 0.40 to 1.10 | Brownish grey (10YR61) moist; sand; single grain structure; |
| B2h | 1.10 to 1.50 | Black (10YR21) moist; loamy sand; massive structure; moderately cemented continuous massive organic pan; |

Field Tests:

No Record

Notes:

Site Off edge of freeway. Podsol not sampled.

Project: SEA

Site: 699

Soil Name: No record

Location: GDA 94

ZONE 56

507499 mE

7057647 mN

Location: AGD 84

ZONE 56

507393 mE

7057459 mN

Described By: Malcolm, D (Don)

Date: 20-Feb-1998

Landscape:

Geology: No record

Landform Pattern: beach ridge plain

Runoff: No record

Microrelief: No record

Drainage: No record

Surface Coarse Fragments: No record

Surface Condition: No record

Substrate Lithology: No record

Element: No record

Permeability: No record

Microrelief Component: No record

Slope: 1 %

Classifications:

ASC: Humic, Aquic, PODOSOL

GSG: No record

PPF: No record

Vegetation:

Tallest Stratum: Tree, 0.51-1m, mid-dense

Species: Banksia aemula (wallum banksia)

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| A1 | 0.00 to 0.50 | Brownish black (10YR31) moist; loamy sand; single grain structure; |
| A21 | 0.50 to 0.70 | Brownish grey (10YR41) moist; loamy sand; single grain structure; |
| A22e | 0.70 to 1.00 | Light grey (10YR81) moist; sand; single grain structure; |
| B21hs | 1.00 to 1.50 | Dark brown (10YR33) moist; loamy sand; massive structure; |
| B22h | 1.50 to 2.00 | Brownish black (10YR22) moist; loamy sand; massive structure; weakly cemented continuous massive organic pan; |
| B23h | 2.00 to 2.25 | Brownish black (7.5YR22) moist; loamy sand; massive structure; moderately cemented continuous massive organic pan; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 5.0 | 4.1 | |
| 0.30 | | | | | 5.2 | 4.2 | |
| 0.60 | | | | | 4.5 | 4.0 | |
| 0.80 | | | | | 4.9 | 4.0 | |
| 1.00 | | | | | 4.7 | 4.2 | |
| 1.25 | | | | | 4.4 | 4.2 | |
| 1.50 | | | | | 4.4 | 4.0 | |
| 1.75 | | | | | 5.0 | 3.1 | |
| 2.00 | | | | | 5.2 | 2.4 | |
| 2.25 | | | | | 5.3 | 2.8 | |

Notes:

Site

Podsol in wallum country between Finland Rd and David Low Way

Project: SEA **Site:** 700

Soil Name: No record

Location: GDA 94 ZONE 56 507466 mE 7057372 mN
Location: AGD 84 ZONE 56 507360 mE 7057184 mN

Described By: Malcolm, D (Don)

Date: 20-Feb-1998

Landscape:

Geology: No record

Landform Pattern: beach ridge plain

Runoff: No record

Microrelief: No record

Drainage: No record

Surface Coarse Fragments: No record

Surface Condition: soft

Substrate Lithology: No record

Element: plain

Permeability: No record

Microrelief Component: No record

Slope: 0.5 %

Classifications:

ASC: Humic, Aquic, PODOSOL

GSG: No record

PPF: No record

Vegetation:

Tallest Stratum: Tree, 6.01-12m, mid-dense

Species: Melaleuca quinquenervia (swamp paperbark, paper-barked tea-tree, broad-leaved tea-tree)

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| A1 | 0.00 to 0.30 | Brownish grey (10YR41) moist; loamy sand; single grain structure; |
| A2e | 0.30 to 1.00 | Light grey (10YR71) moist; few 2-10% fine <5mm distinct orange mottles; sand; single grain structure; |
| B2h | 1.00 to 1.75 | Brownish black (10YR22) moist; loamy sand; massive structure; moderately cemented continuous massive organic pan; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 5.1 | 3.6 | |
| 0.30 | | | | | 5.1 | 3.6 | |
| 0.60 | | | | | 4.1 | 3.8 | |
| 0.80 | | | | | 4.5 | 4.0 | |
| 1.00 | | | | | 4.3 | 2.3 | |
| 1.25 | | | | | 4.7 | 1.6 | |
| 1.50 | | | | | 4.6 | 2.1 | |
| 1.75 | | | | | 4.5 | 2.8 | |

Notes:

Location 200m from last site which was in Banksia wallum. This area slightly lower with dense Melaleuca
Vegetation Melaleuca and Lophostemon

Project: SEA **Site:** 701

Soil Name: No record

Location: GDA 94 ZONE 56 507570 mE 7060288 mN
Location: AGD 84 ZONE 56 507464 mE 7060100 mN

Described By: Malcolm, D (Don)

Date: 20-Feb-1998

Landscape:

Geology: No record

Landform Pattern: beach ridge plain

Runoff: No record

Microrelief: No record

Drainage: No record

Surface Coarse Fragments: No record

Surface Condition: soft

Substrate Lithology: No record

Element: plain

Permeability: No record

Microrelief Component: No record

Slope: 0.5 %

Classifications:

ASC: Humic, Aquic, PODOSOL

GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| A11 | 0.00 to 0.30 | Brownish black (10YR31) moist; loamy sand; single grain structure; |
| A21 | 0.30 to 0.50 | Brownish grey (10YR61) moist; few 2-10% medium 5-15mm distinct orange mottles; sand; single grain structure; |
| A22e | 0.50 to 1.00 | Light grey (10YR81) moist; very few <2% medium 5-15mm distinct orange mottles; sand; single grain structure; |
| B2h | 1.00 to 1.25 | Brownish black (10YR22) moist; loamy sand; massive structure; weakly cemented continuous massive organic pan; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 5.1 | 3.3 | |
| 0.30 | | | | | 5.6 | 3.6 | |
| 0.60 | | | | | 5.7 | 5.0 | |
| 0.80 | | | | | 5.6 | 5.0 | |
| 1.00 | | | | | 4.7 | 2.8 | |
| 1.25 | | | | | 4.8 | 2.7 | |

Notes:

Project: SEA

Site: 702

Soil Name: No record

Location: GDA 94 ZONE 56 508011 mE 7059685 mN
Location: AGD 84 ZONE 56 507905 mE 7059497 mN

Described By: Malcolm, D (Don)

Date: 20-Feb-1998

Landscape:

Geology: No record

Substrate Lithology: No record

Landform Pattern: beach ridge plain

Element: plain

Runoff: No record

Permeability: No record

Microrelief: No record

Microrelief Component: No record

Drainage: No record

Slope: 0.5 %

Surface Coarse Fragments: No record

Surface Condition: soft

Classifications:

ASC: Humic, Aquic, PODOSOL

GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| A1 | 0.00 to 0.20 | Brownish black (10YR31) moist; loamy sand; single grain structure; |
| A21 | 0.20 to 0.40 | Greyish yellow-brown (10YR52) moist; common 10-20% medium 5-15mm distinct orange mottles; sand; single grain structure; |
| A22e | 0.40 to 0.70 | Light grey (10YR81) moist; few 2-10% medium 5-15mm distinct orange mottles; sand; single grain structure; |
| B2h | 0.70 to 1.75 | Brownish black (10YR22) moist; loamy sand; massive structure; moderately cemented continuous massive organic pan; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.7 | 3.0 | |
| 0.30 | | | | | 4.3 | 2.8 | |
| 0.60 | | | | | 4.3 | 2.5 | |
| 0.80 | | | | | 5.1 | 2.9 | |
| 1.00 | | | | | 5.1 | 1.4 | |
| 1.25 | | | | | 5.2 | 2.3 | |
| 1.50 | | | | | 5.3 | 2.6 | |
| 1.75 | | | | | 5.0 | 3.0 | |

Notes:

Location Cane paddock Finland Rd

Project: SEA **Site:** 703

Soil Name: No record

Location: GDA 94 **ZONE** 56 **507321 mE** **7059788 mN**
Location: AGD 84 **ZONE** 56 **507215 mE** **7059600 mN**

Described By: Malcolm, D (Don)

Date: 20-Feb-1998

Landscape:

Geology: No record

Substrate Lithology: No record

Landform Pattern: alluvial plain

Element: plain

Runoff: No record

Permeability: No record

Microrelief: No record

Microrelief Component: No record

Drainage: No record

Slope: 0.5 %

Surface Coarse Fragments: No record

Surface Condition: soft

Classifications:

ASC: Sulfidic, Redoxic, HYDROSOL

GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| A1 | 0.00 to 0.20 | Brownish black (10YR22) moist; sandy clay loam; massive structure; |
| B21 | 0.20 to 0.70 | Greyish yellow-brown (10YR52) moist; few 2-10% coarse 15-30mm distinct orange mottles; sandy light clay; massive structure; |
| 2B22i | 0.70 to 1.30 | Yellowish grey (2.5Y41) moist; very few <2% medium 5-15mm distinct orange mottles; fine sandy light clay; massive structure; |
| 3C1u | 1.30 to 2.50 | Grey (5Y41) moist; silty light clay; very few <2% angular shell medium pebbles 6-20mm; massive structure; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.6 | 3.2 | |
| 0.30 | | | | | 5.1 | 3.1 | |
| 0.60 | | | | | 5.1 | 2.8 | |
| 0.80 | | | | | 5.2 | 2.9 | |
| 1.00 | | | | | 5.8 | 2.8 | |
| 1.25 | | | | | 5.7 | 1.7 | |
| 1.50 | | | | | 6.2 | 1.8 | |
| 1.75 | | | | | 6.2 | 1.9 | |
| 2.00 | | | | | 6.3 | 1.7 | |
| 2.25 | | | | | 6.6 | 2.0 | |
| 2.50 | | | | | 6.6 | 2.1 | |

Notes:

Project: SEA

Site: 720

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

507863 mE
507757 mE

7059038 mN
7058850 mN

Described By: Malcolm, D (Don)

Date: 11-Mar-1998

Landscape:

Geology: No record
Landform Pattern: beach ridge plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: firm

Substrate Lithology: No record
Element: plain
Permeability: No record
Microrelief Component: No record
Slope: 1 %

Classifications:

ASC: Humic, Aquic, PODOSOL
GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| Ap | 0.00 to 0.30 | Brownish black (10YR32) moist; loamy sand; massive structure; |
| A21 | 0.30 to 0.60 | Brown (10YR46) moist; sand; single grain structure; |
| A22e | 0.60 to 0.90 | Light grey (10YR81) moist; sand; single grain structure; |
| B21hs | 0.90 to 1.10 | Greyish brown (7.5YR52) moist; sand; single grain structure; |
| B22h | 1.10 to 1.60 | Black (7.5YR21) moist; loamy sand; massive structure; weakly cemented continuous massive organic pan; |
| B23h | 1.60 to 2.00 | Black (7.5YR21) moist; loamy sand; massive structure; moderately cemented continuous massive organic pan; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.4 | 4.0 | |
| 0.30 | | | | | 4.7 | 3.5 | |
| 0.60 | | | | | 5.6 | 5.1 | |
| 0.80 | | | | | 5.2 | 4.9 | |
| 1.00 | | | | | 5.3 | 4.5 | |
| 1.25 | | | | | 5.3 | 3.5 | |
| 1.50 | | | | | 5.3 | 3.4 | |

Notes:

Project: SEA

Site: 721

Soil Name: No record

Location: GDA 94 ZONE 56 507906 mE 7059076 mN
Location: AGD 84 ZONE 56 507800 mE 7058888 mN

Described By: Malcolm, D (Don)

Date: 11-Mar-1998

Landscape:

Geology: No record

Substrate Lithology: No record

Landform Pattern: alluvial plain

Element: plain

Runoff: No record

Permeability: No record

Microrelief: No record

Microrelief Component: No record

Drainage: No record

Slope: 1 %

Surface Coarse Fragments: No record

Surface Condition: No record

Classifications:

ASC: Humic, Aquic, PODOSOL

GSG: No record

PPF: No record

Vegetation:

Tallest Stratum: Tree, 12.01-20m, mid-dense

Species: Melaleuca quinquenervia (swamp paperbark, paper-barked tea-tree, broad-leaved tea-tree)

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| A1 | 0.00 to 0.20 | Brownish black (10YR32) moist; sandy clay loam; weak 2-5mm granular structure; |
| B21 | 0.20 to 0.60 | Greyish yellow-brown (10YR42) moist; sandy light clay; massive structure; |
| 2A2 | 0.60 to 1.20 | Greyish yellow-brown (10YR52) moist; sand; single grain structure; |
| 2B21h | 1.20 to 1.30 | Black (10YR21) moist; loamy sand; massive structure; weakly cemented continuous massive organic pan; |
| 2B22h | 1.30 to 1.70 | Loamy sand; moderately cemented continuous massive organic pan; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.1 | 3.1 | |
| 0.30 | | | | | 3.8 | 3.2 | |
| 0.60 | | | | | 3.4 | 2.2 | |
| 0.80 | | | | | 3.8 | 1.4 | |
| 1.00 | | | | | 3.9 | 1.4 | |
| 1.25 | | | | | 3.9 | 1.6 | |

Notes:

Project: SEA

Site: 722

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

508814 mE
508708 mE

7058443 mN
7058255 mN

Described By: Malcolm, D (Don)

Date: 11-Mar-1998

Landscape:

Geology: No record
Landform Pattern: beach ridge plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: No record
Element: plain
Permeability: No record
Microrelief Component: No record
Slope: 0.5 %

Classifications:

ASC: Humic, Aquic, PODOSOL
GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| A1 | 0.00 to 0.30 | Brownish grey (10YR41) moist; loamy sand; single grain structure; |
| A2e | 0.30 to 0.80 | Light grey (10YR81) moist; sand; single grain structure; |
| B21h | 0.80 to 1.70 | Black (7.5YR21) moist; loamy sand; massive structure; weakly cemented continuous massive organic pan; |
| B22h | 1.70 to 2.00 | Black (7.5YR21) moist; loamy sand; massive structure; moderately cemented continuous massive organic pan; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 3.6 | 3.2 | |
| 0.30 | | | | | 4.7 | 4.2 | |
| 0.60 | | | | | 4.6 | 4.1 | |
| 0.80 | | | | | 5.2 | 4.5 | |
| 1.00 | | | | | 5.9 | 4.2 | |
| 1.25 | | | | | 5.8 | 4.2 | |
| 1.50 | | | | | 5.9 | 4.4 | |
| 1.75 | | | | | 5.5 | 4.2 | |

Notes:

Location Near Maroochy Airport boundary fence

Project: SEA

Site: 723

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56 508280 mE
ZONE 56 508174 mE

7058245 mN
7058057 mN

Described By: Malcolm, D (Don)

Date: 11-Mar-1998

Landscape:

Geology: No record
Landform Pattern: beach ridge plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: soft

Substrate Lithology: No record
Element: plain
Permeability: No record
Microrelief Component: No record
Slope: 0.5 %

Classifications:

ASC: Humic, Aquic, PODOSOL

GSG: No record

PPF: No record

Vegetation:

Tallest Stratum: Tree, 3.01-6m, mid-dense

Species: Melaleuca quinquenervia (swamp paperbark, paper-barked tea-tree, broad-leaved tea-tree)

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| A11 | 0.00 to 0.20 | Brownish black (10YR31) moist; loamy sand; massive structure; |
| A21 | 0.20 to 0.40 | Greyish red (7.5R42) moist; sand; single grain structure; |
| A22e | 0.40 to 1.20 | Light brownish grey (7.5YR72) moist; sand; single grain structure; |
| B2h | 1.20 to 1.70 | Black (7.5YR21) moist; loamy sand; massive structure; weakly cemented continuous massive organic pan; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.4 | 3.7 | |
| 0.30 | | | | | 4.5 | 3.9 | |
| 0.60 | | | | | 5.3 | 4.6 | |
| 0.80 | | | | | 5.4 | 4.4 | |
| 1.00 | | | | | 5.4 | 4.0 | |
| 1.25 | | | | | 5.6 | 3.9 | |

Notes:

Location Adjacent to Maroochy Airport fence

Project: SEA

Site: 724

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

506806 mE
506700 mE

7058688 mN
7058500 mN

Described By: Malcolm, D (Don)

Date: 11-Mar-1998

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: No record
Element: plain
Permeability: No record
Microrelief Component: No record
Slope: 0.5 %

Classifications:

ASC: Sulfidic, Redoxic, HYDROSOL
GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| A1 | 0.00 to 0.20 | Brownish black (10YR31) moist; light clay; weak 2-5mm granular structure; |
| B2 | 0.20 to 0.40 | Brownish black (10YR32) moist; very few <2% medium 5-15mm distinct orange mottles; light medium clay; moderate 2-5mm subangular blocky structure; |
| 2B2i | 0.40 to 1.00 | Yellowish grey (2.5Y61) moist; common 10-20% medium 5-15mm distinct orange mottles; light clay; massive structure; |
| 3C1u | 1.00 to 2.20 | Grey (5Y41) moist; silty light clay; massive structure; |
| 3C2u | 2.20 to 2.50 | Grey (5Y41) moist; silty light clay; few 2-10% angular shell small pebbles 2-6mm; massive structure; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.6 | 3.4 | |
| 0.30 | | | | | 4.7 | 3.5 | |
| 0.60 | | | | | 6.4 | 5.0 | |
| 0.80 | | | | | 6.7 | 5.0 | |
| 1.00 | | | | | 7.1 | 4.2 | |
| 1.25 | | | | | 6.9 | 2.0 | |
| 1.50 | | | | | 6.8 | 1.8 | |
| 1.75 | | | | | 6.9 | 1.9 | |
| 2.00 | | | | | 6.9 | 1.9 | |
| 2.25 | | | | | 7.1 | 2.0 | |
| 2.50 | | | | | 6.9 | 1.8 | |

Notes:

Project: SEA

Site: 725

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

507296 mE
507190 mE

7059114 mN
7058926 mN

Described By: Malcolm, D (Don)

Date: 12-Mar-1998

Landscape:

Geology: No record

Landform Pattern: beach ridge plain

Runoff: No record

Microrelief: No record

Drainage: No record

Surface Coarse Fragments: No record

Surface Condition: recently cultivated

Substrate Lithology: No record

Element: plain

Permeability: No record

Microrelief Component: No record

Slope: 0.5 %

Classifications:

ASC: Humic, Aquic, PODOSOL

GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| A11 | 0.00 to 0.20 | Black (7.5YR21) moist; sandy loam; massive structure; |
| A12 | 0.20 to 0.50 | Brownish black (7.5YR32) moist; common 10-20% medium 5-15mm distinct orange mottles; sandy loam; massive structure; |
| A21e | 0.50 to 0.60 | Light brownish grey (7.5YR72) moist; few 2-10% medium 5-15mm distinct orange mottles; sand; single grain structure; |
| A22 | 0.60 to 0.80 | Brownish grey (7.5YR41) moist; very few <2% fine <5mm distinct orange mottles; sand; single grain structure; |
| B21hs | 0.80 to 1.70 | Brownish black (7.5YR31) moist; sand; single grain structure; |
| B22h | 1.70 to 1.80 | Brownish black (7.5YR22) moist; loamy sand; massive structure; weakly cemented continuous massive organic pan; |
| B23h | 1.80 to 2.30 | Black (7.5YR21) moist; loamy sand; massive structure; moderately cemented continuous massive organic pan; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 3.9 | 3.5 | |
| 0.30 | | | | | 4.4 | 3.9 | |
| 0.60 | | | | | 4.7 | 3.7 | |
| 0.80 | | | | | 4.4 | 3.5 | |
| 1.00 | | | | | 4.2 | 3.2 | |
| 1.25 | | | | | 4.4 | 2.9 | |
| 1.50 | | | | | 4.2 | 3.1 | |
| 1.75 | | | | | 4.5 | 3.0 | |

Notes:

Project: SEA

Site: 726

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

507343 mE
507237 mE

7058456 mN
7058268 mN

Described By: Malcolm, D (Don)

Date: 12-Mar-1998

Landscape:

Geology: No record
Landform Pattern: beach ridge plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: firm

Substrate Lithology: No record
Element: plain
Permeability: No record
Microrelief Component: No record
Slope: 0.5 %

Classifications:

ASC: Redoxic, HYDROSOL
GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| A11 | 0.00 to 0.30 | Brownish black (10YR31) moist; clay loam; massive structure; |
| A12 | 0.30 to 0.50 | Brownish black (10YR32) moist; few 2-10% medium 5-15mm distinct orange mottles; light clay; weak structure; |
| B21 | 0.50 to 0.80 | Greyish yellow-brown (10YR42) moist; common 10-20% medium 5-15mm distinct orange mottles; sandy light clay; weak 2-5mm subangular blocky structure; |
| 2A2e | 0.80 to 1.20 | Light grey (10YR81) moist; sand; single grain structure; |
| 2B21hs | 1.20 to 1.30 | Brownish grey (7.5YR41) moist; sand; single grain structure; weakly cemented continuous massive organic pan; |
| 2B22h | 1.30 to 1.40 | Sand; single grain structure; moderately cemented broken massive organic pan; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.9 | 4.0 | |
| 0.30 | | | | | 5.0 | 3.8 | |
| 0.60 | | | | | 4.9 | 3.8 | |
| 0.80 | | | | | 5.1 | 4.2 | |
| 1.00 | | | | | 5.3 | 4.0 | |
| 1.25 | | | | | 5.3 | 3.8 | |

Notes:

Project: SEA

Site: 727

Soil Name: No record

Location: GDA 94 ZONE 56 506816 mE 7057503 mN
Location: AGD 84 ZONE 56 506710 mE 7057315 mN

Described By: Malcolm, D (Don)

Date: 12-Mar-1998

Landscape:

Geology: No record

Landform Pattern: beach ridge plain

Runoff: No record

Microrelief: No record

Drainage: No record

Surface Coarse Fragments: No record

Surface Condition: No record

Substrate Lithology: No record

Element: plain

Permeability: No record

Microrelief Component: No record

Slope: 1 %

Classifications:

ASC: Humic, Aquic, PODOSOL

GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| Ap | 0.00 to 0.20 | Black (7.5YR21) moist; sandy loam; massive structure; |
| A12 | 0.20 to 0.40 | Brownish black (7.5YR31) moist; few 2-10% medium 5-15mm distinct orange mottles; sandy clay loam; massive structure; |
| B21 | 0.40 to 0.70 | Greyish brown (7.5YR42) moist; common 10-20% coarse 15-30mm distinct orange mottles; sandy light clay; massive structure; |
| 2A2e | 0.70 to 0.90 | Light brownish grey (7.5YR71) moist; very few <2% medium 5-15mm distinct orange mottles; sand; single grain structure; |
| 2B21hc | 0.90 to 1.50 | Black (7.5YR21) moist; loamy sand; massive structure; weakly cemented continuous massive organic pan; |
| 2B22h | 1.50 to 1.60 | Black (7.5YR21) moist; loamy sand; massive structure; moderately cemented continuous massive organic pan; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.6 | 2.9 | |
| 0.30 | | | | | 4.1 | 3.7 | |
| 0.60 | | | | | 4.7 | 4.1 | |
| 0.80 | | | | | 4.5 | 3.7 | |
| 1.00 | | | | | 5.0 | 2.9 | |
| 1.25 | | | | | 4.9 | 2.5 | |
| 1.50 | | | | | 4.9 | 2.0 | |

Notes:

Project: SEA **Site:** 728

Soil Name: No record

Location: GDA 94 ZONE 56 506087 mE 7057919 mN
Location: AGD 84 ZONE 56 505981 mE 7057731 mN

Described By: Malcolm, D (Don)

Date: 12-Mar-1998

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: No record
Element: plain
Permeability: No record
Microrelief Component: No record
Slope: 1 %

Classifications:

ASC: Sulfidic, Redoxic, HYDROSOL

GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| A1 | 0.00 to 0.20 | Brownish black (10YR31) moist; light clay; weak 2-5mm granular structure; |
| B2 | 0.20 to 0.30 | Brownish grey (10YR41) moist; few 2-10% medium 5-15mm distinct orange mottles; light medium clay; weak 2-5mm subangular blocky structure; |
| 2B21i | 0.30 to 0.60 | Greyish yellow-brown (10YR52) moist; common 10-20% medium 5-15mm distinct orange mottles; sandy light clay; massive structure; |
| 2C1u | 0.60 to 2.20 | Grey (5Y41) moist; clayey sand; massive structure; |
| 3C2u | 2.20 to 2.80 | Brownish grey (7.5YR41) moist; sand; single grain structure; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 6.2 | 4.8 | |
| 0.30 | | | | | 5.8 | 4.0 | |
| 0.60 | | | | | 6.7 | 4.0 | |
| 0.80 | | | | | 6.4 | 1.1 | |
| 1.00 | | | | | 6.2 | 1.5 | |
| 1.25 | | | | | 6.2 | 1.4 | |
| 1.50 | | | | | 5.9 | 1.7 | |
| 1.75 | | | | | 6.0 | 1.6 | |
| 2.00 | | | | | 6.0 | 1.4 | |
| 2.25 | | | | | 5.7 | 1.1 | |
| 2.50 | | | | | 5.8 | 1.5 | |
| 2.75 | | | | | 5.9 | 1.0 | |

Notes:

Vegetation Mangroves and Casuarina glauca on other side of drain

Project: SEA

Site: 729

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

506678 mE
506572 mE

7058203 mN
7058015 mN

Described By: Malcolm, D (Don)

Date: 12-Mar-1998

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: firm

Substrate Lithology: No record
Element: plain
Permeability: No record
Microrelief Component: No record
Slope: 1 %

Classifications:

ASC: Sulfidic, Redoxic, HYDROSOL
GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| Ap | 0.00 to 0.20 | Brownish black (10YR31) moist; light clay; weak 2-5mm granular structure; |
| B21 | 0.20 to 0.40 | Brownish grey (10YR41) moist; common 10-20% medium 5-15mm distinct orange mottles; light medium clay; weak 2-5mm subangular blocky structure; |
| 2B2ia | 0.40 to 1.00 | Brownish grey (10YR61) moist; common 10-20% coarse 15-30mm distinct orange, few 2-10% medium 5-15mm distinct yellow jarositic (from pyrite) mottles; sandy light clay; massive structure; |
| 2C1u | 1.00 to 1.80 | Yellowish grey (2.5Y41) moist; sandy light clay; massive structure; |
| 3C2u | 1.80 to 3.00 | Grey (5Y41) moist; silty light clay; massive structure; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 3.9 | 3.0 | |
| 0.30 | | | | | 3.8 | 2.8 | |
| 0.60 | | | | | 3.6 | 2.9 | |
| 0.80 | | | | | 4.1 | 1.9 | |
| 1.00 | | | | | 4.9 | 2.9 | |
| 1.25 | | | | | 5.0 | 2.2 | |
| 1.50 | | | | | 5.1 | 2.0 | |
| 1.75 | | | | | 5.5 | 1.6 | |
| 2.00 | | | | | 5.7 | 1.9 | |
| 2.25 | | | | | 5.8 | 1.9 | |
| 2.50 | | | | | 5.9 | 1.7 | |
| 2.75 | | | | | 5.9 | 1.6 | |
| 3.00 | | | | | 5.8 | 1.4 | |

Notes:

Project: SEA **Site:** 730

Soil Name: No record

Location: GDA 94 **ZONE** 56 **506192 mE** **7057366 mN**
Location: AGD 84 **ZONE** 56 **506086 mE** **7057178 mN**

Described By: Malcolm, D (Don)

Date: 12-Mar-1998

Landscape:

Geology: No record

Landform Pattern: beach ridge plain

Runoff: No record

Microrelief: No record

Drainage: No record

Surface Coarse Fragments: No record

Surface Condition: firm

Substrate Lithology: No record

Element: plain

Permeability: No record

Microrelief Component: No record

Slope: 0.5 %

Classifications:

ASC: Sulfidic, Redoxic, HYDROSOL

GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| A1 | 0.00 to 0.20 | Brownish black (10YR31) moist; light clay; massive structure; |
| B2 | 0.20 to 0.40 | Brownish grey (10YR41) moist; common 10-20% medium 5-15mm distinct orange mottles; light medium clay; weak 2-5mm subangular blocky structure; |
| 2B2i | 0.40 to 1.30 | Greyish yellow (2.5Y62) moist; common 10-20% coarse 15-30mm distinct orange mottles; sandy light clay; massive structure; |
| 3C1u | 1.30 to 3.00 | Yellowish grey (2.5Y41) moist; clayey sand; single grain structure; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.9 | 3.9 | |
| 0.30 | | | | | 5.2 | 4.0 | |
| 0.60 | | | | | 6.2 | 4.8 | |
| 0.80 | | | | | 6.2 | 5.3 | |
| 1.00 | | | | | 6.9 | 5.6 | |
| 1.25 | | | | | 7.0 | 5.6 | |
| 1.50 | | | | | 7.2 | 1.7 | |
| 1.75 | | | | | 7.4 | 1.7 | |
| 2.00 | | | | | 7.4 | 1.2 | |
| 2.25 | | | | | 7.2 | 1.5 | |
| 2.50 | | | | | 7.2 | 2.0 | |
| 2.75 | | | | | 6.9 | 1.5 | |
| 3.00 | | | | | 6.6 | 1.8 | |

Notes:

Project: SEA

Site: 731

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

506851 mE
506745 mE

7056936 mN
7056748 mN

Described By: Malcolm, D (Don)

Date: 13-Mar-1998

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: recently cultivated

Substrate Lithology: No record
Element: plain
Permeability: No record
Microrelief Component: No record
Slope: 0.5 %

Classifications:

ASC: Sulfidic, Redoxic, HYDROSOL

GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| A11 | 0.00 to 0.40 | Black (10YR21) moist; sandy loam; massive structure; |
| B21 | 0.40 to 0.70 | Greyish yellow-brown (10YR42) moist; common 10-20% medium 5-15mm distinct orange mottles; sandy clay loam; massive structure; |
| 2B21i | 0.70 to 1.30 | Greyish yellow-brown (10YR62) moist; common 10-20% medium 5-15mm distinct orange mottles; sand; single grain structure; |
| 3C1u | 1.30 to 2.50 | Yellowish grey (2.5Y41) moist; very few <2% fine <5mm distinct orange mottles; clayey sand; very few <2% angular shell medium pebbles 6-20mm; single grain structure; |
| 4C2u | 2.50 to 3.00 | Grey (5Y41) moist; sandy light clay; few 2-10% angular shell medium pebbles 6-20mm; massive structure; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.4 | 3.7 | |
| 0.30 | | | | | 4.9 | 4.0 | |
| 0.60 | | | | | 5.8 | 4.6 | |
| 0.80 | | | | | 6.1 | 4.8 | |
| 1.00 | | | | | 5.9 | 4.7 | |
| 1.25 | | | | | 6.9 | 5.6 | |
| 1.50 | | | | | 6.9 | 3.2 | |
| 1.75 | | | | | 7.1 | 3.4 | |
| 2.00 | | | | | 7.0 | 1.9 | |
| 2.25 | | | | | 6.9 | 2.1 | |
| 2.50 | | | | | 6.9 | 1.7 | |
| 2.75 | | | | | 7.0 | 1.8 | |
| 3.00 | | | | | 6.9 | 1.7 | |

Notes:

Project: SEA

Site: 732

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

507266 mE
507160 mE

7056556 mN
7056368 mN

Described By: Malcolm, D (Don)

Date: 13-Mar-1998

Landscape:

Geology: No record
Landform Pattern: beach ridge plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: recently cultivated

Substrate Lithology: No record
Element: plain
Permeability: No record
Microrelief Component: No record
Slope: 1 %

Classifications:

ASC: Sulfidic, Redoxic, HYDROSOL

GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| Ap | 0.00 to 0.30 | Brownish black (10YR31) moist; sandy clay loam; massive structure; |
| B2 | 0.30 to 0.70 | Greyish yellow-brown (10YR52) moist; common 10-20% medium 5-15mm distinct orange mottles; sandy light clay; massive structure; |
| 2C1u | 0.70 to 2.00 | Dark greyish yellow (2.5Y42) moist; clayey sand; single grain structure; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.4 | 3.2 | |
| 0.30 | | | | | 4.9 | 3.3 | |
| 0.60 | | | | | 5.2 | 2.9 | |
| 0.80 | | | | | 6.5 | 1.9 | |
| 1.00 | | | | | 6.4 | 2.8 | |
| 1.25 | | | | | 6.4 | 2.8 | |
| 1.50 | | | | | 6.3 | 1.7 | |
| 1.75 | | | | | 6.3 | 1.1 | |
| 2.00 | | | | | 6.2 | 1.3 | |

Notes:

Project: SEA

Site: 733

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

506512 mE
506406 mE

7056666 mN
7056478 mN

Described By: Malcolm, D (Don)

Date: 13-Mar-1998

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: firm

Substrate Lithology: No record
Element: plain
Permeability: No record
Microrelief Component: No record
Slope: 1 %

Classifications:

ASC: Sulfidic, Redoxic, HYDROSOL
GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| A1 | 0.00 to 0.30 | Brownish black (10YR31) moist; very few <2% fine <5mm distinct orange mottles; sandy clay loam; massive structure; |
| B2 | 0.30 to 0.50 | Greyish yellow-brown (10YR42) moist; few 2-10% medium 5-15mm distinct orange mottles; sandy light clay; massive structure; |
| 2B2i | 0.50 to 0.70 | Greyish yellow-brown (10YR62) moist; common 10-20% medium 5-15mm distinct orange mottles; sand; single grain structure; |
| 3B2i | 0.70 to 1.10 | Brownish grey (10YR41) moist; few 2-10% medium 5-15mm distinct orange mottles; clayey sand; single grain structure; |
| 3C1u | 1.10 to 2.00 | Dark greyish yellow (2.5Y42) moist; clayey sand; very few <2% angular shell medium pebbles 6-20mm; single grain structure; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.5 | 2.3 | |
| 0.30 | | | | | 5.3 | 3.7 | |
| 0.60 | | | | | 7.0 | 5.0 | |
| 0.80 | | | | | 7.0 | 1.7 | |
| 1.00 | | | | | 7.4 | 1.8 | |
| 1.25 | | | | | 7.4 | 2.4 | |
| 1.50 | | | | | 7.3 | 4.5 | |
| 1.75 | | | | | 7.0 | 5.6 | |
| 2.00 | | | | | 7.2 | 5.4 | |

Notes:

Vegetation Mangroves growing in drain

Project: SEA

Site: 734

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

506177 mE
506071 mE

7056801 mN
7056613 mN

Described By: Malcolm, D (Don)

Date: 13-Mar-1998

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: recently cultivated

Substrate Lithology: No record
Element: plain
Permeability: No record
Microrelief Component: No record
Slope: 1 %

Classifications:

ASC: Sulfidic, Redoxic, HYDROSOL

GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| A1 | 0.00 to 0.30 | Brownish black (10YR31) moist; light clay; weak 2-5mm granular structure; |
| B21 | 0.30 to 0.50 | Brownish grey (10YR41) moist; common 10-20% medium 5-15mm distinct orange mottles; light medium clay; weak 2-5mm subangular blocky structure; |
| 2B21i | 0.50 to 0.80 | Yellowish grey (2.5Y61) moist; common 10-20% medium 5-15mm distinct orange mottles; sandy light clay; massive structure; |
| 3B2i | 0.80 to 2.50 | Yellowish grey (2.5Y51) moist; few 2-10% coarse 15-30mm distinct orange mottles; clayey sand; single grain structure; |
| 4C1u | 2.50 to 3.00 | Grey (5Y41) moist; sandy light clay; few 2-10% angular shell medium pebbles 6-20mm; massive structure; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 5.1 | 3.0 | |
| 0.30 | | | | | 6.2 | 3.6 | |
| 0.60 | | | | | 7.5 | 4.5 | |
| 0.80 | | | | | 6.9 | 5.1 | |
| 1.00 | | | | | 7.9 | 5.4 | |
| 1.25 | | | | | 6.9 | 3.4 | |
| 1.50 | | | | | 6.9 | 2.0 | |
| 1.75 | | | | | 6.8 | 2.5 | |
| 2.00 | | | | | 6.7 | 1.9 | |
| 2.25 | | | | | 6.9 | 2.8 | |
| 2.50 | | | | | 7.1 | 2.0 | |
| 2.75 | | | | | 7.1 | 1.9 | |
| 3.00 | | | | | 6.9 | 2.0 | |

Notes:

Project: SEA

Site: 735

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

507469 mE
507363 mE

7062263 mN
7062075 mN

Described By: Malcolm, D (Don)

Date: 18-Mar-1998

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: No record
Element: plain
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: Sulfidic, Redoxic, HYDROSOL

GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| A1 | 0.00 to 0.20 | Brownish black (10YR31) moist; light clay; weak structure; |
| B21 | 0.20 to 0.50 | Brownish grey (10YR41) moist; few 2-10% medium 5-15mm distinct orange mottles; light medium clay; weak structure; |
| 2B21a | 0.50 to 1.00 | Grey (N50) moist; few 2-10% medium 5-15mm distinct yellow jarositic (from pyrite), common 10-20% medium 5-15mm distinct orange mottles; silty light clay; massive structure; |
| 2B22 | 1.00 to 1.80 | Yellowish grey (2.5Y41) moist; few 2-10% medium 5-15mm distinct orange mottles; silty light clay; massive structure; |
| 2C1u | 1.80 to 2.50 | Grey (5Y41) moist; silty light clay; common 10-20% angular shell medium pebbles 6-20mm; massive structure; |
| 2C2u | 2.50 to 4.00 | Grey (5Y41) moist; silty light clay; very few <2% angular shell medium pebbles 6-20mm; massive structure; |
| 3D1 | 4.00 to 4.50 | Grey (5Y51) moist; common 10-20% coarse 15-30mm distinct yellow mottles; silty light medium clay; massive structure; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.7 | 3.9 | |
| 0.30 | | | | | 4.8 | 3.9 | |
| 0.60 | | | | | 5.8 | 2.4 | |
| 0.80 | | | | | 5.8 | 2.6 | |
| 1.00 | | | | | 6.2 | 3.2 | |
| 1.25 | | | | | 6.5 | 3.0 | |
| 1.50 | | | | | 6.6 | 1.8 | |
| 1.75 | | | | | 7.0 | 1.6 | |
| 2.00 | | | | | 6.7 | 2.0 | |
| 2.25 | | | | | 7.1 | 1.7 | |
| 2.50 | | | | | 7.4 | 1.8 | |
| 2.75 | | | | | 7.4 | 1.6 | |
| 3.00 | | | | | 7.7 | 1.4 | |
| 3.25 | | | | | 7.5 | 1.2 | |
| 3.50 | | | | | 7.4 | 1.6 | |
| 3.75 | | | | | 7.7 | 1.8 | |
| 4.00 | | | | | 7.7 | 2.2 | |
| 4.25 | | | | | 7.5 | 6.2 | |
| 4.50 | | | | | 8.0 | 3.4 | |

Notes:

Project: SEA

Site: 736

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

507166 mE
507060 mE

7063250 mN
7063062 mN

Described By: Malcolm, D (Don)

Date: 18-Mar-1998

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: firm

Substrate Lithology: No record
Element: plain
Permeability: No record
Microrelief Component: No record
Slope: 0.5 %

Classifications:

ASC: Sulfuric, Redoxic, HYDROSOL

GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| A11 | 0.00 to 0.30 | Brownish black (10YR31) moist; light clay; weak 2-5mm granular structure; |
| 2B2ia | 0.30 to 0.80 | Yellowish grey (2.5Y41) moist; common 10-20% medium 5-15mm distinct orange, few 2-10% medium 5-15mm distinct yellow jarositic (from pyrite) mottles; silty light clay; massive structure; |
| 2C1u | 0.80 to 1.50 | Grey (5Y41) moist; silty light clay; massive structure; |
| 2C2u | 1.50 to 3.50 | Grey (5Y41) moist; silty light clay; few 2-10% angular shell medium pebbles 6-20mm; massive structure; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 3.8 | 2.5 | |
| 0.30 | | | | | 3.8 | 2.1 | |
| 0.60 | | | | | 4.3 | 2.0 | |
| 0.80 | | | | | 4.7 | 2.1 | |
| 1.00 | | | | | 4.6 | 2.1 | |
| 1.25 | | | | | 6.3 | 2.0 | |
| 1.50 | | | | | 6.6 | 1.9 | |
| 1.75 | | | | | 6.9 | 2.1 | |
| 2.00 | | | | | 6.9 | 1.9 | |
| 2.25 | | | | | 6.8 | 2.0 | |
| 2.50 | | | | | 6.9 | 2.0 | |
| 2.75 | | | | | 6.8 | 1.8 | |
| 3.00 | | | | | 7.0 | 1.7 | |
| 3.25 | | | | | 7.0 | 1.6 | |
| 3.50 | | | | | 7.0 | 1.8 | |

Notes:

Project: SEA

Site: 737

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

506685 mE
506579 mE

7062663 mN
7062475 mN

Described By: Malcolm, D (Don)

Date: 18-Mar-1998

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: firm

Substrate Lithology: No record
Element: plain
Permeability: No record
Microrelief Component: No record
Slope: 0.5 %

Classifications:

ASC: Sulfuric, Oxyaquic, HYDROSOL
GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| A1 | 0.00 to 0.30 | Brownish black (10YR31) moist; light clay; weak 2-5mm granular structure; |
| 2B21i | 0.30 to 0.70 | Brownish grey (10YR41) moist; few 2-10% medium 5-15mm distinct orange mottles; silty light clay; weak structure; |
| 2C1 | 0.70 to 1.50 | Yellowish grey (2.5Y41) moist; silty light clay; massive structure; |
| 2C2 | 1.50 to 3.00 | Grey (5Y41) moist; silty light clay; massive structure; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.6 | 3.2 | |
| 0.30 | | | | | 3.9 | 3.2 | |
| 0.60 | | | | | 5.4 | 1.9 | |
| 0.80 | | | | | 6.3 | 1.8 | |
| 1.00 | | | | | 7.0 | 1.7 | |
| 1.25 | | | | | 6.9 | 1.7 | |
| 1.50 | | | | | 7.1 | 1.9 | |
| 1.75 | | | | | 7.1 | 1.6 | |
| 2.00 | | | | | 7.3 | 1.5 | |
| 2.25 | | | | | 7.5 | 1.4 | |
| 2.50 | | | | | 7.6 | 1.8 | |
| 2.75 | | | | | 7.6 | 1.8 | |
| 3.00 | | | | | 7.3 | 1.6 | |

Notes:

Project: SEA

Site: 738

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

507776 mE
507670 mE

7063188 mN
7063000 mN

Described By: Malcolm, D (Don)

Date: 20-Mar-1998

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: firm

Substrate Lithology: No record
Element: plain
Permeability: No record
Microrelief Component: No record
Slope: 0.5 %

Classifications:

ASC: Sulfuric, Redoxic, HYDROSOL
GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| A1 | 0.00 to 0.30 | Brownish black (10YR32) moist; light clay; weak 2-5mm granular structure; |
| B21i | 0.30 to 0.80 | Yellowish grey (2.5Y51) moist; few 2-10% medium 5-15mm distinct orange mottles; silty light medium clay; massive structure; |
| 2B22ia | 0.80 to 1.30 | Yellowish grey (2.5Y51) moist; common 10-20% medium 5-15mm distinct orange, common 10-20% medium 5-15mm distinct yellow jarositic (from pyrite) mottles; silty light clay; massive structure; |
| 3C1u | 1.30 to 1.80 | Brownish grey (10YR41) moist; sandy light clay; massive structure; |
| 4D1 | 1.80 to 2.50 | Light grey (2.5Y71) moist; common 10-20% coarse 15-30mm distinct yellow, common 10-20% coarse 15-30mm distinct orange mottles; light medium clay; massive structure; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.5 | 3.4 | |
| 0.30 | | | | | 4.4 | 2.9 | |
| 0.60 | | | | | 4.4 | 3.0 | |
| 0.80 | | | | | 3.8 | 2.3 | |
| 1.00 | | | | | 4.0 | 1.9 | |
| 1.25 | | | | | 4.6 | 2.0 | |
| 1.50 | | | | | 5.3 | 1.6 | |
| 1.75 | | | | | 5.4 | 1.5 | |
| 2.00 | | | | | 5.6 | 2.6 | |
| 2.25 | | | | | 5.5 | 2.5 | |
| 2.50 | | | | | 5.6 | 2.4 | |

Notes:

Project: SEA

Site: 739

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

507734 mE
507628 mE

7063755 mN
7063567 mN

Described By: Malcolm, D (Don)

Date: 20-Mar-1998

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: firm

Substrate Lithology: No record
Element: plain
Permeability: No record
Microrelief Component: No record
Slope: 1 %

Classifications:

ASC: Sulfidic, Redoxic, HYDROSOL
GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| A1 | 0.00 to 0.10 | Brownish black (10YR32) moist; light clay; weak structure; |
| B2 | 0.10 to 0.30 | Brownish grey (10YR51) moist; common 10-20% medium 5-15mm distinct orange mottles; light medium clay; massive structure; |
| 2B2i | 0.30 to 0.70 | Greyish yellow-brown (10YR52) moist; few 2-10% medium 5-15mm distinct orange mottles; clayey sand; single grain structure; |
| 2C1 | 0.70 to 1.25 | Yellowish grey (2.5Y41) moist; clayey sand; single grain structure; |
| 3B2h | 1.25 to 1.50 | Black (7.5YR21) moist; loamy sand; massive structure; moderately cemented continuous massive organic pan; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 5.1 | 4.5 | |
| 0.30 | | | | | 5.5 | 5.0 | |
| 0.60 | | | | | 5.3 | 5.0 | |
| 0.80 | | | | | 5.9 | 4.5 | |
| 1.00 | | | | | 6.1 | 4.3 | |
| 1.25 | | | | | 6.0 | 2.4 | |
| 1.50 | | | | | 5.9 | 1.3 | |

Notes:

Site This area supposed to be Pleistocene tidal delta sands

Project: SEA **Site:** 740

Soil Name: No record

Location: GDA 94 ZONE 56 506554 mE 7063652 mN
Location: AGD 84 ZONE 56 506448 mE 7063464 mN

Described By: Malcolm, D (Don)

Date: 20-Mar-1998

Landscape:

Geology: No record

Landform Pattern: alluvial plain

Runoff: No record

Microrelief: No record

Drainage: No record

Surface Coarse Fragments: No record

Surface Condition: firm

Substrate Lithology: No record

Element: plain

Permeability: No record

Microrelief Component: No record

Slope: 0.5 %

Classifications:

ASC: Sulfidic, Redoxic, HYDROSOL

GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| A1 | 0.00 to 0.50 | Brownish black (10YR32) moist; light clay; weak 2-5mm granular structure; |
| 2B21i | 0.50 to 0.80 | Greyish yellow-brown (10YR42) moist; common 10-20% medium 5-15mm distinct orange mottles; silty light clay; massive structure; |
| 2B22i | 0.80 to 1.30 | Yellowish grey (2.5Y41) moist; few 2-10% medium 5-15mm distinct orange mottles; silty light clay; massive structure; |
| C1u | 1.30 to 2.80 | Grey (5Y41) moist; silty light clay; few 2-10% angular shell medium pebbles 6-20mm; massive structure; |
| 2C2u | 2.80 to 3.00 | Grey (5Y41) moist; loamy sand; massive structure; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.5 | 3.6 | |
| 0.30 | | | | | 4.6 | 3.1 | |
| 0.60 | | | | | 5.8 | 4.0 | |
| 0.80 | | | | | 5.6 | 2.4 | |
| 1.00 | | | | | 6.7 | 2.4 | |
| 1.25 | | | | | 6.8 | 2.5 | |
| 1.50 | | | | | 7.0 | 2.3 | |
| 1.75 | | | | | 7.5 | 2.4 | |
| 2.00 | | | | | 7.3 | 2.6 | |
| 2.25 | | | | | 7.3 | 2.3 | |
| 2.50 | | | | | 7.4 | 2.4 | |
| 2.75 | | | | | 7.4 | 2.7 | |
| 3.00 | | | | | 7.0 | 5.9 | |

Notes:

Project: SEA **Site:** 741

Soil Name: No record

Location: GDA 94 **ZONE** 56 **506310 mE** **7062962 mN**
Location: AGD 84 **ZONE** 56 **506204 mE** **7062774 mN**

Described By: Malcolm, D (Don)

Date: 20-Mar-1998

Landscape:

Geology: No record

Landform Pattern: alluvial plain

Runoff: No record

Microrelief: No record

Drainage: No record

Surface Coarse Fragments: No record

Surface Condition: soft

Substrate Lithology: No record

Element: plain

Permeability: No record

Microrelief Component: No record

Slope: 0.5 %

Classifications:

ASC: Sulfuric, Redoxic, HYDROSOL

GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| A1 | 0.00 to 0.30 | Brownish black (10YR31) moist; light clay; weak 2-5mm granular structure; |
| B21ia | 0.30 to 0.70 | Greyish yellow-brown (10YR42) moist; common 10-20% medium 5-15mm distinct yellow, few 2-10% medium 5-15mm distinct yellow jarositic (from pyrite) mottles; silty light clay; massive structure; |
| B22i | 0.70 to 1.30 | Yellowish grey (2.5Y41) moist; very few <2% medium 5-15mm distinct orange, few 2-10% medium 5-15mm distinct yellow jarositic (from pyrite) mottles; silty light clay; massive structure; |
| C1u | 1.30 to 2.00 | Grey (5Y41) moist; silty light clay; massive structure; |
| C2u | 2.00 to 3.00 | Grey (5Y41) moist; silty light clay; few 2-10% angular shell medium pebbles 6-20mm; massive structure; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.2 | 3.4 | |
| 0.30 | | | | | 4.0 | 3.0 | |
| 0.60 | | | | | 3.9 | 2.6 | |
| 0.80 | | | | | 4.2 | 1.6 | |
| 1.00 | | | | | 5.9 | 1.7 | |
| 1.25 | | | | | 6.6 | 1.5 | |
| 1.50 | | | | | 6.9 | 1.7 | |
| 1.75 | | | | | 7.8 | 1.2 | |
| 2.00 | | | | | 7.7 | 2.0 | |
| 2.25 | | | | | 7.7 | 1.7 | |
| 2.50 | | | | | 7.3 | 2.4 | |
| 2.75 | | | | | 7.5 | 2.6 | |
| 3.00 | | | | | 6.8 | 3.5 | |

Notes:

Project: SEA

Site: 742

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

507242 mE
507136 mE

7063945 mN
7063757 mN

Described By: Malcolm, D (Don)

Date: 25-Mar-1998

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: recently cultivated

Substrate Lithology: No record
Element: plain
Permeability: No record
Microrelief Component: No record
Slope: 0.5 %

Classifications:

ASC: Sulfidic, Redoxic, HYDROSOL

GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| A1 | 0.00 to 0.10 | Black (10YR21) moist; light clay; weak 2-5mm granular structure; |
| B21 | 0.10 to 0.30 | Brownish black (10YR31) moist; light medium clay; weak 2-5mm subangular blocky structure; |
| 2B21i | 0.30 to 0.60 | Greyish yellow-brown (10YR42) moist; common 10-20% coarse 15-30mm distinct orange mottles; sandy light medium clay; weak 2-5mm subangular blocky structure; |
| 2B22i | 0.60 to 0.80 | Greyish yellow-brown (10YR52) moist; few 2-10% coarse 15-30mm distinct orange mottles; sandy light clay; massive structure; |
| 3C1u | 0.80 to 2.00 | Yellowish grey (2.5Y51) moist; clayey sand; single grain structure; |
| 4B2hs | 2.00 to 2.80 | Dark brown (10YR34) moist; loamy sand; massive structure; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.9 | 4.0 | |
| 0.30 | | | | | 5.3 | 4.0 | |
| 0.60 | | | | | 5.4 | 4.2 | |
| 0.80 | | | | | 5.3 | 4.1 | |
| 1.00 | | | | | 5.9 | 4.3 | |
| 1.25 | | | | | 6.2 | 3.1 | |
| 1.50 | | | | | 6.5 | 2.2 | |
| 1.75 | | | | | 6.6 | 1.9 | |
| 2.00 | | | | | 6.8 | 1.1 | |
| 2.25 | | | | | 6.8 | 1.8 | |
| 2.50 | | | | | 7.0 | 2.2 | |
| 2.75 | | | | | 6.9 | 2.1 | |

Notes:

Project: SEA

Site: 743

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

506572 mE
506466 mE

7064230 mN
7064042 mN

Described By: Malcolm, D (Don)

Date: 25-Mar-1998

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: firm

Substrate Lithology: No record
Element: plain
Permeability: No record
Microrelief Component: No record
Slope: 0.5 %

Classifications:

ASC: Sulfidic, Redoxic, HYDROSOL
GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| A1 | 0.00 to 0.20 | Black (10YR21) moist; silty clay loam; massive structure; |
| B21 | 0.20 to 0.50 | Greyish yellow-brown (10YR42) moist; common 10-20% medium 5-15mm distinct orange mottles; silty light clay; massive structure; |
| 2B21 | 0.50 to 1.00 | Greyish yellow-brown (10YR52) moist; common 10-20% coarse 15-30mm distinct orange mottles; sandy light clay; massive structure; |
| 3C1u | 1.00 to 1.50 | Yellowish grey (2.5Y41) moist; clayey sand; single grain structure; |
| 4B2h | 1.50 to 1.80 | Black (10YR21) moist; loamy sand; massive structure; moderately cemented continuous massive organic pan; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.5 | 3.6 | |
| 0.30 | | | | | 5.3 | 3.7 | |
| 0.60 | | | | | 4.5 | 3.8 | |
| 0.80 | | | | | 5.0 | 4.3 | |
| 1.00 | | | | | 6.6 | 4.2 | |
| 1.25 | | | | | 6.4 | 1.4 | |
| 1.50 | | | | | 6.9 | 1.2 | |
| 1.75 | | | | | 6.4 | 2.0 | |

Notes:

Project: SEA **Site:** 744

Soil Name: No record

Location: GDA 94 **ZONE** 56 **506746 mE** **7064899 mN**
Location: AGD 84 **ZONE** 56 **506640 mE** **7064711 mN**

Described By: Malcolm, D (Don)

Date: 25-Mar-1998

Landscape:

Geology: No record **Substrate Lithology:** No record
Landform Pattern: alluvial plain **Element:** plain
Runoff: No record **Permeability:** No record
Microrelief: No record **Microrelief Component:** No record
Drainage: No record **Slope:** 0.5 %
Surface Coarse Fragments: No record
Surface Condition: firm

Classifications:

ASC: Sulfidic, Oxyaquic, HYDROSOL
GSG: No record **PPF:** No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| A1 | 0.00 to 0.20 | Black (10YR21) moist; clay loam; weak 2-5mm granular structure; |
| B21 | 0.20 to 0.70 | Brownish grey (10YR51) moist; few 2-10% coarse 15-30mm distinct orange mottles; sandy light clay; massive structure; |
| 2A2 | 0.70 to 0.90 | Brownish grey (10YR61) moist; sand; massive structure; |
| 2B2hs | 0.90 to 1.20 | Brownish black (7.5YR32) moist; loamy sand; massive structure; |
| 2B22hs | 1.20 to 2.00 | Dark brown (7.5YR34) moist; loamy sand; massive structure; moderately cemented continuous massive organic pan; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.6 | 4.1 | |
| 0.30 | | | | | 4.7 | 4.0 | |
| 0.60 | | | | | 5.7 | 4.8 | |
| 0.80 | | | | | 5.6 | 4.3 | |
| 1.00 | | | | | 6.1 | 3.1 | |
| 1.25 | | | | | 6.0 | 1.5 | |
| 1.50 | | | | | 6.2 | 1.6 | |
| 1.75 | | | | | 6.2 | 1.6 | |
| 2.00 | | | | | 6.1 | 1.6 | |

Notes:

Vegetation Phragmites growing in drain

Project: SEA **Site:** 745

Soil Name: No record

Location: GDA 94 ZONE 56 507236 mE 7064649 mN
Location: AGD 84 ZONE 56 507130 mE 7064461 mN

Described By: Malcolm, D (Don)

Date: 25-Mar-1998

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: firm

Substrate Lithology: No record
Element: plain
Permeability: No record
Microrelief Component: No record
Slope: 0.5 %

Classifications:

ASC: Redoxic, HYDROSOL
GSG: No record **PPF:** No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| A1 | 0.00 to 0.30 | Brownish black (10YR31) moist; sandy clay loam; massive structure; |
| B21i | 0.30 to 0.50 | Greyish yellow-brown (10YR42) moist; common 10-20% medium 5-15mm distinct orange mottles; sandy clay loam; massive structure; |
| 2A2j | 0.50 to 0.80 | Brownish grey (7.5YR41) moist; few 2-10% medium 5-15mm distinct orange mottles; sand; single grain structure; |
| 2B2h | 0.80 to 1.00 | Brownish black (7.5YR32) moist; loamy sand; massive structure; moderately cemented continuous massive organic pan; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.5 | 3.6 | |
| 0.30 | | | | | 5.6 | 4.0 | |
| 0.60 | | | | | 6.4 | 4.1 | |
| 0.80 | | | | | 6.6 | 3.7 | |
| 1.00 | | | | | 5.7 | 3.2 | |

Notes:

Project: SEA

Site: 746

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

507686 mE
507580 mE

7064642 mN
7064454 mN

Described By: Malcolm, D (Don)

Date: 25-Mar-1998

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: firm

Substrate Lithology: No record
Element: plain
Permeability: No record
Microrelief Component: No record
Slope: 0.5 %

Classifications:

ASC: Redoxic, HYDROSOL
GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| A1 | 0.00 to 0.30 | Brownish black (10YR31) moist; light clay; weak 2-5mm granular structure; |
| B21 | 0.30 to 0.50 | Brownish grey (10YR51) moist; common 10-20% medium 5-15mm distinct orange mottles; light medium clay; weak 2-5mm subangular blocky structure; |
| 2B2 | 0.50 to 0.70 | Brownish grey (10YR41) moist; very few <2% medium 5-15mm distinct orange mottles; sandy light clay; massive structure; |
| 3A2e | 0.70 to 1.00 | Light grey (10YR81) moist; sand; single grain structure; |
| 3B2hs | 1.00 to 2.00 | Dark brown (7.5YR34) moist; loamy sand; massive structure; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.7 | 3.1 | |
| 0.30 | | | | | 5.1 | 2.9 | |
| 0.60 | | | | | 4.8 | 4.0 | |
| 0.80 | | | | | 5.2 | 4.4 | |
| 1.00 | | | | | 5.1 | 2.2 | |
| 1.25 | | | | | 5.2 | 1.6 | |
| 1.50 | | | | | 5.4 | 1.5 | |
| 1.75 | | | | | 5.2 | 1.5 | |
| 2.00 | | | | | 5.3 | 2.4 | |

Notes:

Vegetation Regrowth nearby of Bluegum and Melaleuca

Project: SEA **Site:** 747

Soil Name: No record

Location: GDA 94 ZONE 56 506111 mE 7065998 mN
Location: AGD 84 ZONE 56 506005 mE 7065810 mN

Described By: Malcolm, D (Don)

Date: 26-Mar-1998

Landscape:

Geology: No record

Substrate Lithology: No record

Landform Pattern: No record

Element: plain

Runoff: No record

Permeability: No record

Microrelief: No record

Microrelief Component: No record

Drainage: No record

Slope: 1 %

Surface Coarse Fragments: No record

Surface Condition: firm

Classifications:

ASC: Sesquic, Semiaquic, PODOSOL

GSG: No record

PPF: No record

Vegetation:

Tallest Stratum: Tree, 6.01-12m, mid-dense

Species: Melaleuca quinquenervia (swamp paperbark, paper-barked tea-tree, broad-leaved tea-tree)

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| A11 | 0.00 to 0.10 | Brownish black (10YR31) moist; loamy sand; massive structure; |
| A12 | 0.10 to 0.50 | Brownish black (10YR31) moist; few 2-10% medium 5-15mm distinct orange mottles; loamy sand; massive structure; |
| A2e | 0.50 to 0.70 | Light grey (10YR81) moist; sand; single grain structure; |
| B2s | 0.70 to 2.00 | Dull yellowish brown (10YR54) moist; sand; single grain structure; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 5.0 | 4.4 | |
| 0.30 | | | | | 5.2 | 4.7 | |
| 0.60 | | | | | 5.6 | 5.2 | |
| 0.80 | | | | | 5.1 | 4.7 | |
| 1.00 | | | | | 5.3 | 4.9 | |
| 1.25 | | | | | 5.3 | 4.9 | |
| 1.50 | | | | | 5.5 | 4.7 | |
| 1.75 | | | | | 5.5 | 4.9 | |
| 2.00 | | | | | 5.2 | 4.8 | |

Notes:

Location Off Coolum Yandina Rd
Observation Looks like Pleistocene tidal delta material
Observation Mix of grain size in sand

Project: SEA

Site: 748

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

505068 mE
504962 mE

7065278 mN
7065090 mN

Described By: Malcolm, D (Don)

Date: 26-Mar-1998

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: firm

Substrate Lithology: No record
Element: plain
Permeability: No record
Microrelief Component: No record
Slope: 0.5 %

Classifications:

ASC: Sulfidic, Oxyaquic, HYDROSOL
GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| A1 | 0.00 to 0.40 | Brownish black (10YR31) moist; clay loam; massive structure; |
| A2e | 0.40 to 0.80 | Light grey (10YR81) moist; sand; single grain structure; |
| 2C1u | 0.80 to 1.60 | Yellowish grey (2.5Y41) moist; clayey sand; massive structure; |
| 3B2h | 1.60 to 1.80 | Brownish black (7.5YR32) moist; loamy sand; massive structure; moderately cemented continuous massive organic pan; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 5.1 | 4.2 | |
| 0.30 | | | | | 5.3 | 3.8 | |
| 0.60 | | | | | 5.6 | 2.6 | |
| 0.80 | | | | | 6.1 | 2.7 | |
| 1.00 | | | | | 6.3 | 1.1 | |
| 1.25 | | | | | 6.4 | 1.1 | |
| 1.50 | | | | | 7.0 | 1.5 | |
| 1.75 | | | | | 6.8 | 1.6 | |

Notes:

Project: SEA

Site: 749

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

506272 mE
506166 mE

7066680 mN
7066492 mN

Described By: Malcolm, D (Don)

Date: 26-Mar-1998

Landscape:

Geology: No record
Landform Pattern: beach ridge plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: firm

Substrate Lithology: No record
Element: plain
Permeability: No record
Microrelief Component: No record
Slope: 1 %

Classifications:

ASC: Humic, Aquic, PODOSOL
GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| A1 | 0.00 to 0.30 | Brownish black (10YR31) moist; loamy sand; massive structure; |
| A21 | 0.30 to 0.50 | Greyish yellow-brown (10YR62) moist; sand; single grain structure; |
| A22e | 0.50 to 0.80 | Light grey (10YR82) moist; sand; single grain structure; |
| B2h | 0.80 to 1.00 | Black (7.5YR21) moist; loamy sand; massive structure; moderately cemented continuous massive organic pan; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.1 | 3.4 | |
| 0.30 | | | | | 4.4 | 3.5 | |
| 0.60 | | | | | 5.0 | 4.2 | |
| 0.80 | | | | | 4.6 | 3.5 | |
| 1.00 | | | | | 5.0 | 4.0 | |

Notes:

Location Quanda Rd

Project: SEA

Site: 774

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

504379 mE
504273 mE

7065900 mN
7065712 mN

Described By: Malcolm, D (Don)

Date: 15-Jul-1998

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: firm

Substrate Lithology: No record
Element: plain
Permeability: No record
Microrelief Component: No record
Slope: 0.5 %

Classifications:

ASC: Grey, KANDOSOL
GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| A1 | 0.00 to 0.20 | Very dark grey (10YR31) moist; fine sandy clay loam; weak 2-5mm granular structure; |
| A3 | 0.20 to 0.40 | Very dark grey (10YR31) moist; light medium clay; weak structure; |
| B21 | 0.40 to 1.30 | Grey (2.5Y51) moist; few 2-10% coarse 15-30mm distinct orange mottles; sandy medium heavy clay; weak structure; |
| B22 | 1.30 to 2.00 | Grey (2.5Y61) moist; few 2-10% coarse 15-30mm distinct orange mottles; sandy medium heavy clay; very few <2% angular quartz medium pebbles 6-20mm; weak structure; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 5.5 | 4.9 | |
| 0.30 | | | | | 6.0 | 5.2 | |
| 0.60 | | | | | 5.8 | 5.0 | |
| 0.80 | | | | | 6.5 | 6.1 | |
| 1.00 | | | | | 6.9 | 6.3 | |
| 1.25 | | | | | 7.1 | 6.1 | |
| 1.50 | | | | | 7.2 | 6.1 | |
| 1.75 | | | | | 7.0 | 6.2 | |
| 2.00 | | | | | 6.6 | 6.0 | |

Notes:

Project: SEA

Site: 793

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

505282 mE
505176 mE

7064743 mN
7064555 mN

Described By: Malcolm, D (Don)

Date: 29-Jul-1998

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: No record
Element: plain
Permeability: No record
Microrelief Component: No record
Slope: 0.5 %

Classifications:

ASC: Sulfidic, Redoxic, HYDROSOL
GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| A11 | 0.00 to 0.20 | Very dark grey (10YR31) moist; very few <2% fine <5mm distinct orange mottles; silty clay loam; weak structure; |
| A12 | 0.20 to 0.50 | Very dark greyish brown (10YR32) moist; very few <2% medium 5-15mm distinct orange mottles; silty clay loam; weak structure; |
| 2B21i | 0.50 to 1.00 | Grey (10YR51) moist; few 2-10% medium 5-15mm distinct orange mottles; clayey fine sand; massive structure; |
| 3B22i | 1.00 to 1.50 | Grey (2.5Y51) moist; few 2-10% medium 5-15mm distinct orange mottles; silty light clay; massive structure; |
| 3C1u | 1.50 to 2.50 | Dark grey (2.5Y41) moist; silty light clay; massive structure; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 6.4 | 5.3 | |
| 0.30 | | | | | 6.4 | 5.2 | |
| 0.60 | | | | | 6.3 | 5.0 | |
| 0.80 | | | | | 6.8 | 4.9 | |
| 1.00 | | | | | 6.0 | 4.1 | |
| 1.25 | | | | | 7.7 | 2.2 | |
| 1.50 | | | | | 7.7 | 2.0 | |
| 1.75 | | | | | 8.1 | 1.4 | |
| 2.00 | | | | | 8.3 | 1.7 | |
| 2.25 | | | | | 8.3 | 1.6 | |
| 2.50 | | | | | 8.3 | 1.5 | |

Notes:

Vegetation Recently cleared Melaleuca Quinquenervia

Project: SEA **Site:** 794

Soil Name: No record

Location: GDA 94 ZONE 56 505820 mE 7064655 mN
Location: AGD 84 ZONE 56 505714 mE 7064467 mN

Described By: Malcolm, D (Don)

Date: 29-Jul-1998

Landscape:

Geology: No record

Substrate Lithology: No record

Landform Pattern: alluvial plain

Element: plain

Runoff: No record

Permeability: No record

Microrelief: No record

Microrelief Component: No record

Drainage: No record

Slope: No record

Surface Coarse Fragments: No record

Surface Condition: soft

Classifications:

ASC: Sulfidic, Redoxic, HYDROSOL

GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| A1 | 0.00 to 0.30 | Very dark grey (10YR31) moist; silty clay loam; weak structure; |
| 2B2i | 0.30 to 0.60 | Grey (2.5Y51) moist; few 2-10% medium 5-15mm distinct orange mottles; fine sandy light clay; massive structure; |
| 3B2i | 0.60 to 0.90 | Grey (2.5Y51) moist; few 2-10% medium 5-15mm distinct orange mottles; clayey sand; massive structure; |
| 4B2h | 0.90 to 1.10 | Black (10YR20) moist; loamy sand; massive structure; moderately cemented continuous massive organic pan; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 6.3 | 5.0 | |
| 0.30 | | | | | 6.2 | 5.1 | |
| 0.60 | | | | | 6.0 | 5.1 | |
| 0.80 | | | | | 6.0 | 5.0 | |
| 1.00 | | | | | 7.1 | 1.7 | |

Notes:

Project: SEA

Site: 795

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

505736 mE
505630 mE

7064143 mN
7063955 mN

Described By: Malcolm, D (Don)

Date: 29-Jul-1998

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: No record
Element: plain
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: Sulfidic, Redoxic, HYDROSOL

GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| S1 | 0.00 to 0.30 | Silty clay loam; |
| A1 | 0.30 to 0.70 | Very dark grey (10YR31) moist; silty clay loam; weak 2-5mm granular structure; |
| 2B21i | 0.70 to 1.20 | Grey (2.5Y51) moist; common 10-20% medium 5-15mm distinct orange mottles; silty light clay; massive structure; |
| 2C1u | 1.20 to 2.30 | Dark grey (2.5Y41) moist; silty light clay; massive structure; |
| 3C1u | 2.30 to 3.50 | Dark grey (2.5Y41) moist; sandy light clay; few 2-10% angular shell large pebbles 20-60mm, few 2-10% angular shell medium pebbles 6-20mm; massive structure; |
| 4B2h | 3.50 to 3.75 | Black (10YR21) moist; fine sandy clay loam; massive structure; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 5.0 | 4.2 | |
| 0.30 | | | | | 5.1 | 4.5 | |
| 0.60 | | | | | 5.7 | 4.8 | |
| 0.80 | | | | | 6.2 | 1.5 | |
| 1.00 | | | | | 7.3 | 1.8 | |
| 1.25 | | | | | 7.3 | 1.5 | |
| 1.50 | | | | | 7.8 | 1.5 | |
| 1.75 | | | | | 8.0 | 1.3 | |
| 2.00 | | | | | 8.1 | 1.8 | |
| 2.25 | | | | | 8.1 | 1.6 | |
| 2.50 | | | | | 8.2 | 1.6 | |
| 2.75 | | | | | 8.2 | 2.6 | |
| 3.00 | | | | | 7.7 | 2.0 | |
| 3.25 | | | | | 7.8 | 2.0 | |
| 3.50 | | | | | 7.9 | 2.0 | |
| 3.75 | | | | | 7.8 | 6.8 | |

Notes:

Project: SEA

Site: 797

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

501106 mE
501000 mE

7060804 mN
7060616 mN

Described By: Malcolm, D (Don)

Date: 30-Jul-1998

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: No record
Element: levee
Permeability: No record
Microrelief Component: No record
Slope: 1 %

Classifications:

ASC: Sulfidic, Redoxic, HYDROSOL
GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| A1 | 0.00 to 0.20 | Very dark grey (10YR31) moist; very few <2% fine <5mm distinct orange mottles; light clay; weak 2-5mm granular structure; very few <2% fine <2mm manganiferous soft segregations; |
| B21 | 0.20 to 1.50 | Greyish brown (10YR52) moist; many 20-50% medium 5-15mm distinct orange mottles; light medium clay; weak 2-5mm subangular blocky structure; |
| 2B21i | 1.50 to 1.80 | Grey (2.5Y51) moist; common 10-20% medium 5-15mm distinct orange mottles; fine sandy light clay; massive structure; |
| 3C1u | 1.80 to 3.50 | Dark grey (2.5Y41) moist; silty light clay; massive structure; |
| 4C1u | 3.50 to 3.80 | Dark grey (2.5Y41) moist; clayey sand; massive structure; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 5.8 | 5.1 | |
| 0.30 | | | | | 7.8 | 4.0 | |
| 0.60 | | | | | 7.6 | 5.8 | |
| 0.80 | | | | | 7.5 | 6.0 | |
| 1.00 | | | | | 7.3 | 6.0 | |
| 1.25 | | | | | 7.3 | 6.1 | |
| 1.50 | | | | | 7.5 | 3.9 | |
| 1.75 | | | | | 6.2 | 2.4 | |
| 2.00 | | | | | 7.1 | 1.3 | |
| 2.25 | | | | | 7.1 | 1.9 | |
| 2.50 | | | | | 7.4 | 1.6 | |
| 2.75 | | | | | 7.6 | 1.3 | |
| 3.00 | | | | | 7.5 | 1.3 | |
| 3.25 | | | | | 7.6 | 1.5 | |
| 3.50 | | | | | 7.5 | 1.4 | |
| 3.75 | | | | | 7.5 | 1.4 | |

Notes:

Project: SEA **Site:** 798

Soil Name: No record

Location: GDA 94 ZONE 56 500506 mE 7060088 mN
Location: AGD 84 ZONE 56 500400 mE 7059900 mN

Described By: Malcolm, D (Don)

Date: 30-Jul-1998

Landscape:

Geology: No record

Substrate Lithology: No record

Landform Pattern: alluvial plain

Element: plain

Runoff: No record

Permeability: No record

Microrelief: No record

Microrelief Component: No record

Drainage: No record

Slope: No record

Surface Coarse Fragments: No record

Surface Condition: firm

Classifications:

ASC: Redoxic, HYDROSOL

GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| A1 | 0.00 to 0.20 | Very dark greyish brown (10YR32) moist; light clay; moderate 2-5mm granular structure; |
| B21 | 0.20 to 0.70 | Grey (10YR51) moist; common 10-20% medium 5-15mm distinct red, common 10-20% medium 5-15mm distinct orange mottles; light medium clay; few 2-10% angular gravel medium pebbles 6-20mm; massive structure; |
| B22 | 0.70 to 2.00 | Grey (2.5Y51) moist; few 2-10% medium 5-15mm distinct orange mottles; medium clay; massive structure; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 5.3 | 4.6 | |
| 0.30 | | | | | 5.8 | 4.8 | |
| 0.60 | | | | | 5.6 | 4.5 | |
| 0.80 | | | | | 5.7 | 4.8 | |
| 1.00 | | | | | 6.2 | 4.7 | |
| 1.25 | | | | | 6.1 | 4.9 | |
| 1.50 | | | | | 6.2 | 4.9 | |
| 1.75 | | | | | 6.1 | 5.6 | |
| 2.00 | | | | | 6.5 | 5.4 | |

Notes:

Project: SEA

Site: 799

Soil Name: No record

Location: GDA 94 ZONE 56 505606 mE 7074044 mN
Location: AGD 84 ZONE 56 505500 mE 7073856 mN

Described By: Malcolm, D (Don)

Date: 10-Aug-1998

Landscape:

Geology: No record

Substrate Lithology: No record

Landform Pattern: alluvial plain

Element: swamp

Runoff: No record

Permeability: No record

Microrelief: No record

Microrelief Component: No record

Drainage: No record

Slope: No record

Surface Coarse Fragments: No record

Surface Condition: No record

Classifications:

ASC: Oxyaquic, HYDROSOL

GSG: No record

PPF: No record

Vegetation:

Tallest Stratum: Tree, 12.01-20m, mid-dense

Species: Melaleuca quinquenervia (swamp paperbark, paper-barked tea-tree, broad-leaved tea-tree)

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| A11 | 0.00 to 0.20 | Black (10YR20) moist; fine sandy clay loam; weak structure; |
| A12 | 0.20 to 0.50 | Very dark grey (10YR31) moist; fine sandy light clay; massive structure; |
| 2B2 | 0.50 to 0.70 | Light grey (10YR71) moist; sand; single grain structure; |
| 3B2i | 0.70 to 1.30 | Grey (2.5Y51) moist; few 2-10% medium 5-15mm distinct orange mottles; sandy light clay; common 10-20% angular shell medium pebbles 6-20mm; massive structure; |
| 4D1 | 1.30 to 1.75 | Grey (2.5Y61) moist; silty medium heavy clay; massive structure; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 6.0 | 5.0 | |
| 0.30 | | | | | 6.5 | 5.2 | |
| 0.60 | | | | | 6.5 | 5.7 | |
| 0.80 | | | | | 6.9 | 6.1 | |
| 1.00 | | | | | 6.9 | 6.0 | |
| 1.25 | | | | | 7.2 | 3.1 | |
| 1.50 | | | | | 7.5 | 5.7 | |
| 1.75 | | | | | 7.6 | 5.8 | |

Notes:

Site Edge of Lake Weyba in stand of Melaleuca Quinquenervia Understory sedges and Phragmites

Project: SEA **Site:** 800

Soil Name: No record

Location: GDA 94 ZONE 56 505806 mE 7073734 mN
Location: AGD 84 ZONE 56 505700 mE 7073546 mN

Described By: Malcolm, D (Don)

Date: 10-Aug-1998

Landscape:

Geology: No record

Landform Pattern: alluvial plain

Runoff: No record

Microrelief: No record

Drainage: No record

Surface Coarse Fragments: No record

Surface Condition: firm

Substrate Lithology: No record

Element: plain

Permeability: No record

Microrelief Component: No record

Slope: No record

Classifications:

ASC: Redoxic, HYDROSOL

GSG: No record

PPF: No record

Vegetation:

Tallest Stratum: Tree, 12.01-20m, sparse

Species: Melaleuca quinquenervia (swamp paperbark, paper-barked tea-tree, broad-leaved tea-tree)

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| A1 | 0.00 to 0.20 | Very dark grey (10YR31) moist; fine sandy light clay; moderate 2-5mm granular structure; |
| B21 | 0.20 to 0.40 | Grey (10YR51) moist; few 2-10% medium 5-15mm distinct orange mottles; fine sandy light clay; massive structure; |
| B22 | 0.40 to 0.80 | Grey (10YR61) moist; common 10-20% medium 5-15mm distinct orange mottles; sandy medium clay; massive structure; |
| B3 | 0.80 to 1.00 | Light grey (10YR71) moist; many 20-50% coarse 15-30mm distinct orange, many 20-50% coarse 15-30mm distinct red mottles; sandy medium heavy clay; massive structure; common 10-20% medium 2-6mm ferruginous nodules; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 5.5 | 4.2 | |
| 0.30 | | | | | 6.4 | 4.5 | |
| 0.60 | | | | | 5.9 | 4.6 | |
| 0.80 | | | | | 5.8 | 4.2 | |
| 1.00 | | | | | 5.2 | 4.5 | |

Notes:

Vegetation Veg also includes blue gum teriticornus and Lophestemon suaveolens

Project: SEA **Site:** 801

Soil Name: No record

Location: GDA 94 ZONE 56 508006 mE 7073388 mN
Location: AGD 84 ZONE 56 507900 mE 7073200 mN

Described By: Malcolm, D (Don)

Date: 10-Aug-1998

Landscape:

Geology: No record

Landform Pattern: alluvial plain

Runoff: No record

Microrelief: No record

Drainage: No record

Surface Coarse Fragments: No record

Surface Condition: No record

Substrate Lithology: No record

Element: swamp

Permeability: No record

Microrelief Component: No record

Slope: No record

Classifications:

ASC: Sulfidic, Redoxic, HYDROSOL

GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| A1 | 0.00 to 0.20 | Very dark grey (10YR31) moist; clay loam; weak 2-5mm granular structure; |
| 2B21 | 0.20 to 0.50 | Grey (10YR51) moist; very few <2% medium 5-15mm distinct orange mottles; sandy light clay; massive structure; |
| 2C1u | 0.50 to 1.70 | Dark grey (2.5Y41) moist; sandy light clay; massive structure; |
| 3B2h | 1.70 to 2.00 | Black (10YR20) moist; loamy sand; massive structure; moderately cemented continuous massive organic pan; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 5.5 | 4.7 | |
| 0.30 | | | | | 6.0 | 4.8 | |
| 0.60 | | | | | 6.7 | 1.3 | |
| 0.80 | | | | | 6.8 | 1.0 | |
| 1.00 | | | | | 6.9 | 1.2 | |
| 1.25 | | | | | 6.6 | 1.1 | |
| 1.50 | | | | | 6.6 | 1.0 | |
| 1.75 | | | | | 6.4 | 1.0 | |
| 2.00 | | | | | 6.2 | 2.6 | |

Notes:

Project: SEA

Site: 802

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56 498827 mE
ZONE 56 498721 mE

7060814 mN
7060626 mN

Described By: Manders, JA

Date: 14-Aug-1998

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: No record
Element: plain
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: Grey, DERMOSOL

GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| A1p | 0.00 to 0.10 | Dark greyish brown (10YR42) moist; heavy light clay; |
| A2p | 0.10 to 0.30 | Grey (5Y51) moist; common 10-20% medium 5-15mm distinct orange mottles; medium clay; |
| B2 | 0.30 to 0.60 | Dark grey (5Y41) moist; many 20-50% coarse 15-30mm distinct orange mottles; medium clay; |
| 2B21 | 0.60 to 1.80 | Dark grey (5Y41) moist; few 2-10% medium 5-15mm distinct brown mottles; light medium clay; |
| 2B22 | 1.80 to 3.30 | Grey (5Y51) moist; common 10-20% coarse 15-30mm distinct brown mottles; light medium clay; |
| 2B23 | 3.30 to 3.70 | Greenish grey (10Y61) moist; few 2-10% medium 5-15mm distinct red, few 2-10% medium 5-15mm distinct brown mottles; light medium clay; |
| 2B24 | 3.70 to 4.00 | Greenish grey (10Y61) moist; common 10-20% medium 5-15mm distinct orange mottles; light medium clay; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 5.0 | 2.9 | |
| 0.30 | | | | | 5.3 | 2.9 | |
| 0.60 | | | | | 5.7 | 3.0 | |
| 0.80 | | | | | 5.5 | 3.0 | |
| 1.00 | | | | | 5.4 | 2.8 | |
| 1.25 | | | | | 4.8 | 3.3 | |
| 1.50 | | | | | 4.7 | 3.1 | |
| 1.75 | | | | | 4.9 | 3.2 | |
| 2.00 | | | | | 5.3 | 3.6 | |
| 2.25 | | | | | 5.2 | 4.7 | |
| 2.50 | | | | | 5.1 | 4.1 | |
| 2.75 | | | | | 5.3 | 4.4 | |
| 3.00 | | | | | 5.4 | 4.2 | |
| 3.25 | | | | | 5.2 | 4.6 | |
| 3.50 | | | | | 5.5 | 5.0 | |
| 3.75 | | | | | 6.1 | 5.6 | |
| 4.00 | | | | | 5.9 | 5.4 | |

Notes:

Project: SEA

Site: 803

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

500328 mE
500222 mE

7060296 mN
7060108 mN

Described By: Manders, JA

Date: 14-Aug-1998

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: No record
Element: plain
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: Sulfidic, Redoxic, HYDROSOL
GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| A11 | 0.00 to 0.20 | Very dark greyish brown (10YR32) moist; light clay; moderate 2-5mm granular structure; |
| B21 | 0.20 to 0.40 | Very dark greyish brown (10YR32) moist; few 2-10% medium 5-15mm faint orange mottles; light medium clay; moderate 2-5mm subangular blocky structure; |
| B22 | 0.40 to 0.90 | Very dark grey (10YR31) moist; common 10-20% medium 5-15mm distinct yellow mottles; heavy medium clay; moderate 2-5mm subangular blocky structure; |
| 2C1 | 0.90 to 1.20 | Dark grey (10YR41) moist; sandy light clay; massive structure; |
| 2C2 | 1.20 to 1.40 | Very dark greyish brown (10YR32) moist; medium clay; |
| 4D1 | 1.40 to 1.90 | Grey (N60) moist; few 2-10% medium 5-15mm distinct yellow mottles; medium clay; |
| 4D2 | 1.90 to 2.50 | Greenish grey (5GY61) moist; common 10-20% medium 5-15mm distinct red, few 2-10% medium 5-15mm distinct orange, very few <2% medium 5-15mm distinct yellow mottles; medium clay; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.6 | 3.1 | |
| 0.30 | | | | | 5.2 | 3.1 | |
| 0.60 | | | | | 4.5 | 3.1 | |
| 0.80 | | | | | 4.5 | 3.2 | |
| 1.00 | | | | | 4.3 | 3.0 | |
| 1.25 | | | | | 4.0 | 2.9 | |
| 1.40 | | | | | 4.2 | 1.0 | |
| 1.75 | | | | | 4.4 | 3.4 | |
| 2.00 | | | | | 4.5 | 3.0 | |
| 2.25 | | | | | 4.6 | 3.1 | |
| 2.50 | | | | | 5.2 | 3.6 | |

Notes:

Vegetation Sugar cane. Original vegetation casuarina glauca

Project: SEA

Site: 804

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

504530 mE
504424 mE

7068455 mN
7068267 mN

Described By: Manders, JA

Date: 14-Aug-1998

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: No record
Element: plain
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: Redoxic, HYDROSOL
GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| A11 | 0.00 to 0.20 | Very dark grey (10YR31) moist; light clay; moist when sampled; |
| A12 | 0.20 to 0.45 | Very dark grey (10YR31) moist; very few <2% medium 5-15mm faint orange mottles; heavy light clay; moist when sampled; |
| B21 | 0.45 to 0.70 | Grey (10YR51) moist; common 10-20% medium 5-15mm faint orange mottles; medium clay; |
| B22 | 0.70 to 1.10 | Greenish grey (10Y61) moist; medium clay; |
| B3 | 1.10 to 1.25 | Greenish grey (10Y61) moist; very few <2% medium 5-15mm faint brown mottles; light clay; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 7.0 | 4.0 | |
| 0.30 | | | | | 7.8 | 3.9 | |
| 0.60 | | | | | 7.6 | 5.6 | |
| 0.80 | | | | | 7.5 | 5.8 | |
| 1.00 | | | | | 7.3 | 6.0 | |
| 1.25 | | | | | 7.4 | 5.9 | |

Notes:

Project: SEA

Site: 822

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

510383 mE
510277 mE

7046449 mN
7046261 mN

Described By: Malcolm, D (Don)

Date: 01-Dec-1998

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: soft

Substrate Lithology: No record
Element: plain
Permeability: No record
Microrelief Component: No record
Slope: 0.5 %

Classifications:

ASC: Sulfidic, Supratidal, HYDROSOL
GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| A11p | 0.00 to 0.10 | Black (10YR21) moist; very few <2% fine <5mm faint orange mottles; fibric light clay; weak 2-5mm granular structure; |
| A12 | 0.10 to 0.20 | Very dark grey (10YR31) moist; very few <2% fine <5mm faint orange mottles; light clay; massive structure; |
| B21 | 0.20 to 0.60 | Dark grey (10YR41) moist; common 10-20% medium 5-15mm distinct orange mottles; silty light clay; massive structure; |
| 2C1u | 0.60 to 1.10 | Very dark grey (2.5Y31) moist; silty light clay; massive structure; |
| 2C2u | 1.10 to 2.20 | Dark grey (2.5Y41) moist; silty light clay; massive structure; |
| 3C1u | 2.20 to 2.50 | Grey (10YR51) moist; silty light clay; massive structure; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.7 | 2.8 | |
| 0.30 | | | | | 4.1 | 2.9 | |
| 0.60 | | | | | 4.6 | 3.2 | |
| 0.80 | | | | | 4.1 | 3.1 | |
| 1.00 | | | | | 3.9 | 1.2 | |
| 1.25 | | | | | 4.1 | 1.3 | |
| 1.50 | | | | | 4.1 | 1.6 | |
| 1.75 | | | | | 4.3 | 1.4 | |
| 2.00 | | | | | 4.6 | 1.2 | |
| 2.25 | | | | | 4.4 | 1.4 | |
| 2.50 | | | | | 4.9 | 1.9 | |

Notes:

Project: SEA **Site:** 831

Soil Name: No record

Location: GDA 94 ZONE 56 508673 mE 7053667 mN
Location: AGD 84 ZONE 56 508567 mE 7053479 mN

Described By: Malcolm, D (Don)

Date: 03-Dec-1998

Landscape:

Geology: No record

Substrate Lithology: No record

Landform Pattern: tidal flat

Element: supratidal flat

Runoff: No record

Permeability: No record

Microrelief: No record

Microrelief Component: No record

Drainage: No record

Slope: 0.5 %

Surface Coarse Fragments: No record

Surface Condition: firm

Classifications:

ASC: Sulfidic, Supratidal, HYDROSOL

GSG: No record

PPF: No record

Vegetation:

Tallest Stratum: Hummock grass, 3.01-6m, mid-dense

Species: Casuarina species; Sporobolus virginicus (sand couch, marine couch)

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| A1 | 0.00 to 0.10 | Black (10YR21) moist; sandy clay loam; massive structure; |
| B21 | 0.10 to 0.20 | Very dark greyish brown (10YR32) moist; sandy light clay; single grain structure; |
| 2B2i | 0.20 to 0.50 | Light brownish grey (10YR62) moist; very few <2% fine <5mm faint orange mottles; sand; single grain structure; |
| 2C1u | 0.50 to 0.70 | Greyish brown (10YR52) moist; sand; single grain structure; |
| 3C1u | 0.70 to 2.00 | Dark grey (2.5Y41) moist; sand; single grain structure; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 6.0 | 4.6 | |
| 0.30 | | | | | 7.2 | 5.0 | |
| 0.60 | | | | | 6.9 | 4.5 | |
| 0.80 | | | | | 6.7 | 1.5 | |
| 1.00 | | | | | 6.6 | 1.7 | |
| 1.25 | | | | | 6.2 | 1.6 | |
| 1.50 | | | | | 6.3 | 1.8 | |
| 1.75 | | | | | 6.1 | 2.0 | |
| 2.00 | | | | | 6.0 | 1.9 | |

Notes:

Location Just off Nojoor Rd adjacent to Maroochy river salt couch

Project: SEA

Site: 832

Soil Name: No record

Location: GDA 94

ZONE 56

507906 mE

7056831 mN

Location: AGD 84

ZONE 56

507800 mE

7056643 mN

Described By: Malcolm, D (Don)

Date: 03-Dec-1998

Landscape:

Geology: No record

Substrate Lithology: No record

Landform Pattern: No record

Element: plain

Runoff: No record

Permeability: No record

Microrelief: No record

Microrelief Component: No record

Drainage: No record

Slope: 0.5 %

Surface Coarse Fragments: No record

Surface Condition: firm

Classifications:

ASC: Humic, Aquic, PODOSOL

GSG: No record

PPF: No record

Vegetation:

Tallest Stratum: Tree, 12.01-20m, mid-dense

Species: Melaleuca quinquenervia (swamp paperbark, paper-barked tea-tree, broad-leaved tea-tree)

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| A11 | 0.00 to 0.20 | Black (10YR21) moist; sandy loam; massive structure; |
| A12 | 0.20 to 0.50 | Dark greyish brown (10YR42) moist; few 2-10% medium 5-15mm distinct orange mottles; loamy sand; single grain structure; |
| A2e | 0.50 to 0.80 | Light grey (10YR71) moist; few 2-10% medium 5-15mm distinct orange mottles; sand; single grain structure; |
| B2hs | 0.80 to 1.00 | Very dark grey (10YR31) moist; sand; single grain structure; |
| B22h | 1.00 to 1.20 | Black (10YR20) moist; loamy sand; massive structure; weakly cemented continuous massive organic pan; |

Field Tests:

No Record

Notes:

Project: SEA

Site: 880

Soil Name: No record

| | | | | |
|------------------|--------|----------------|-----------|------------|
| Location: | GDA 94 | ZONE 56 | 499894 mE | 7059736 mN |
| Location: | AGD 84 | ZONE 56 | 499788 mE | 7059548 mN |

Described By: Adams, J (Justin)

Date: 19-Feb-1999

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: No record
Element: plain
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: Grey, KANDOSOL
GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|----------------|------------------|---|
| A11 | 0.00 to 0.15 | Dark brown (10YR33) moist; silty clay loam; weak 2-5mm granular structure; moderately moist when sampled; clear to; |
| A12 | 0.15 to 0.35 | Brown (10YR43) moist; very few <2% fine <5mm distinct orange mottles; silty light clay; weak 2-5mm granular structure; moderately moist when sampled; clear to; |
| B21 | 0.35 to 0.90 | Olive brown (2.5Y44) moist; common 10-20% medium 5-15mm distinct orange mottles; silty light clay; weak 2-5mm granular structure; moist when sampled; clear to; |
| 2B2 | 0.90 to 1.20 | Dark greyish brown (2.5Y42) moist; common 10-20% coarse 15-30mm distinct orange mottles; heavy fine sandy light clay; weak 2-5mm subangular blocky structure; moist when sampled; clear to; |
| 3B2 | 1.20 to 1.70 | Grey (5Y51) moist; many 20-50% coarse 15-30mm prominent orange mottles; medium clay; massive structure; moist when sampled; clear to; |
| 4B2 | 1.70 to 2.30 | Dark grey (5Y41) moist; coarse sandy light medium clay; strong structure; moist when sampled; abrupt to; |
| 5C1 | 2.30 to 2.40 | Dark grey (5Y41) moist; coarse sand; few 2-10% angular quartz medium pebbles 6-20mm; strong structure; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|------------------|------------------|-------------------|-------------|-------------|-------------|-------------|--|
| 0.10 | | | | | 4.2 | 3.4 | |
| 0.30 | | | | | 4.6 | 3.6 | |
| 0.60 | | | | | 4.8 | 3.6 | |
| 0.80 | | | | | 4.4 | 3.5 | |
| 1.00 | | | | | 4.2 | 3.6 | |
| 1.25 | | | | | 4.3 | 3.3 | |
| 1.50 | | | | | 4.4 | 3.6 | |
| 1.75 | | | | | 4.5 | 3.1 | |
| 2.00 | | | | | 4.7 | 3.4 | |
| 2.25 | | | | | 4.9 | 2.4 | |

Notes:

Location Adjacent to Yandina/Bli Bli Road near large drain (n-s)

Project: SEA

Site: 881

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

497562 mE
497456 mE

7061799 mN
7061611 mN

Described By: Adams, J (Justin)

Date: 19-Feb-1999

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: No record
Element: plain
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: Grey, KANDOSOL
GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| A11 | 0.00 to 0.15 | Very dark greyish brown (10YR32) moist; fine sandy clay loam; weak 2-5mm granular structure; moderately moist when sampled; gradual to; |
| A12 | 0.15 to 0.50 | Dark brown (10YR33) moist; fine sandy light clay; weak 2-5mm granular structure; moderately moist when sampled; gradual to; |
| B21 | 0.50 to 1.00 | Very dark greyish brown (10YR32) moist; very few <2% fine <5mm distinct orange mottles; light clay; massive structure; moderately moist when sampled; clear to; |
| 2B21 | 1.00 to 1.20 | Very dark greyish brown (2.5Y32) moist; common 10-20% fine <5mm distinct orange mottles; fine sandy light clay; massive structure; moderately moist when sampled; gradual to; |
| 3C1 | 1.20 to 1.30 | Dark brown (10YR33) moist; sandy clay loam; massive structure; moderately moist when sampled; gradual to; |
| 4C2 | 1.30 to 1.50 | Dark olive brown (2.5Y33) moist; clayey sand; few 2-10% angular quartz medium pebbles 6-20mm; massive structure; moist when sampled; clear to; |
| 5C3 | 1.50 to 1.80 | Dark greyish brown (2.5Y43) moist; coarse sand; abundant 50-90% angular quartz large pebbles 20-60mm; massive structure; moist when sampled; |
| 6C4 | 1.80 to 1.90 | Coarse sand; abundant 50-90% subrounded gravel cobbles 60-200mm; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 5.6 | 4.1 | |
| 0.30 | | | | | 5.5 | 3.9 | |
| 0.60 | | | | | 5.2 | 3.4 | |
| 0.80 | | | | | 5.1 | 2.9 | |
| 1.00 | | | | | 5.3 | 3.4 | |
| 1.25 | | | | | 5.3 | 4.0 | |
| 1.50 | | | | | 5.2 | 4.2 | |
| 1.75 | | | | | 5.3 | 4.4 | |

Notes:

Project: SEA

Site: 884

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

500399 mE
500293 mE

7060856 mN
7060668 mN

Described By: Adams, J (Justin)

Date: 24-Feb-1999

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: No record
Element: plain
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: Grey, KANDOSOL
GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| A11 | 0.00 to 0.35 | Very dark grey (10YR31) moist; light clay; weak 2-5mm granular structure; moderately moist when sampled; gradual to; |
| B21 | 0.35 to 0.70 | Dark greyish brown (10YR42) moist; few 2-10% medium 5-15mm distinct orange, very few <2% fine <5mm faint pale mottles; silty light medium clay; massive structure; moderately moist when sampled; gradual to; |
| B22i | 0.70 to 1.10 | Greyish brown (2.5Y52) moist; common 10-20% medium 5-15mm distinct orange mottles; medium clay; massive structure; moderately moist when sampled; clear to; |
| 2B2 | 1.10 to 1.50 | Greyish brown (2.5Y52) moist; common 10-20% coarse 15-30mm distinct orange mottles; sandy light medium clay; massive structure; moist when sampled; gradual to; |
| 3B2 | 1.50 to 2.00 | Greyish brown (2.5Y52) moist; common 10-20% coarse 15-30mm distinct orange mottles; sandy light clay; massive structure; few 2-10% medium 2-6mm ferruginous nodules; moist when sampled; clear to; |
| 4C1u | 2.00 to 3.00 | Very dark grey (N30) moist; silty light clay; massive structure; moist when sampled; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.3 | 2.8 | |
| 0.30 | | | | | 4.6 | 1.8 | |
| 0.60 | | | | | 5.2 | 3.4 | |
| 0.80 | | | | | 6.3 | 2.9 | |
| 1.00 | | | | | 5.4 | 3.2 | |
| 1.25 | | | | | 5.4 | 3.1 | |
| 1.50 | | | | | 4.3 | 3.2 | |
| 1.75 | | | | | 3.9 | 3.3 | |
| 2.00 | | | | | 4.6 | 2.1 | |
| 2.25 | | | | | 4.9 | 1.8 | |
| 2.50 | | | | | 5.1 | 1.9 | |
| 2.75 | | | | | 5.2 | 1.7 | |
| 3.00 | | | | | 5.5 | 1.9 | |

Notes:

Project: SEA

Site: 885

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56 498789 mE
ZONE 56 498683 mE

7061335 mN
7061147 mN

Described By: Adams, J (Justin)

Date: 24-Feb-1999

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: No record
Element: plain
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: Sulfidic, Oxyaquic, HYDROSOL

GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| A11 | 0.00 to 0.40 | Very dark greyish brown (10YR32) moist; very few <2% fine <5mm distinct orange mottles; silty light clay; weak 2-5mm granular structure; moderately moist when sampled; gradual to; |
| A12 | 0.40 to 0.50 | Very dark greyish brown (10YR32) moist; very few <2% medium 5-15mm distinct orange mottles; light medium clay; weak 2-5mm granular structure; moderately moist when sampled; gradual to; |
| B21 | 0.50 to 0.65 | Dark grey (10YR41) moist; very few <2% fine <5mm distinct orange mottles; medium clay; massive structure; moderately moist when sampled; gradual to; |
| 2C1 | 0.65 to 1.00 | Very dark grey (10YR31) moist; fine sandy light clay; massive structure; moderately moist when sampled; clear to; |
| 3C2u | 1.00 to 2.30 | Dark grey (5Y41) moist; sandy clay loam; massive structure; wet when sampled; gradual to; |
| 4C3u | 2.30 to 2.50 | Dark grey (5Y41) moist; silty light clay; massive structure; wet when sampled; gradual to; |
| 5C4 | 2.50 to 4.00 | Dark grey (5Y41) moist; sandy clay loam; massive structure; wet when sampled; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.8 | 3.0 | |
| 0.30 | | | | | 4.8 | 3.5 | |
| 0.60 | | | | | 5.3 | 3.6 | |
| 0.80 | | | | | 5.4 | 2.9 | |
| 1.00 | | | | | 5.1 | 1.8 | |
| 1.25 | | | | | 5.0 | 1.9 | |
| 1.50 | | | | | 5.2 | 1.8 | |
| 1.75 | | | | | 5.4 | 1.7 | |
| 2.00 | | | | | 5.6 | 1.7 | |
| 2.25 | | | | | 5.7 | 1.6 | |
| 2.50 | | | | | 5.8 | 1.9 | |
| 2.75 | | | | | 5.8 | 1.6 | |
| 3.00 | | | | | 5.9 | 1.6 | |
| 3.25 | | | | | 6.1 | 1.7 | |
| 3.50 | | | | | 6.2 | 1.9 | |
| 3.75 | | | | | 5.8 | 1.8 | |
| 4.00 | | | | | 6.2 | 1.7 | |

Notes:

Project: SEA

Site: 886

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

498645 mE
498539 mE

7061343 mN
7061155 mN

Described By: Adams, J (Justin)

Date: 24-Feb-1999

Landscape:

Geology: No record

Landform Pattern: alluvial plain

Runoff: No record

Microrelief: No record

Drainage: No record

Surface Coarse Fragments: No record

Surface Condition: No record

Substrate Lithology: No record

Element: plain

Permeability: No record

Microrelief Component: No record

Slope: No record

Classifications:

ASC: Sulfidic, Oxyaquic, HYDROSOL

GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

Not Recorded

Field Tests:

No Record

Notes:

Project: SEA

Site: 888

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

505034 mE
504928 mE

7069395 mN
7069207 mN

Described By: Adams, J (Justin)

Date: 25-Feb-1999

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: No record
Element: plain
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: Grey, KANDOSOL
GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| A11 | 0.00 to 0.20 | Very dark greyish brown (10YR32) moist; light clay; weak 2-5mm granular structure; moderately moist when sampled; gradual to; |
| A12 | 0.20 to 0.80 | Very dark greyish brown (10YR32) moist; very few <2% fine <5mm distinct orange, very few <2% fine <5mm faint yellow mottles; heavy light clay; weak structure; moderately moist when sampled; clear to; |
| B21 | 0.80 to 1.20 | Dark greyish brown (10YR42) moist; few 2-10% medium 5-15mm distinct orange mottles; medium clay; massive structure; moderately moist when sampled; gradual to; |
| B22 | 1.20 to 1.80 | Grey (10YR61) moist; common 10-20% coarse 15-30mm distinct orange, very few <2% fine <5mm faint yellow mottles; medium heavy clay; massive structure; moderately moist when sampled; clear to; |
| B23 | 1.80 to 2.00 | Grey (10YR51) moist; few 2-10% fine <5mm faint yellow, few 2-10% medium 5-15mm distinct orange mottles; medium heavy clay; massive structure; moist when sampled; gradual to; |
| B24 | 2.00 to 2.20 | Grey (10YR51) moist; very few <2% medium 5-15mm faint orange mottles; sandy medium heavy clay; massive structure; moist when sampled; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.9 | 3.8 | |
| 0.30 | | | | | 5.6 | 4.3 | |
| 0.60 | | | | | 5.2 | 4.5 | |
| 0.80 | | | | | 6.3 | 4.3 | |
| 1.00 | | | | | 5.0 | 3.5 | |
| 1.25 | | | | | 4.6 | 3.8 | |
| 1.50 | | | | | 4.8 | 4.2 | |
| 1.75 | | | | | 4.8 | 3.9 | |
| 2.00 | | | | | 4.9 | 4.1 | |

Notes:

Project: SEA

Site: 889

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

504659 mE
504553 mE

7069945 mN
7069757 mN

Described By: Adams, J (Justin)

Date: 25-Feb-1999

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: No record
Element: plain
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: Grey, KANDOSOL
GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| A11 | 0.00 to 0.10 | Dark greyish brown (10YR42) moist; fine sandy light clay; weak 2-5mm granular structure; moderately moist when sampled; gradual to; |
| A21 | 0.10 to 0.40 | Brown (10YR53) moist; few 2-10% medium 5-15mm distinct orange mottles; heavy light clay; massive structure; moderately moist when sampled; gradual to; |
| B21 | 0.40 to 0.70 | Dark greyish brown (10YR42) moist; common 10-20% medium 5-15mm distinct orange mottles; heavy light clay; massive structure; moderately moist when sampled; clear to; |
| 2B21 | 0.70 to 1.00 | Grey (10YR61) moist; many 20-50% coarse 15-30mm prominent orange mottles; light fine sandy light medium clay; massive structure; moderately moist when sampled; gradual to; |
| 2B22 | 1.00 to 1.20 | Grey (2.5Y61) moist; few 2-10% medium 5-15mm distinct red, few 2-10% medium 5-15mm distinct orange mottles; fine sandy light medium clay; massive structure; moist when sampled; gradual to; |
| 2B23 | 1.20 to 1.70 | Grey (10YR61) moist; few 2-10% coarse 15-30mm distinct red, common 10-20% medium 5-15mm distinct orange mottles; sandy light medium clay; massive structure; moist when sampled; gradual to; |
| 2B24 | 1.70 to 2.20 | Grey (2.5Y61) moist; sandy medium clay; massive structure; moist when sampled; gradual to; |
| 2B25 | 2.20 to 3.00 | Grey (2.5Y61) moist; sandy medium clay; massive structure; moist when sampled; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.9 | 3.8 | |
| 0.30 | | | | | 5.3 | 3.6 | |
| 0.60 | | | | | 4.8 | 3.7 | |
| 0.80 | | | | | 4.9 | 3.7 | |
| 1.00 | | | | | 5.1 | 3.7 | |
| 1.25 | | | | | 4.9 | 4.4 | |
| 1.50 | | | | | 5.1 | 4.5 | |
| 1.75 | | | | | 5.3 | 4.6 | |
| 2.00 | | | | | 5.3 | 4.3 | |
| 2.25 | | | | | 5.1 | 4.0 | |
| 2.50 | | | | | 4.9 | 4.2 | |
| 2.75 | | | | | 5.2 | 4.2 | |
| 3.00 | | | | | 5.1 | 4.4 | |

Notes:

Project: SEA

Site: 891

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

498344 mE
498238 mE

7061875 mN
7061687 mN

Described By: Adams, J (Justin)

Date: 09-Mar-1999

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: No record
Element: plain
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: Sulfidic, Redoxic, HYDROSOL
GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| Ap | 0.00 to 0.20 | Brown (10YR43) moist; light clay; moderate 5-10mm granular structure; moist when sampled; gradual to; |
| B21 | 0.20 to 1.00 | Dark greyish brown (2.5Y42) moist; many 20-50% coarse 15-30mm prominent orange mottles; medium clay; moderately moist when sampled; gradual to; |
| B22 | 1.00 to 1.50 | Greyish brown (2.5Y52) moist; common 10-20% medium 5-15mm distinct orange mottles; medium clay; moderately moist when sampled; gradual to; |
| B23 | 1.50 to 1.70 | Light olive grey (5Y62) moist; common 10-20% coarse 15-30mm prominent orange, few 2-10% medium 5-15mm distinct dark mottles; medium clay; wet when sampled; gradual to; |
| B24 | 1.70 to 2.00 | Very few <2% medium 5-15mm distinct orange mottles; medium clay; wet when sampled; sharp to; |
| 2C1u | 2.00 to 2.30 | Greyish brown (2.5Y52) moist; fibric silty light clay; wet when sampled; sharp to; |
| 2C2u | 2.30 to 3.00 | Dark grey (2.5Y41) moist; fibric silty light clay; wet when sampled; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.4 | 3.8 | |
| 0.30 | | | | | 4.4 | 3.6 | |
| 0.60 | | | | | 4.4 | 3.4 | |
| 0.80 | | | | | 4.4 | 3.2 | |
| 1.00 | | | | | 4.3 | 2.9 | |
| 1.25 | | | | | 4.5 | 2.7 | |
| 1.50 | | | | | 4.3 | 3.0 | |
| 1.75 | | | | | 4.7 | 2.4 | |
| 2.00 | | | | | 4.5 | 2.8 | |
| 2.25 | | | | | 4.6 | 0.7 | |
| 2.50 | | | | | 4.9 | 0.7 | |
| 2.75 | | | | | 4.9 | 1.4 | |
| 3.00 | | | | | 5.0 | 1.5 | |

Notes:

Project: SEA

Site: 892

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

499893 mE
499787 mE

7061042 mN
7060854 mN

Described By: Adams, J (Justin)

Date: 09-Mar-1999

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: No record
Element: plain
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: Sulfidic, Oxyaquic, HYDROSOL
GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| Ap | 0.00 to 0.15 | Very dark greyish brown (10YR32) moist; light clay; gradual to; |
| A12 | 0.15 to 0.45 | Brown (10YR53) moist; heavy light clay; gradual to; |
| A13 | 0.45 to 0.70 | Yellowish brown (10YR54) moist; very few <2% fine <5mm faint orange mottles; heavy light clay; clear to; |
| B21 | 0.70 to 1.30 | Grey (10YR61) moist; common 10-20% medium 5-15mm distinct orange mottles; sandy light clay; very few <2% angular gravel small pebbles 2-6mm; clear to; |
| 2C1u | 1.30 to 1.50 | Dark grey (10YR41) moist; silty light clay; clear to; |
| 2C2u | 1.50 to 4.20 | Dark greenish grey (5GY31) moist; fibric silty light clay; clear to; |
| 2C3u | 4.20 to 5.00 | Dark greenish grey (5GY31) moist; light clay; clear to; |
| 2C4u | 5.00 to 5.70 | Dark greenish grey (5GY31) moist; sandy light clay; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 5.0 | 3.2 | |
| 0.30 | | | | | 5.5 | 3.0 | |
| 0.60 | | | | | 5.0 | 3.2 | |
| 0.80 | | | | | 4.9 | 2.6 | |
| 1.00 | | | | | 4.9 | 3.4 | |
| 1.25 | | | | | 4.7 | 2.7 | |
| 1.50 | | | | | 5.3 | 1.8 | |
| 1.75 | | | | | 5.6 | 1.4 | |
| 2.00 | | | | | 6.1 | 1.3 | |
| 2.25 | | | | | 6.5 | 1.6 | |
| 2.50 | | | | | 6.9 | 1.6 | |
| 2.75 | | | | | 7.1 | 1.6 | |
| 3.00 | | | | | 7.1 | 1.3 | |
| 3.25 | | | | | 7.0 | 1.3 | |
| 3.50 | | | | | 7.2 | 1.2 | |
| 3.75 | | | | | 7.1 | 0.8 | |
| 4.00 | | | | | 7.2 | 0.9 | |
| 4.25 | | | | | 8.0 | 0.8 | |
| 4.50 | | | | | 8.1 | 1.4 | |
| 4.75 | | | | | 7.8 | 1.6 | |
| 5.00 | | | | | 7.9 | 1.7 | |
| 5.25 | | | | | 7.2 | 6.1 | |
| 5.50 | | | | | 7.6 | 6.2 | |
| 5.70 | | | | | 7.8 | 6.0 | |

Notes:

Project: SEA **Site:** 901

Soil Name: No record

Location: GDA 94 **ZONE** 56 507358 mE 7061828 mN
Location: AGD 84 **ZONE** 56 507252 mE 7061640 mN

Described By: Adams, J (Justin)

Date: 17-Mar-1999

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: No record
Element: plain
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: Sulfidic, Oxyaquic, HYDROSOL

GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| A11 | 0.00 to 0.10 | Very dark grey (10YR31) moist; fibric sandy loam; common 10-20% subangular gravel small pebbles 2-6mm; massive structure; wet when sampled; gradual to; |
| A12 | 0.10 to 0.20 | Dark greyish brown (10YR42) moist; fibric sandy loam; common 10-20% angular gravel small pebbles 2-6mm; wet when sampled; gradual to; |
| B21 | 0.20 to 0.50 | Very dark grey (10YR31) moist; light clay; moist when sampled; clear to; |
| 2C1u | 0.50 to 0.80 | Grey (2.5Y51) moist; silty light clay; massive structure; moist when sampled; gradual to; |
| 2C2u | 0.80 to 1.50 | Grey (2.5Y51) moist; silty light clay; massive structure; moist when sampled; gradual to; |
| 3C3u | 1.50 to 3.00 | Dark grey (5Y41) moist; silty light clay; massive structure; moist when sampled; diffuse to; |
| 4C4u | 3.00 to 3.25 | Dark grey (5Y41) moist; light clay; massive structure; moist when sampled; clear to; |
| 5C5u | 3.25 to 3.70 | Dark grey (2.5Y41) moist; sandy clay loam; strong structure; moist when sampled; clear to; |
| 6D1 | 3.70 to 4.00 | Light grey (2.5Y71) moist; common 10-20% coarse 15-30mm distinct orange mottles; sandy light clay; massive structure; moist when sampled; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 6.3 | 2.7 | |
| 0.30 | | | | | 6.0 | 1.7 | |
| 0.60 | | | | | 5.4 | 1.5 | |
| 0.80 | | | | | 6.3 | 2.6 | |
| 1.00 | | | | | 6.1 | 2.4 | |
| 1.25 | | | | | 6.0 | 2.5 | |
| 1.50 | | | | | 5.4 | 1.6 | |
| 1.75 | | | | | 5.7 | 1.9 | |
| 2.00 | | | | | 5.7 | 1.5 | |
| 3.25 | | | | | 5.2 | 1.1 | |
| 3.50 | | | | | 4.5 | 1.0 | |
| 3.75 | | | | | 4.2 | 1.6 | |
| 4.00 | | | | | 4.3 | 1.4 | |

Notes:

Location Off Sunshine Motorway, near Mountain View Drive overpass

Project: SEA

Site: 902

Soil Name: No record

Location: GDA 94

ZONE 56

506165 mE

7066018 mN

Location: AGD 84

ZONE 56

506059 mE

7065830 mN

Described By: Adams, J (Justin)

Date: 18-Mar-1999

Landscape:

Geology: No record

Landform Pattern: alluvial plain

Runoff: No record

Microrelief: No record

Drainage: No record

Surface Coarse Fragments: No record

Surface Condition: No record

Substrate Lithology: No record

Element: plain

Permeability: No record

Microrelief Component: No record

Slope: 0.5 %

Classifications:

ASC: Sesquic, Semiaquic, PODOSOL

GSG: No record

PPF: No record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| A11 | 0.00 to 0.10 | Black (10YR21) moist; light fine sandy light clay; wet when sampled; gradual to; |
| A12 | 0.10 to 0.25 | Black (10YR21) moist; very few <2% fine <5mm faint orange mottles; fine sandy clay loam; moist when sampled; clear to; |
| 2B2 | 0.25 to 0.40 | Very dark greyish brown (10YR32) moist; few 2-10% fine <5mm faint orange mottles; clayey sand; single grain structure; moist when sampled; gradual to; |
| 3B2hs | 0.40 to 0.60 | Dark grey (10YR41) moist; common 10-20% medium 5-15mm distinct orange mottles; sand; single grain structure; moist when sampled; gradual to; |
| 4B21 | 0.60 to 0.90 | Light grey (10YR71) moist; very few <2% fine <5mm distinct brown mottles; coarse sand; single grain structure; moist when sampled; gradual to; |
| 4B22 | 0.90 to 1.50 | Dark yellowish brown (10YR34) moist; coarse sand; single grain structure; moist when sampled; gradual to; |
| 4B23s | 1.50 to 1.85 | Brown (10YR43) moist; coarse sand; single grain structure; moist when sampled; clear to; |
| 5C1 | 1.85 to 3.00 | Greyish brown (10YR52) moist; coarse sand; single grain structure; moist when sampled; diffuse to; |
| 6C2 | 3.00 to 3.70 | Dark greyish brown (10YR42) moist; coarse sand; single grain structure; moist when sampled; gradual to; |
| 6C3 | 3.70 to 4.20 | Dark greyish brown (10YR42) moist; coarse sand; few 2-10% angular gravel large pebbles 20-60mm; single grain structure; moist when sampled; clear to; |
| 6C4 | 4.20 to 4.70 | Dark greyish brown (10YR42) moist; coarse sand; many 20-50% angular gravel medium pebbles 6-20mm; single grain structure; moist when sampled; abrupt to; |
| 6C5 | 4.70 to 5.00 | Dark grey (10YR41) moist; coarse sand; abundant 50-90% angular gravel medium pebbles 6-20mm; single grain structure; moist when sampled; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 5.3 | 2.9 | |
| 0.30 | | | | | 5.0 | 4.0 | |
| 0.60 | | | | | 5.4 | 4.8 | |
| 0.80 | | | | | 5.4 | 4.8 | |
| 1.00 | | | | | 5.2 | 4.6 | |
| 1.25 | | | | | 5.1 | 4.8 | |
| 1.50 | | | | | 5.4 | 2.9 | |
| 1.75 | | | | | 5.4 | 4.2 | |
| 2.00 | | | | | 5.3 | 2.1 | |
| 2.25 | | | | | 5.2 | 1.9 | |
| 2.50 | | | | | 5.3 | 1.6 | |
| 2.75 | | | | | 5.3 | 2.0 | |
| 3.00 | | | | | 5.1 | 3.0 | |
| 3.25 | | | | | 5.4 | 1.9 | |
| 3.50 | | | | | 5.3 | 1.9 | |
| 3.75 | | | | | 5.4 | 1.9 | |
| 4.00 | | | | | 5.6 | 1.9 | |
| 4.25 | | | | | 5.7 | 1.3 | |
| 4.50 | | | | | 5.8 | 1.3 | |
| 4.75 | | | | | 5.9 | 1.5 | |
| 5.00 | | | | | 5.6 | 1.8 | |

Project: SEA

Site: 905

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56 512440 mE
ZONE 56 512334 mE

7043155 mN
7042967 mN

Described By: Adams, J (Justin)

Date: 18-Mar-1999

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: No record
Element: plain
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: Aquic, PODOSOL

GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| A11 | 0.00 to 0.10 | Dark grey (10YR41) moist; sand; single grain structure; moderately moist when sampled; clear to; |
| A12 | 0.10 to 0.20 | Very dark grey (2.5Y31) moist; sand; single grain structure; moderately moist when sampled; clear to; |
| A13 | 0.20 to 0.30 | Redish black (2.5YR2.51) moist; sand; single grain structure; moist when sampled; abrupt to; |
| A14 | 0.30 to 0.45 | Very dark grey (10YR31) moist; sand; single grain structure; moist when sampled; gradual to; |
| A21e | 0.45 to 0.75 | Light brownish grey (10YR62) moist; sand; single grain structure; moist when sampled; gradual to; |
| A22e | 0.75 to 0.95 | Light grey (10YR72) moist; sand; single grain structure; moist when sampled; sharp to; |
| B2h | 0.95 to 1.50 | Black (10YR21) moist; sand; massive structure; moderately cemented continuous massive fragipan; moist when sampled; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.9 | 4.0 | |
| 0.30 | | | | | 4.4 | 3.2 | |
| 0.60 | | | | | 4.6 | 4.0 | |
| 0.80 | | | | | 4.0 | 3.4 | |
| 1.00 | | | | | 4.6 | 3.6 | |
| 1.25 | | | | | 5.4 | 3.4 | |
| 1.50 | | | | | 5.4 | 3.1 | |

Notes:

Location Back of Kawana sports complex
Site Coffee rock at 0.95m

Project: SEA

Site: 920

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

505249 mE
505143 mE

7065020 mN
7064832 mN

Described By: Adams, J (Justin)

Date: 05-May-1999

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: No record
Element: plain
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: HYDROSOL
GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| A11 | 0.00 to 0.40 | Very dark grey (10YR31) moist; fine sandy clay loam; weak 2-5mm granular structure; abrupt to; |
| B21 | 0.40 to 0.60 | Dark grey (10YR41) moist; common 10-20% medium 5-15mm distinct orange, few 2-10% coarse 15-30mm distinct dark mottles; sandy clay loam; massive structure; gradual to; |
| B3 | 0.60 to 0.80 | Light grey (10YR71) moist; common 10-20% coarse 15-30mm distinct orange mottles; sand; single grain structure; gradual to; |
| C1 | 0.80 to 1.40 | Light grey (10YR71) moist; sand; single grain structure; gradual to; |
| 2C2u | 1.40 to 2.00 | Dark grey (5Y41) moist; few 2-10% medium 5-15mm distinct orange mottles; silty light clay; massive structure; gradual to; |
| 2C3u | 2.00 to 2.95 | Dark greenish grey (5GY41) moist; silty light clay; massive structure; gradual to; |
| 3C3u | 2.95 to 3.60 | Dark greenish grey (5GY41) moist; silty light clay; common 10-20% angular shell medium pebbles 6-20mm; massive structure; abrupt to; |
| 4C4 | 3.60 to 3.70 | Dark grey (5Y41) moist; fibric silty light clay; massive structure; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 5.4 | 4.2 | |
| 0.30 | | | | | 5.0 | 3.9 | |
| 0.60 | | | | | 4.5 | 3.8 | |
| 0.80 | | | | | 4.7 | 4.0 | |
| 1.00 | | | | | 5.1 | 4.4 | |
| 1.25 | | | | | 5.5 | 3.9 | |
| 1.50 | | | | | 5.5 | 1.3 | |
| 1.75 | | | | | 4.8 | 3.4 | |
| 2.00 | | | | | 5.9 | 1.9 | |
| 2.25 | | | | | 5.5 | 1.9 | |
| 2.50 | | | | | 5.3 | 2.0 | |
| 2.75 | | | | | 6.3 | 1.8 | |
| 3.00 | | | | | 6.6 | 1.7 | |
| 3.25 | | | | | 6.9 | 1.7 | |
| 3.50 | | | | | 6.9 | 1.4 | |
| 3.70 | | | | | 6.9 | 1.0 | |

Notes:

Site Hand Augered to 1.5, gouge to 3.7m

Project: SEA

Site: 921

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

505671 mE
505565 mE

7065336 mN
7065148 mN

Described By: Adams, J (Justin)

Date: 05-May-1999

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: No record
Element: plain
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: Oxyaquic, HYDROSOL

GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| A11 | 0.00 to 0.10 | Very dark grey (10YR31) moist; sandy clay loam; weak 2-5mm granular structure; |
| A12 | 0.10 to 0.20 | Very dark grey (10YR31) moist; few 2-10% medium 5-15mm distinct grey mottles; sand; single grain structure; |
| C1 | 0.20 to 0.30 | White (10YR81) moist; sand; single grain structure; |
| C2 | 0.30 to 0.80 | White (10YR81) moist; sand; single grain structure; |
| 2C3u | 0.80 to 1.00 | Grey (10YR51) moist; sandy clay loam; single grain structure; |
| 3C4u | 1.00 to 1.30 | Dark grey (5Y41) moist; clay loam, sandy; single grain structure; |
| 4C5u | 1.30 to 1.60 | Dark grey (5Y41) moist; sandy light clay; single grain structure; |
| 5B2h | 1.60 to 2.00 | Very dark grey (10YR31) moist; sand; massive structure; weakly cemented continuous massive organic pan; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 6.0 | 5.0 | |
| 0.30 | | | | | 6.8 | 5.6 | |
| 0.60 | | | | | 6.8 | 5.5 | |
| 0.80 | | | | | 6.5 | 5.4 | |
| 1.00 | | | | | 4.5 | 2.6 | |
| 1.25 | | | | | 5.4 | 1.5 | |
| 1.50 | | | | | 5.0 | 1.8 | |
| 1.75 | | | | | 5.2 | 0.9 | |
| 2.00 | | | | | 5.8 | 2.5 | |

Notes:

Project: SEA **Site:** 924

Soil Name: No record

Location: GDA 94 ZONE 56 512316 mE 7045888 mN
Location: AGD 84 ZONE 56 512200 mE 7045700 mN

Described By: Malcolm, D (Don)

Date: 12-May-1999

Landscape:

Geology: No record

Substrate Lithology: No record

Landform Pattern: No record

Element: No record

Runoff: No record

Permeability: No record

Microrelief: No record

Microrelief Component: No record

Drainage: No record

Slope: No record

Surface Coarse Fragments: No record

Surface Condition: No record

Classifications:

ASC: Oxyaquic, HYDROSOL

GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|---------------|--|
| | 0.00 to 1.00 | Sand; single grain structure; |
| | 1.00 to 3.00 | Loamy sand; massive structure; moderately cemented continuous massive organic pan; |
| | 3.00 to 5.00 | Sand; single grain structure; |
| | 5.00 to 6.00 | Loamy sand; massive structure; weakly cemented continuous massive organic pan; |
| | 6.00 to 9.00 | Medium heavy clay; massive structure; |
| | 9.00 to 11.00 | Sandy loam; single grain structure; |
| | 11.0 to 13.0 | Sandy light medium clay; massive structure; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 7.50 | | | | | 5.6 | 4.3 | |
| 9.30 | | | | | 5.0 | 3.0 | |
| 10.30 | | | | | 4.0 | 1.3 | |
| 11.00 | | | | | 6.0 | 3.7 | |
| 12.00 | | | | | 4.8 | 2.7 | |
| 12.50 | | | | | 6.7 | 6.3 | |

Notes:

Site Canal excavation at Parreara Channel

Project: SEA

Site: 926

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

511383 mE
511277 mE

7040563 mN
7040375 mN

Described By: Malcolm, D (Don)

Date: 25-May-1999

Landscape:

Geology: No record
Landform Pattern: beach ridge plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: No record
Element: plain
Permeability: No record
Microrelief Component: No record
Slope: 1 %

Classifications:

ASC: Humic, Aquic, PODOSOL
GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| A11 | 0.00 to 0.15 | Very dark greyish brown (10YR32) moist; common 10-20% medium 5-15mm distinct orange mottles; loamy sand; single grain structure; gradual to; |
| A12 | 0.15 to 0.50 | Dark grey (10YR41) moist; sand; single grain structure; gradual to; |
| A21 | 0.50 to 0.75 | Light brownish grey (10YR62) moist; very few <2% medium 5-15mm distinct orange mottles; sand; single grain structure; clear to; |
| B2h | 0.75 to 1.30 | Black (10YR21) moist; sand; single grain structure; moderately cemented continuous massive organic pan; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.1 | 3.5 | |
| 0.30 | | | | | 4.2 | 3.9 | |
| 0.60 | | | | | 4.8 | 4.4 | |
| 0.80 | | | | | 4.9 | 4.2 | |
| 1.00 | | | | | 4.9 | 3.5 | |
| 1.25 | | | | | 4.9 | 3.9 | |

Notes:

Project: SEA

Site: 927

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

511619 mE
511513 mE

7040910 mN
7040722 mN

Described By: Malcolm, D (Don)

Date: 25-May-1999

Landscape:

Geology: No record
Landform Pattern: beach ridge plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: No record
Element: drainage depression
Permeability: No record
Microrelief Component: No record
Slope: 0.5 %

Classifications:

ASC: Sulfidic, Redoxic, HYDROSOL
GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| A11 | 0.00 to 0.10 | Black (10YR21) moist; few 2-10% medium 5-15mm distinct orange mottles; fine sandy light clay; weak 2-5mm granular structure; |
| A12 | 0.10 to 0.40 | Black (10YR21) moist; very few <2% fine <5mm distinct orange mottles; fine sandy light clay; weak 2-5mm granular structure; |
| B21 | 0.40 to 1.00 | Dark grey (10YR41) moist; very few <2% fine <5mm distinct orange mottles; fine sandy light clay; massive structure; |
| 2B21 | 1.00 to 1.50 | Very dark greyish brown (10YR32) moist; common 10-20% medium 5-15mm distinct orange mottles; sand; single grain structure; |
| 2B22 | 1.50 to 2.80 | Greyish brown (10YR52) moist; few 2-10% medium 5-15mm faint brown mottles; sand; single grain structure; |
| 3C1 | 2.80 to 3.20 | Dark greyish brown (2.5Y42) moist; clayey sand; massive structure; gradual to; |
| 4C2 | 3.20 to 3.80 | Olive brown (2.5Y44) moist; sand; single grain structure; |
| 5C3u | 3.80 to 4.30 | Dark grey (2.5Y41) moist; silty light clay; massive structure; |
| 6C4u | 4.30 to 5.00 | Dark grey (5Y41) moist; sandy light clay; massive structure; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.5 | 3.0 | |
| 0.30 | | | | | 4.6 | 3.6 | |
| 0.60 | | | | | 5.0 | 4.0 | |
| 0.80 | | | | | 4.8 | 4.3 | |
| 1.00 | | | | | 5.0 | 3.9 | |
| 1.25 | | | | | 5.0 | 4.1 | |
| 1.50 | | | | | 5.0 | 3.4 | |
| 1.75 | | | | | 5.1 | 2.9 | |
| 2.00 | | | | | 5.2 | 3.3 | |
| 2.25 | | | | | 5.3 | 1.7 | |
| 2.50 | | | | | 5.4 | 1.8 | |
| 2.75 | | | | | 5.4 | 2.0 | |
| 3.00 | | | | | 5.4 | 1.9 | |
| 3.25 | | | | | 5.1 | 3.0 | |
| 3.50 | | | | | 5.3 | 2.6 | |
| 3.75 | | | | | 5.6 | 1.6 | |
| 4.00 | | | | | 5.7 | 1.4 | |
| 4.25 | | | | | 5.5 | 1.4 | |
| 4.50 | | | | | 5.9 | 1.4 | |
| 4.75 | | | | | 6.2 | 1.6 | |
| 5.00 | | | | | 6.4 | 2.2 | |

Notes:

Project: SEA **Site:** 928

Soil Name: No record

Location: GDA 94 ZONE 56 511790 mE 7040851 mN
Location: AGD 84 ZONE 56 511684 mE 7040663 mN

Described By: Adams, J (Justin)

Date: 25-May-1999

Landscape:

Geology: No record

Landform Pattern: beach ridge plain

Runoff: No record

Microrelief: No record

Drainage: No record

Surface Coarse Fragments: No record

Surface Condition: No record

Substrate Lithology: No record

Element: plain

Permeability: No record

Microrelief Component: No record

Slope: 0.5 %

Classifications:

ASC: Aquic, PODOSOL

GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| A11 | 0.00 to 0.20 | Dark grey (10YR41) moist; sandy loam; massive structure; |
| A12 | 0.20 to 0.40 | Greyish brown (10YR52) moist; clayey sand; single grain structure; |
| A21 | 0.40 to 0.60 | Very pale brown (10YR73) moist; sand; single grain structure; |
| A22e | 0.60 to 0.90 | White (10YR81) moist; sand; single grain structure; |
| B21h | 0.90 to 1.00 | Black (10YR21) moist; sandy loam; massive structure; moderately cemented continuous massive organic pan; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.7 | 3.1 | |
| 0.30 | | | | | 5.4 | 4.7 | |
| 0.60 | | | | | 5.3 | 5.0 | |
| 0.80 | | | | | 5.2 | 4.7 | |
| 1.00 | | | | | 5.2 | 3.6 | |

Notes:

Project: SEA

Site: 929

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

511535 mE
511429 mE

7040620 mN
7040432 mN

Described By: Adams, J (Justin)

Date: 26-May-1999

Landscape:

Geology: No record
Landform Pattern: beach ridge plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: No record
Element: drainage depression
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: Aquic, PODOSOL
GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| A11 | 0.00 to 0.10 | Black (10YR21) moist; fibric silty loam; massive structure; gradual to; |
| A12 | 0.10 to 0.40 | Black (7.5YR21) moist; silty clay loam; massive structure; abrupt to; |
| B21 | 0.40 to 0.90 | Dark grey (10YR41) moist; sand; single grain structure; gradual to; |
| B22h | 0.90 to 1.00 | Very dark grey (10YR31) moist; sand; single grain structure; moderately cemented continuous massive organic pan; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.3 | 3.4 | |
| 0.30 | | | | | 5.4 | 3.8 | |
| 0.60 | | | | | 4.8 | 4.0 | |
| 0.80 | | | | | 4.8 | 4.0 | |
| 1.00 | | | | | 4.8 | 3.9 | |

Notes:

Location In drain depression

Project: SEA **Site:** 930

Soil Name: No record

Location: GDA 94 ZONE 56 512045 mE 7041166 mN
Location: AGD 84 ZONE 56 511939 mE 7040978 mN

Described By: Adams, J (Justin)

Date: 26-May-1999

Landscape:

Geology: No record

Landform Pattern: beach ridge plain

Runoff: No record

Microrelief: No record

Drainage: No record

Surface Coarse Fragments: No record

Surface Condition: No record

Substrate Lithology: No record

Element: drainage depression

Permeability: No record

Microrelief Component: No record

Slope: No record

Classifications:

ASC: Aquic, PODOSOL

GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| A11 | 0.00 to 0.30 | Very dark grey (10YR31) moist; sand; single grain structure; gradual to; |
| A12 | 0.30 to 0.50 | Dark grey (10YR41) moist; sand; single grain structure; gradual to; |
| B21 | 0.50 to 1.00 | Grey (10YR61) moist; sand; single grain structure; |
| B2h | 1.00 to 1.10 | Loamy sand; moderately cemented continuous massive organic pan; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.0 | 3.0 | |
| 0.30 | | | | | 4.0 | 3.1 | |
| 0.60 | | | | | 4.3 | 3.0 | |
| 0.80 | | | | | 4.4 | 3.2 | |
| 1.00 | | | | | 4.1 | 3.2 | |

Notes:

Project: SEA **Site:** 931

Soil Name: No record

Location: GDA 94 **ZONE 56** 511899 mE 7041553 mN
Location: AGD 84 **ZONE 56** 511793 mE 7041365 mN

Described By: Adams, J (Justin)

Date: 26-May-1999

Landscape:

Geology: No record

Landform Pattern: beach ridge plain

Runoff: No record

Microrelief: No record

Drainage: No record

Surface Coarse Fragments: No record

Surface Condition: No record

Substrate Lithology: No record

Element: drainage depression

Permeability: No record

Microrelief Component: No record

Slope: No record

Classifications:

ASC: Aquic, PODOSOL

GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| A1 | 0.00 to 0.30 | Greyish brown (10YR52) moist; sand; single grain structure; gradual to; |
| A21 | 0.30 to 1.20 | Very pale brown (10YR74) moist; sand; single grain structure; clear to; |
| A22e | 1.20 to 1.35 | Light grey (10YR72) moist; few 2-10% fine <5mm distinct orange mottles; sand; single grain structure; clear to; |
| B21hs | 1.35 to 1.50 | Brown (10YR53) moist; sand; single grain structure; abrupt to; |
| B22h | 1.50 to 1.90 | Black (10YR21) moist; sand; single grain structure; weakly cemented continuous massive organic pan; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.7 | 4.2 | |
| 0.30 | | | | | 5.1 | 4.2 | |
| 0.60 | | | | | 5.2 | 4.0 | |
| 0.80 | | | | | 5.4 | 4.1 | |
| 1.00 | | | | | 5.1 | 4.0 | |
| 1.25 | | | | | 5.5 | 3.9 | |
| 1.50 | | | | | 5.2 | 3.4 | |
| 1.75 | | | | | 5.7 | 3.4 | |

Notes:

Project: SEA

Site: 932

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

511648 mE
511542 mE

7041575 mN
7041387 mN

Described By: Malcolm, D (Don)

Date: 26-May-1999

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: No record
Element: drainage depression
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: Aquic, PODOSOL

GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| A1 | 0.00 to 0.20 | Very dark grey (10YR31) moist; clay loam; weak structure; |
| A3 | 0.20 to 0.50 | Dark grey (10YR41) moist; sandy light clay; massive structure; |
| A21 | 0.50 to 0.90 | Grey (10YR61) moist; few 2-10% medium 5-15mm faint orange mottles; sandy clay loam; massive structure; |
| A22 | 0.90 to 1.30 | Grey (10YR61) moist; sand; single grain structure; |
| B21h | 1.30 to 1.40 | Black (10YR21) moist; loamy sand; massive structure; moderately cemented continuous massive organic pan; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.9 | 4.0 | |
| 0.30 | | | | | 4.5 | 3.8 | |
| 0.60 | | | | | 4.4 | 3.6 | |
| 0.80 | | | | | 4.3 | 3.5 | |
| 1.00 | | | | | 4.4 | 3.4 | |
| 1.25 | | | | | 4.2 | 3.7 | |
| 1.40 | | | | | 4.2 | 3.1 | |

Notes:

Project: SEA **Site:** 933

Soil Name: No record

Location: GDA 94 ZONE 56 511996 mE 7041688 mN
Location: AGD 84 ZONE 56 511890 mE 7041500 mN

Described By: Malcolm, D (Don)

Date: 27-May-1999

Landscape:

Geology: No record

Landform Pattern: beach ridge plain

Runoff: No record

Microrelief: No record

Drainage: No record

Surface Coarse Fragments: No record

Surface Condition: No record

Substrate Lithology: No record

Element: plain

Permeability: No record

Microrelief Component: No record

Slope: 1 %

Classifications:

ASC: Aquic, PODOSOL

GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| A11 | 0.00 to 0.10 | Dark grey (10YR41) moist; loamy sand; massive structure; |
| B21s | 0.10 to 0.40 | Yellowish brown (10YR54) moist; common 10-20% medium 5-15mm distinct orange mottles; sand; single grain structure; |
| B22s | 0.40 to 0.65 | Yellowish brown (10YR58) moist; sand; single grain structure; gradual to; |
| 2A21e | 0.65 to 0.90 | Light grey (10YR72) moist; sand; single grain structure; gradual to; |
| 2A22 | 0.90 to 1.30 | Greyish brown (10YR52) moist; sand; very few <2% angular quartz small pebbles 2-6mm; single grain structure; clear to; |
| 2B21h | 1.30 to 1.60 | Black (10YR21) moist; loamy sand; massive structure; strongly cemented continuous massive organic pan; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.7 | 2.8 | |
| 0.30 | | | | | 5.1 | 3.9 | |
| 0.60 | | | | | 5.3 | 4.0 | |
| 0.80 | | | | | 5.1 | 4.0 | |
| 1.00 | | | | | 5.1 | 4.2 | |
| 1.25 | | | | | 5.4 | 4.0 | |
| 1.50 | | | | | 5.6 | 2.4 | |

Notes:

Project: SEA **Site:** 934

Soil Name: No record

Location: GDA 94 ZONE 56 511999 mE 7041895 mN
Location: AGD 84 ZONE 56 511893 mE 7041707 mN

Described By: Malcolm, D (Don)

Date: 27-May-1999

Landscape:

Geology: No record

Landform Pattern: beach ridge plain

Runoff: No record

Microrelief: No record

Drainage: No record

Surface Coarse Fragments: No record

Surface Condition: No record

Substrate Lithology: No record

Element: drainage depression

Permeability: No record

Microrelief Component: No record

Slope: 0.5 %

Classifications:

ASC: Sulfidic, Oxyaquic, HYDROSOL

GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| A11 | 0.00 to 0.20 | Black (10YR21) moist; fine sandy clay loam; weak 2-5mm granular structure; |
| A12 | 0.20 to 0.40 | Very dark grey (10YR31) moist; fine sandy light clay; massive structure; |
| B21 | 0.40 to 0.90 | Dark grey (10YR41) moist; few 2-10% medium 5-15mm distinct orange mottles; fine sandy light medium clay; massive structure; |
| B22 | 0.90 to 1.20 | Dark greyish brown (10YR42) moist; sandy light clay; massive structure; |
| 2C1u | 1.20 to 1.50 | Dark grey (10YR41) moist; clayey sand; single grain structure; |
| 2C2u | 1.50 to 2.40 | Grey (10YR61) moist; sand; single grain structure; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.1 | 3.0 | |
| 0.30 | | | | | 5.1 | 3.4 | |
| 0.60 | | | | | 4.5 | 3.3 | |
| 0.80 | | | | | 4.4 | 3.0 | |
| 1.00 | | | | | 4.5 | 3.0 | |
| 1.25 | | | | | 4.4 | 2.6 | |
| 1.50 | | | | | 4.8 | 1.3 | |
| 1.75 | | | | | 4.8 | 1.6 | |
| 2.00 | | | | | 4.8 | 1.7 | |
| 2.25 | | | | | 4.9 | 1.6 | |

Notes:

Project: SEA **Site:** 935

Soil Name: No record

Location: GDA 94 ZONE 56 511656 mE 7041428 mN
Location: AGD 84 ZONE 56 511550 mE 7041240 mN

Described By: Malcolm, D (Don)

Date: 27-May-1999

Landscape:

Geology: No record

Landform Pattern: beach ridge plain

Runoff: No record

Microrelief: No record

Drainage: No record

Surface Coarse Fragments: No record

Surface Condition: No record

Substrate Lithology: No record

Element: drainage depression

Permeability: No record

Microrelief Component: No record

Slope: No record

Classifications:

ASC: Aquic, PODOSOL

GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| A11 | 0.00 to 0.10 | Very dark grey (10YR31) moist; sandy loam; weak structure; |
| A12 | 0.10 to 0.40 | Dark grey (10YR41) moist; sandy loam; weak structure; |
| A2e | 0.40 to 1.00 | Light brownish grey (10YR62) moist; few 2-10% medium 5-15mm distinct orange mottles; sand; single grain structure; |
| B21h | 1.00 to 1.20 | Black (10YR21) moist; loamy sand; massive structure; moderately cemented continuous massive organic pan; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.4 | 3.5 | |
| 0.30 | | | | | 5.1 | 3.4 | |
| 0.60 | | | | | 5.7 | 4.4 | |
| 0.80 | | | | | 5.7 | 4.0 | |
| 1.00 | | | | | 5.6 | 4.0 | |
| 1.20 | | | | | 5.8 | 4.0 | |

Notes:

Project: SEA **Site:** 936

Soil Name: No record

Location: GDA 94 ZONE 56 511624 mE 7041228 mN
Location: AGD 84 ZONE 56 511518 mE 7041040 mN

Described By: Malcolm, D (Don)

Date: 27-May-1999

Landscape:

Geology: No record

Landform Pattern: beach ridge plain

Runoff: No record

Microrelief: No record

Drainage: No record

Surface Coarse Fragments: No record

Surface Condition: No record

Substrate Lithology: No record

Element: drainage depression

Permeability: No record

Microrelief Component: No record

Slope: 0.5 %

Classifications:

ASC: Aquic, PODOSOL

GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| A11 | 0.00 to 0.10 | Very dark grey (10YR31) moist; sandy clay loam; |
| A12 | 0.10 to 0.20 | Very dark grey (2.5Y31) moist; sandy light clay; |
| 2A21 | 0.20 to 0.40 | Dark grey (10YR41) moist; sand; single grain structure; |
| 2A22 | 0.40 to 0.70 | Greyish brown (10YR52) moist; sand; single grain structure; |
| 2B21h | 0.70 to 0.90 | Very dark grey (10YR31) moist; sand; single grain structure; weakly cemented continuous massive organic pan; |
| 2B22h | 0.90 to 1.30 | Black (10YR21) moist; loamy sand; massive structure; weakly cemented continuous massive organic pan; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.7 | 4.0 | |
| 0.30 | | | | | 5.6 | 4.5 | |
| 0.60 | | | | | 5.5 | 4.4 | |
| 0.80 | | | | | 5.6 | 3.6 | |
| 1.00 | | | | | 5.5 | 3.1 | |
| 1.25 | | | | | 5.8 | 3.7 | |

Notes:

Project: SEA

Site: 941

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

511320 mE
511214 mE

7041322 mN
7041134 mN

Described By: Malcolm, D (Don)

Date: 02-Jun-1999

Landscape:

Geology: No record
Landform Pattern: beach ridge plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: No record
Element: plain
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: Humic, Aquic, PODOSOL
GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| A11 | 0.00 to 0.15 | Black (10YR21) moist; heavy fine sandy clay loam; massive structure; |
| A12 | 0.15 to 0.40 | Very dark grey (10YR31) moist; fine sandy clay loam; massive structure; |
| A13 | 0.40 to 0.60 | Dark grey (10YR41) moist; loamy sand; single grain structure; |
| A2e | 0.60 to 0.80 | Light grey (10YR71) moist; very few <2% medium 5-15mm faint orange mottles; sand; single grain structure; diffuse to; |
| B21h | 0.80 to 0.90 | Black (10YR21) moist; loamy sand; massive structure; weakly cemented continuous massive organic pan; clear to; |
| B22h | 0.90 to 1.00 | Very dark brown (10YR22) moist; loamy sand; massive structure; moderately cemented continuous massive organic pan; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 5.2 | 4.2 | |
| 0.30 | | | | | 5.5 | 4.5 | |
| 0.60 | | | | | 5.9 | 4.6 | |
| 0.80 | | | | | 6.6 | 4.5 | |
| 1.00 | | | | | 5.5 | 3.9 | |

Notes:

Project: SEA **Site:** 942

Soil Name: No record

Location: GDA 94 ZONE 56 511402 mE 7041799 mN
Location: AGD 84 ZONE 56 511296 mE 7041611 mN

Described By: Malcolm, D (Don)

Date: 02-Jun-1999

Landscape:

Geology: No record

Landform Pattern: beach ridge plain

Runoff: No record

Microrelief: No record

Drainage: No record

Surface Coarse Fragments: No record

Surface Condition: No record

Substrate Lithology: No record

Element: plain

Permeability: No record

Microrelief Component: No record

Slope: No record

Classifications:

ASC: Humic, Aquic, PODOSOL

GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| A11 | 0.00 to 0.30 | Black (10YR21) moist; fine sandy clay loam; weak 2-5mm granular structure; |
| A12 | 0.30 to 0.70 | Dark grey (10YR41) moist; few 2-10% medium 5-15mm distinct orange mottles; loamy sand; single grain structure; |
| A21e | 0.70 to 1.50 | Light grey (10YR71) moist; sand; single grain structure; |
| B21hs | 1.50 to 1.90 | Dark grey (7.5YR41) moist; sand; single grain structure; |
| B22hs | 1.90 to 2.00 | Dark grey (10YR41) moist; sand; |
| B23h | 2.00 to 2.10 | Black (10YR21) moist; loamy sand; massive structure; moderately cemented continuous massive organic pan; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 5.0 | 3.1 | |
| 0.30 | | | | | 5.1 | 3.2 | |
| 0.60 | | | | | 4.6 | 3.7 | |
| 0.80 | | | | | 5.5 | 3.9 | |
| 1.00 | | | | | 5.6 | 4.2 | |
| 1.25 | | | | | 5.3 | 4.0 | |
| 1.50 | | | | | 6.2 | 4.2 | |
| 1.75 | | | | | 6.5 | 4.9 | |
| 2.00 | | | | | 5.7 | 1.8 | |

Notes:

Project: SEA **Site:** 943

Soil Name: No record

Location: GDA 94 ZONE 56 511417 mE 7041827 mN
Location: AGD 84 ZONE 56 511311 mE 7041639 mN

Described By: Malcolm, D (Don)

Date: 02-Jun-1999

Landscape:

Geology: No record

Landform Pattern: beach ridge plain

Runoff: No record

Microrelief: No record

Drainage: No record

Surface Coarse Fragments: No record

Surface Condition: No record

Substrate Lithology: No record

Element: drainage depression

Permeability: No record

Microrelief Component: No record

Slope: No record

Classifications:

ASC: Oxyaquic, HYDROSOL

GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| A1 | 0.00 to 0.10 | Black (10YR20) moist; fibric fine sandy light clay; weak 2-5mm granular structure; |
| C1 | 0.10 to 0.20 | Very dark grey (10YR31) moist; sand; single grain structure; |
| 2C2 | 0.20 to 0.30 | Black (10YR21) moist; fine sandy light clay; weak structure; |
| 3C3 | 0.30 to 0.40 | Light brownish grey (10YR62) moist; sand; single grain structure; |
| 4C4 | 0.40 to 0.50 | Dark grey (10YR41) moist; fine sandy light clay; massive structure; |
| 5B21h | 0.50 to 0.60 | Dark brown (7.5YR33) moist; loamy sand; massive structure; moderately cemented continuous massive organic pan; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 6.0 | 3.2 | |
| 0.20 | | | | | 5.7 | 3.5 | |
| 0.30 | | | | | 5.7 | 3.3 | |
| 0.40 | | | | | 5.6 | 3.6 | |
| 0.50 | | | | | 5.3 | 3.0 | |
| 0.60 | | | | | 4.8 | 4.0 | |

Notes:

Project: SEA

Site: 944

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

511301 mE
511195 mE

7040725 mN
7040537 mN

Described By: Malcolm, D (Don)

Date: 02-Jun-1999

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: No record
Element: terrace plain
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: Sulfidic, Redoxic, HYDROSOL
GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| A11 | 0.00 to 0.10 | Very dark greyish brown (10YR32) moist; sandy loam; weak structure; |
| A12 | 0.10 to 0.30 | Very dark grey (10YR31) moist; very few <2% medium 5-15mm distinct yellow mottles; sandy clay loam; weak structure; |
| B21ia | 0.30 to 0.50 | Grey (10YR51) moist; few 2-10% medium 5-15mm distinct yellow jarositic (from pyrite) mottles; clayey sand; single grain structure; |
| 2B22ia | 0.50 to 0.60 | Dark grey (10YR41) moist; few 2-10% medium 5-15mm distinct yellow jarositic (from pyrite) mottles; sandy light clay; massive structure; |
| 3B2 | 0.60 to 0.90 | Brownish yellow (10YR66) moist; clay loam; massive structure; |
| 4C1u | 0.90 to 3.40 | Dark grey (5Y41) moist; silty light clay; massive structure; |
| 5C2 | 3.40 to 3.70 | Grey (10YR51) moist; sand; single grain structure; |
| 6C3 | 3.70 to 3.90 | Dark grey (10YR41) moist; sandy light clay; single grain structure; |
| 6C4 | 3.90 to 4.50 | Dark grey (10YR41) moist; sandy light clay; single grain structure; |
| 7C5 | 4.50 to 4.75 | Dark grey (2.5Y41) moist; coarse sandy light clay; few 2-10% subangular quartz medium pebbles 6-20mm, very few <2% subangular quartz large pebbles 20-60mm; massive structure; |
| 8D1 | 4.75 to 5.00 | White (5Y81) moist; few 2-10% medium 5-15mm distinct brown mottles; silty medium clay; massive structure; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.2 | 3.0 | |
| 0.30 | | | | | 4.1 | 2.1 | |
| 0.60 | | | | | 4.3 | 3.2 | |
| 0.80 | | | | | 4.4 | 3.4 | |
| 1.00 | | | | | 5.0 | 1.4 | |
| 1.25 | | | | | 5.5 | 1.5 | |
| 1.50 | | | | | 5.8 | 1.5 | |
| 1.75 | | | | | 6.0 | 1.4 | |
| 2.00 | | | | | 6.3 | 1.3 | |
| 2.25 | | | | | 6.5 | 1.3 | |
| 2.50 | | | | | 6.4 | 1.3 | |
| 2.75 | | | | | 6.5 | 1.4 | |
| 3.00 | | | | | 6.4 | 1.5 | |
| 3.25 | | | | | 6.3 | 1.2 | |
| 3.50 | | | | | 6.4 | 0.8 | |
| 3.75 | | | | | 6.5 | 1.6 | |
| 4.00 | | | | | 6.6 | 1.4 | |
| 4.25 | | | | | 6.5 | 2.2 | |
| 4.50 | | | | | 6.4 | 1.3 | |
| 4.75 | | | | | 6.3 | 1.5 | |
| 5.00 | | | | | 6.3 | 1.6 | |

Notes:

Project: SEA

Site: 945

Soil Name: No record

Location: GDA 94 ZONE 56 511633 mE 7041852 mN
Location: AGD 84 ZONE 56 511527 mE 7041664 mN

Described By: Malcolm, D (Don)

Date: 02-Jun-1999

Landscape:

Geology: No record
Landform Pattern: No record
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: No record
Element: plain
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: Oxyaquic, HYDROSOL

GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| A11 | 0.00 to 0.20 | Black (10YR21) moist; fine sandy clay loam; weak 2-5mm granular structure; |
| A12 | 0.20 to 0.50 | Very dark grey (10YR31) moist; fine sandy light medium clay; weak 2-5mm granular structure; |
| B21i | 0.50 to 0.70 | Dark grey (10YR41) moist; very few <2% fine <5mm distinct yellow, few 2-10% medium 5-15mm distinct orange mottles; light medium clay; weak 2-5mm subangular blocky structure; |
| 2B21 | 0.70 to 0.90 | Dark grey (2.5Y41) moist; sandy light clay; massive structure; |
| 3C1 | 0.90 to 1.60 | Dark grey (2.5Y41) moist; sand; single grain structure; |
| 3C2 | 1.60 to 1.80 | Light brownish grey (10YR62) moist; sand; single grain structure; |
| 4B2h | 1.80 to 2.00 | Black (10YR21) moist; loamy sand; massive structure; moderately cemented continuous massive organic pan; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 5.7 | 4.0 | |
| 0.30 | | | | | 4.9 | 3.8 | |
| 0.60 | | | | | 5.1 | 3.4 | |
| 0.80 | | | | | 5.0 | 4.0 | |
| 1.00 | | | | | 5.0 | 4.0 | |
| 1.25 | | | | | 5.1 | 4.0 | |
| 1.50 | | | | | 4.9 | 4.1 | |
| 1.75 | | | | | 4.9 | 4.0 | |
| 2.00 | | | | | 5.4 | 2.7 | |

Notes:

Project: SEA

Site: 946

Soil Name: No record

Location: GDA 94

ZONE 56

511772 mE

7042621 mN

Location: AGD 84

ZONE 56

511666 mE

7042433 mN

Described By: Malcolm, D (Don)

Date: 03-Jun-1999

Landscape:

Geology: No record

Landform Pattern: alluvial plain

Runoff: No record

Microrelief: No record

Drainage: No record

Surface Coarse Fragments: No record

Surface Condition: No record

Substrate Lithology: No record

Element: plain

Permeability: No record

Microrelief Component: No record

Slope: No record

Classifications:

ASC: Oxyaquic, HYDROSOL

GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| A11 | 0.00 to 0.30 | Black (10YR21) moist; clay loam; moderate 2-5mm granular structure; |
| B21 | 0.30 to 0.60 | Dark grey (10YR41) moist; few 2-10% fine <5mm distinct orange mottles; fine sandy light clay; massive structure; |
| 2C1 | 0.60 to 0.70 | Grey (10YR51) moist; sand; single grain structure; |
| 2C2 | 0.70 to 1.30 | Light brownish grey (2.5Y62) moist; clayey sand; single grain structure; |
| 3C3 | 1.30 to 1.40 | Greyish brown (10YR52) moist; sandy light clay; massive structure; |
| 3C4u | 1.40 to 1.90 | Greyish brown (10YR52) moist; sandy light clay; massive structure; |
| 4C5u | 1.90 to 2.10 | Dark grey (2.5Y41) moist; sand; single grain structure; |
| 5C6u | 2.10 to 2.40 | Dark grey (5Y41) moist; sandy light clay; massive structure; |
| 6C7u | 2.40 to 3.00 | Dark grey (2.5Y41) moist; sand; single grain structure; |
| 7C8u | 3.00 to 3.50 | Dark grey (5Y41) moist; sandy light clay; massive structure; |
| 8C9u | 3.50 to 4.00 | Dark grey (5Y41) moist; silty light clay; massive structure; |
| 9C10u | 4.00 to 4.30 | Dark grey (2.5Y41) moist; coarse sand; common 10-20% angular quartz small pebbles 2-6mm; single grain structure; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.4 | 3.6 | |
| 0.30 | | | | | 4.6 | 3.5 | |
| 0.60 | | | | | 4.5 | 3.1 | |
| 0.80 | | | | | 4.6 | 2.9 | |
| 1.00 | | | | | 4.5 | 2.5 | |
| 1.25 | | | | | 4.2 | 2.6 | |
| 1.50 | | | | | 4.3 | 2.4 | |
| 1.75 | | | | | 4.2 | 1.0 | |
| 2.00 | | | | | 4.3 | 1.5 | |
| 2.25 | | | | | 4.7 | 1.4 | |
| 2.50 | | | | | 4.6 | 1.2 | |
| 2.75 | | | | | 4.8 | 1.5 | |
| 3.00 | | | | | 5.4 | 1.4 | |
| 3.25 | | | | | 5.6 | 1.3 | |
| 3.50 | | | | | 5.8 | 1.2 | |
| 3.75 | | | | | 6.1 | 1.6 | |
| 4.00 | | | | | 6.2 | 1.3 | |
| 4.25 | | | | | 6.1 | 1.3 | |

Notes:

Project: SEA **Site:** 947

Soil Name: No record

Location: GDA 94 ZONE 56 512176 mE 7042605 mN
Location: AGD 84 ZONE 56 512070 mE 7042417 mN

Described By: Malcolm, D (Don)

Date: 03-Jun-1999

Landscape:

Geology: No record

Landform Pattern: beach ridge plain

Runoff: No record

Microrelief: No record

Drainage: No record

Surface Coarse Fragments: No record

Surface Condition: No record

Substrate Lithology: No record

Element: plain

Permeability: No record

Microrelief Component: No record

Slope: No record

Classifications:

ASC: Sulfidic, Oxyaquic, HYDROSOL

GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| S1 | 0.00 to 0.10 | Dark greyish brown (10YR42) moist; sandy loam; weak structure; |
| A1 | 0.10 to 0.40 | Black (10YR21) moist; sandy clay loam; single grain structure; |
| 2C1 | 0.40 to 0.80 | Light brownish grey (10YR62) moist; sand; single grain structure; |
| 3C2 | 0.80 to 1.00 | Greyish brown (10YR52) moist; clayey sand; single grain structure; |
| 4C3 | 1.00 to 3.80 | Greyish brown (2.5Y52) moist; sand; single grain structure; |
| 5C4 | 3.80 to 4.40 | Dark grey (5Y41) moist; silty medium clay; massive structure; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 6.3 | 4.9 | |
| 0.30 | | | | | 6.9 | 4.9 | |
| 0.60 | | | | | 6.7 | 5.1 | |
| 0.80 | | | | | 6.0 | 5.0 | |
| 1.00 | | | | | 5.6 | 4.4 | |
| 1.25 | | | | | 5.5 | 1.6 | |
| 1.50 | | | | | 5.5 | 1.4 | |
| 1.75 | | | | | 5.4 | 1.4 | |
| 2.00 | | | | | 5.5 | 1.5 | |
| 2.25 | | | | | 5.5 | 1.3 | |
| 2.50 | | | | | 5.7 | 1.5 | |
| 2.75 | | | | | 5.6 | 1.6 | |
| 3.00 | | | | | 5.8 | 1.3 | |
| 3.25 | | | | | 4.7 | 1.6 | |
| 3.50 | | | | | 5.7 | 1.1 | |
| 3.75 | | | | | 5.7 | 1.3 | |
| 4.00 | | | | | 5.5 | 1.7 | |
| 4.25 | | | | | 6.1 | 1.0 | |
| 4.40 | | | | | 6.5 | 2.0 | |

Notes:

Site Hit very hard dry clay in bottom

Project: SEA **Site:** 948

Soil Name: No record

Location: GDA 94 **ZONE** 56 511960 mE 7042818 mN
Location: AGD 84 **ZONE** 56 511854 mE 7042630 mN

Described By: Malcolm, D (Don)

Date: 03-Jun-1999

Landscape:

Geology: No record **Substrate Lithology:** No record
Landform Pattern: alluvial plain **Element:** plain
Runoff: No record **Permeability:** No record
Microrelief: No record **Microrelief Component:** No record
Drainage: No record **Slope:** No record
Surface Coarse Fragments: No record
Surface Condition: No record

Classifications:

ASC: Sulfidic, Redoxic, HYDROSOL
GSG: No record **PPF:** No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| A11 | 0.00 to 0.30 | Black (10YR21) moist; clay loam; weak structure; |
| B1 | 0.30 to 0.50 | Very dark grey (10YR31) moist; few 2-10% fine <5mm distinct yellow mottles; silty light clay; massive structure; |
| B21 | 0.50 to 0.80 | Grey (10YR51) moist; common 10-20% medium 5-15mm distinct orange mottles; fine sandy light medium clay; massive structure; |
| 2C1 | 0.80 to 1.10 | Greyish brown (2.5Y52) moist; very few <2% fine <5mm distinct orange mottles; clayey sand; single grain structure; |
| 3C2 | 1.10 to 2.10 | Grey (2.5Y51) moist; sand; single grain structure; |
| 4C3 | 2.10 to 2.50 | Dark grey (2.5Y41) moist; fine sandy light clay; single grain structure; |
| 5C4 | 2.50 to 3.90 | Grey (2.5Y51) moist; sand; single grain structure; |
| 6C5 | 3.90 to 4.60 | Dark grey (2.5Y41) moist; sandy light clay; massive structure; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 5.5 | 3.6 | |
| 0.30 | | | | | 4.5 | 3.6 | |
| 0.60 | | | | | 5.0 | 3.0 | |
| 0.80 | | | | | 4.5 | 2.6 | |
| 1.00 | | | | | 5.0 | 1.4 | |
| 1.25 | | | | | 5.6 | 1.2 | |
| 1.50 | | | | | 5.8 | 1.4 | |
| 1.75 | | | | | 5.9 | 1.6 | |
| 2.00 | | | | | 5.9 | 1.2 | |
| 2.25 | | | | | 5.7 | 1.3 | |
| 2.50 | | | | | 5.9 | 1.4 | |
| 2.75 | | | | | 6.2 | 1.5 | |
| 3.00 | | | | | 6.2 | 1.2 | |
| 3.25 | | | | | 6.0 | 1.5 | |
| 3.50 | | | | | 6.3 | 1.7 | |
| 3.75 | | | | | 6.3 | 1.6 | |
| 4.00 | | | | | 6.5 | 1.4 | |
| 4.25 | | | | | 6.7 | 1.6 | |
| 4.50 | | | | | 6.3 | 1.4 | |

Notes:

Project: SEA

Site: 949

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

511726 mE
511620 mE

7042470 mN
7042282 mN

Described By: Malcolm, D (Don)

Date: 08-Jun-1999

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: No record
Element: plain
Permeability: No record
Microrelief Component: No record
Slope: 0.5 %

Classifications:

ASC: Sulfidic, Redoxic, HYDROSOL

GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| A11 | 0.00 to 0.20 | Very dark grey (10YR31) moist; sandy clay loam; moderate 2-5mm granular structure; |
| A12 | 0.20 to 0.40 | Very dark grey (10YR31) moist; few 2-10% medium 5-15mm distinct orange mottles; sandy clay loam; weak 2-5mm granular structure; |
| B21 | 0.40 to 0.60 | Dark grey (10YR41) moist; few 2-10% medium 5-15mm distinct orange mottles; sandy loam; massive structure; very few <2% medium 2-6mm ferromanganiferous nodules; |
| B22 | 0.60 to 1.50 | Grey (10YR51) moist; clayey sand; massive structure; |
| C1u | 1.50 to 1.80 | Dark grey (2.5Y41) moist; clayey sand; very few <2% angular shell medium pebbles 6-20mm; massive structure; |
| 2C2u | 1.80 to 2.80 | Dark grey (5Y41) moist; silty light clay; few 2-10% angular shell medium pebbles 6-20mm; massive structure; |
| 3C3u | 2.80 to 4.00 | Grey (5Y51) moist; clayey sand; very few <2% angular shell medium pebbles 6-20mm; massive structure; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.5 | 3.2 | |
| 0.30 | | | | | 4.8 | 2.8 | |
| 0.60 | | | | | 4.1 | 2.4 | |
| 0.80 | | | | | 4.7 | 3.1 | |
| 1.00 | | | | | 4.5 | 2.9 | |
| 1.25 | | | | | 6.9 | 1.9 | |
| 1.50 | | | | | 6.8 | 1.7 | |
| 1.75 | | | | | 6.6 | 1.9 | |
| 2.00 | | | | | 7.6 | 1.9 | |
| 2.25 | | | | | 7.5 | 1.7 | |
| 2.50 | | | | | 7.1 | 1.2 | |
| 2.75 | | | | | 6.9 | 1.7 | |
| 3.00 | | | | | 7.1 | 1.6 | |
| 3.25 | | | | | 7.1 | 1.7 | |
| 3.50 | | | | | 7.1 | 1.2 | |
| 3.75 | | | | | 7.0 | 1.0 | |
| 4.00 | | | | | 6.9 | 1.5 | |

Notes:

Project: SEA **Site:** 950

Soil Name: No record

Location: GDA 94 ZONE 56 511821 mE 7042210 mN
Location: AGD 84 ZONE 56 511715 mE 7042022 mN

Described By: Malcolm, D (Don)

Date: 08-Jun-1999

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: No record
Element: plain
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: Sulfidic, Redoxic, HYDROSOL
GSG: Humic gley **PPF:** No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| A1 | 0.00 to 0.40 | Very dark grey (10YR31) moist; heavy sandy clay loam; weak 2-5mm granular structure; |
| B21 | 0.40 to 0.60 | Dark grey (10YR41) moist; few 2-10% fine <5mm distinct orange mottles; silty light medium clay; weak structure; |
| 2B21i | 0.60 to 1.30 | Grey (10YR51) moist; common 10-20% medium 5-15mm distinct orange mottles; sandy light clay; massive structure; |
| 2B22i | 1.30 to 1.50 | Grey (2.5Y51) moist; few 2-10% medium 5-15mm distinct orange mottles; silty light clay; massive structure; |
| 2C1u | 1.50 to 1.70 | Dark grey (2.5Y41) moist; silty light clay; massive structure; |
| 3C2u | 1.70 to 2.00 | Dark grey (2.5Y41) moist; clayey coarse sand; single grain structure; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 5.4 | 4.0 | |
| 0.30 | | | | | 5.6 | 4.2 | |
| 0.60 | | | | | 4.9 | 3.8 | |
| 0.80 | | | | | 4.6 | 2.5 | |
| 1.00 | | | | | 4.2 | 1.7 | |
| 1.25 | | | | | 4.3 | 1.9 | |
| 1.50 | | | | | 4.3 | 1.8 | |
| 1.75 | | | | | 4.3 | 1.4 | |
| 2.00 | | | | | 4.2 | 1.3 | |

Notes:

Project: SEA **Site:** 951

Soil Name: No record

Location: GDA 94 ZONE 56 511547 mE 7042071 mN
Location: AGD 84 ZONE 56 511441 mE 7041883 mN

Described By: Malcolm, D (Don)

Date: 08-Jun-1999

Landscape:

Geology: No record

Landform Pattern: alluvial plain

Runoff: No record

Microrelief: No record

Drainage: No record

Surface Coarse Fragments: No record

Surface Condition: No record

Substrate Lithology: No record

Element: plain

Permeability: No record

Microrelief Component: No record

Slope: No record

Classifications:

ASC: Aquic, PODOSOL

GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| A1 | 0.00 to 0.30 | Very dark grey (10YR31) moist; heavy fine sandy clay loam; weak 2-5mm granular structure; |
| B21 | 0.30 to 0.50 | Dark grey (10YR41) moist; common 10-20% medium 5-15mm distinct orange mottles; silty light medium clay; massive structure; |
| 2A21 | 0.50 to 0.80 | Light brownish grey (10YR62) moist; sand; single grain structure; |
| 2A22e | 0.80 to 1.40 | White (10YR81) moist; sand; single grain structure; |
| 3B21h | 1.40 to 1.50 | Dark grey (10YR41) moist; loamy sand; massive structure; moderately cemented continuous massive organic pan; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 5.1 | 3.9 | |
| 0.30 | | | | | 5.2 | 3.7 | |
| 0.60 | | | | | 5.5 | 3.6 | |
| 0.80 | | | | | 5.0 | 4.0 | |
| 1.00 | | | | | 4.9 | 4.3 | |
| 1.25 | | | | | 4.8 | 4.2 | |
| 1.50 | | | | | 5.0 | 2.5 | |

Notes:

Project: SEA

Site: 952

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

511590 mE
511484 mE

7042288 mN
7042100 mN

Described By: Malcolm, D (Don)

Date: 08-Jun-1999

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: No record
Element: plain
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: Redoxic, HYDROSOL
GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| A11 | 0.00 to 0.20 | Very dark grey (10YR31) moist; sandy clay loam; massive structure; |
| A12 | 0.20 to 0.40 | Dark grey (10YR41) moist; few 2-10% medium 5-15mm distinct orange mottles; sandy loam; massive structure; |
| B21 | 0.40 to 0.70 | Grey (10YR51) moist; common 10-20% medium 5-15mm distinct orange mottles; loamy sand; massive structure; |
| 2B21 | 0.70 to 1.30 | Light brownish grey (10YR62) moist; few 2-10% fine <5mm faint orange mottles; clayey sand; single grain structure; |
| 2C1u | 1.30 to 1.70 | Dark greyish brown (10YR42) moist; clayey sand; single grain structure; |
| 3C2u | 1.70 to 2.30 | Dark grey (10YR41) moist; sandy light clay; massive structure; |
| 3C3u | 2.30 to 2.60 | Dark grey (2.5Y41) moist; sandy light clay; massive structure; |
| 4C4u | 2.60 to 2.80 | Dark grey (2.5Y41) moist; clayey sand; single grain structure; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 5.4 | 4.0 | |
| 0.30 | | | | | 5.0 | 3.7 | |
| 0.60 | | | | | 4.4 | 3.6 | |
| 0.80 | | | | | 4.0 | 3.2 | |
| 1.00 | | | | | 4.4 | 3.4 | |
| 1.25 | | | | | 4.6 | 3.0 | |
| 1.50 | | | | | 4.8 | 2.6 | |
| 1.75 | | | | | 4.7 | 1.5 | |
| 2.00 | | | | | 4.2 | 1.4 | |
| 2.25 | | | | | 4.4 | 1.7 | |
| 2.50 | | | | | 4.2 | 1.8 | |
| 2.75 | | | | | 4.5 | 1.6 | |

Notes:

Project: SEA

Site: 953

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

511379 mE
511273 mE

7042037 mN
7041849 mN

Described By: Malcolm, D (Don)

Date: 08-Jun-1999

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: No record
Element: plain
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: Sulfidic, Redoxic, HYDROSOL

GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| A1 | 0.00 to 0.30 | Very dark grey (10YR31) moist; fine sandy light clay; weak 2-5mm granular structure; |
| B21i | 0.30 to 0.65 | Dark grey (10YR41) moist; common 10-20% medium 5-15mm distinct orange mottles; fine sandy light clay; massive structure; |
| B22i | 0.65 to 1.00 | Grey (10YR51) moist; common 10-20% coarse 15-30mm distinct orange mottles; sandy light clay; massive structure; |
| 2B2i | 1.00 to 1.25 | Grey (10YR51) moist; common 10-20% coarse 15-30mm distinct orange mottles; clayey sand; single grain structure; |
| 2C1u | 1.25 to 2.30 | Greyish brown (10YR52) moist; sand; single grain structure; |
| 3C2u | 2.30 to 4.00 | Dark grey (2.5Y41) moist; sandy light clay; massive structure; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 6.0 | 3.8 | |
| 0.30 | | | | | 5.7 | 4.2 | |
| 0.60 | | | | | 4.7 | 3.4 | |
| 0.80 | | | | | 4.2 | 3.5 | |
| 1.00 | | | | | 5.8 | 3.0 | |
| 1.25 | | | | | 4.7 | 3.3 | |
| 1.50 | | | | | 4.5 | 3.0 | |
| 1.75 | | | | | 4.6 | 3.4 | |
| 2.00 | | | | | 4.9 | 3.2 | |
| 2.25 | | | | | 4.8 | 2.9 | |
| 2.50 | | | | | 4.5 | 1.0 | |
| 2.75 | | | | | 4.6 | 1.3 | |
| 3.00 | | | | | 4.9 | 1.2 | |
| 3.25 | | | | | 5.3 | 1.4 | |
| 3.50 | | | | | 5.5 | 1.7 | |
| 3.75 | | | | | 5.5 | 1.4 | |
| 4.00 | | | | | 5.5 | 1.5 | |

Notes:

Project: SEA **Site:** 954

Soil Name: No record

Location: GDA 94 ZONE 56 511879 mE 7043994 mN
Location: AGD 84 ZONE 56 511773 mE 7043806 mN

Described By: Malcolm, D (Don)

Date: 16-Jun-1999

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: No record
Element: plain
Permeability: No record
Microrelief Component: No record
Slope: 0.5 %

Classifications:

ASC: Sulfidic, Oxyaquic, HYDROSOL
GSG: No record **PPF:** No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| A1 | 0.00 to 0.20 | Very dark grey (10YR31) moist; sandy loam; massive structure; |
| A21 | 0.20 to 0.50 | Grey (10YR51) moist; very few <2% fine <5mm faint orange mottles; sand; single grain structure; |
| A22e | 0.50 to 1.00 | White (10YR81) moist; sand; single grain structure; |
| 2B21 | 1.00 to 1.30 | Brown (7.5YR52) moist; loamy sand; single grain structure; |
| 2B22 | 1.30 to 2.20 | Light brownish grey (10YR62) moist; few 2-10% fine <5mm faint orange mottles; sand; single grain structure; |
| 3C1u | 2.20 to 2.50 | Dark grey (5Y41) moist; clayey sand; massive structure; |
| 4C2u | 2.50 to 3.30 | Dark greenish grey (10Y31) moist; silty medium clay; massive structure; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.8 | 3.6 | |
| 0.30 | | | | | 4.6 | 3.5 | |
| 0.60 | | | | | 4.8 | 4.0 | |
| 0.80 | | | | | 4.6 | 4.0 | |
| 1.00 | | | | | 5.1 | 3.6 | |
| 1.25 | | | | | 5.0 | 3.7 | |
| 1.50 | | | | | 5.0 | 2.9 | |
| 1.75 | | | | | 4.7 | 2.7 | |
| 2.00 | | | | | 4.8 | 2.6 | |
| 2.25 | | | | | 4.7 | 1.8 | |
| 2.50 | | | | | 5.2 | 1.7 | |
| 2.75 | | | | | 5.9 | 1.4 | |
| 3.00 | | | | | 6.1 | 1.5 | |
| 3.25 | | | | | 6.0 | 1.4 | |

Notes:

Project: SEA

Site: 955

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

511763 mE
511657 mE

7043754 mN
7043566 mN

Described By: Malcolm, D (Don)

Date: 16-Jun-1999

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: No record
Element: plain
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: Sulfidic, Oxyaquic, HYDROSOL
GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| A11 | 0.00 to 0.20 | Black (10YR21) moist; sandy light clay; massive structure; |
| A12 | 0.20 to 0.50 | Very dark grey (10YR31) moist; common 10-20% medium 5-15mm distinct orange mottles; loamy sand; single grain structure; |
| A21 | 0.50 to 0.60 | Light brownish grey (10YR62) moist; sand; single grain structure; |
| B21s | 0.60 to 1.20 | Yellowish brown (10YR56) moist; sand; single grain structure; few 2-10% coarse 6-20mm ferruginous concretions; |
| 2C1u | 1.20 to 1.60 | Very dark grey (10YR31) moist; silty light medium clay; massive structure; |
| 2C2u | 1.60 to 1.70 | Very dark grey (2.5Y31) moist; silty light clay; massive structure; |
| 3C3 | 1.70 to 2.00 | Light grey (2.5Y71) moist; sand; single grain structure; |
| 4C4u | 2.00 to 2.40 | Very dark grey (2.5Y31) moist; sandy light clay; massive structure; |
| 5C5 | 2.40 to 2.60 | Light grey (2.5Y71) moist; sand; single grain structure; |
| 6B21h | 2.60 to 2.80 | Black (10YR21) moist; sandy loam; massive structure; moderately cemented continuous massive organic pan; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.7 | 2.7 | |
| 0.30 | | | | | 4.3 | 2.2 | |
| 0.60 | | | | | 3.3 | 2.3 | |
| 0.80 | | | | | 3.1 | 2.0 | |
| 1.00 | | | | | 3.8 | 2.2 | |
| 1.25 | | | | | 5.7 | 2.1 | |
| 1.50 | | | | | 4.2 | 1.0 | |
| 1.75 | | | | | 3.9 | 1.5 | |
| 2.00 | | | | | 4.5 | 1.1 | |
| 2.25 | | | | | 4.2 | 1.3 | |
| 2.50 | | | | | 4.5 | 1.8 | |
| 2.75 | | | | | 5.4 | 2.8 | |

Notes:

Project: SEA

Site: 956

Soil Name: No record

Location: GDA 94

ZONE 56

511799 mE

7042888 mN

Location: AGD 84

ZONE 56

511693 mE

7042700 mN

Described By: Malcolm, D (Don)

Date: 16-Jun-1999

Landscape:

Geology: No record

Substrate Lithology: No record

Landform Pattern: alluvial plain

Element: plain

Runoff: No record

Permeability: No record

Microrelief: No record

Microrelief Component: No record

Drainage: No record

Slope: 0.5 %

Surface Coarse Fragments: No record

Surface Condition: No record

Classifications:

ASC: Sulfidic, Redoxic, HYDROSOL

GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| A11 | 0.00 to 0.20 | Black (10YR21) moist; fine sandy clay loam; weak 2-5mm granular structure; |
| A12 | 0.20 to 0.40 | Very dark grey (2.5Y31) moist; fine sandy light clay; weak 2-5mm granular structure; |
| B21 | 0.40 to 1.40 | Grey (10YR61) moist; common 10-20% medium 5-15mm distinct orange mottles; loamy sand; single grain structure; |
| 2B21 | 1.40 to 1.80 | Very dark grey (2.5Y31) moist; few 2-10% medium 5-15mm distinct orange mottles; sandy light clay; single grain structure; |
| 2C1u | 1.80 to 2.30 | Dark grey (5Y41) moist; silty light clay; massive structure; |
| 2C2u | 2.30 to 2.70 | Dark grey (5Y41) moist; sandy light clay; massive structure; |
| 3C3u | 2.70 to 3.00 | Dark grey (10YR41) moist; clayey sand; single grain structure; |
| 4C4u | 3.00 to 3.30 | Dark grey (5Y41) moist; fine sandy light clay; massive structure; |
| 5C5u | 3.30 to 4.30 | Grey (2.5Y50) moist; sand; very few <2% angular shell medium pebbles 6-20mm; single grain structure; |
| 6C6u | 4.30 to 5.00 | Dark grey (2.5Y41) moist; clayey sand; few 2-10% angular shell medium pebbles 6-20mm; single grain structure; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 5.4 | 2.9 | |
| 0.30 | | | | | 4.1 | 2.9 | |
| 0.60 | | | | | 4.0 | 2.5 | |
| 0.80 | | | | | 3.9 | 2.1 | |
| 1.00 | | | | | 3.6 | 2.1 | |
| 1.25 | | | | | 3.5 | 2.4 | |
| 1.50 | | | | | 3.9 | 2.1 | |
| 1.75 | | | | | 4.2 | 1.7 | |
| 2.00 | | | | | 4.7 | 1.5 | |
| 2.25 | | | | | 5.2 | 1.6 | |
| 2.50 | | | | | 5.8 | 1.5 | |
| 2.75 | | | | | 5.6 | 1.6 | |
| 3.00 | | | | | 5.7 | 1.7 | |
| 3.25 | | | | | 5.6 | 1.8 | |
| 3.50 | | | | | 5.9 | 1.7 | |
| 3.75 | | | | | 6.3 | 1.8 | |
| 4.00 | | | | | 6.4 | 1.8 | |
| 4.25 | | | | | 6.5 | 1.4 | |
| 4.50 | | | | | 6.3 | 1.8 | |
| 4.75 | | | | | 6.4 | 2.0 | |
| 5.00 | | | | | 6.6 | 1.8 | |

Notes:

Project: SEA

Site: 957

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

513061 mE
512955 mE

7041918 mN
7041730 mN

Described By: Malcolm, D (Don)

Date: 17-Jun-1999

Landscape:

Geology: No record
Landform Pattern: plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: No record
Element: beach ridge
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: Sulfidic, Redoxic, HYDROSOL

GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| A11 | 0.00 to 0.10 | Black (10YR21) moist; fibric clay loam; weak 2-5mm granular structure; clear to; |
| A12 | 0.10 to 0.30 | Very dark grey (10YR31) moist; light clay; massive structure; diffuse to; |
| B21 | 0.30 to 0.60 | Dark grey (10YR41) moist; common 10-20% medium 5-15mm distinct orange mottles; light medium clay; massive structure; clear to; |
| B22 | 0.60 to 0.85 | Dark grey (10YR41) moist; common 10-20% medium 5-15mm distinct orange mottles; sandy light clay; massive structure; clear to; |
| 2C1u | 0.85 to 1.00 | Dark grey (5Y41) moist; silty light clay; massive structure; diffuse to; |
| 3C1u | 1.00 to 2.30 | Grey (2.5Y51) moist; sand; single grain structure; diffuse to; |
| 3C2u | 2.30 to 4.70 | Grey (2.5Y61) moist; sand; single grain structure; diffuse to; |
| 3C3u | 4.70 to 5.00 | Dark grey (2.5Y41) moist; sand; single grain structure; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 5.1 | 3.3 | |
| 0.30 | | | | | 5.0 | 3.2 | |
| 0.60 | | | | | 5.0 | 2.6 | |
| 0.80 | | | | | 5.4 | 1.2 | |
| 1.00 | | | | | 5.2 | 1.3 | |
| 1.25 | | | | | 5.0 | 1.8 | |
| 1.50 | | | | | 5.3 | 1.6 | |
| 1.75 | | | | | 5.0 | 1.7 | |
| 2.00 | | | | | 5.3 | 1.8 | |
| 2.25 | | | | | 5.2 | 1.8 | |
| 2.50 | | | | | 5.3 | 1.3 | |
| 2.75 | | | | | 5.3 | 1.3 | |
| 3.00 | | | | | 5.4 | 1.3 | |
| 3.25 | | | | | 5.3 | 1.6 | |
| 3.50 | | | | | 5.1 | 1.6 | |
| 3.75 | | | | | 5.1 | 1.7 | |
| 4.00 | | | | | 5.1 | 1.7 | |
| 4.25 | | | | | 5.1 | 1.6 | |
| 4.50 | | | | | 5.1 | 1.5 | |
| 4.75 | | | | | 5.0 | 1.8 | |
| 5.00 | | | | | 4.6 | 1.8 | |

Notes:

Location In vacant lot

Project: SEA **Site:** 958

Soil Name: No record

Location: GDA 94 ZONE 56 512782 mE 7041842 mN
Location: AGD 84 ZONE 56 512676 mE 7041654 mN

Described By: Malcolm, D (Don)

Date: 17-Jun-1999

Landscape:

Geology: No record
Landform Pattern: plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: No record
Element: beach ridge
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: Sulfidic, Oxyaquic, HYDROSOL
GSG: No record **PPF:** No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| A11 | 0.00 to 0.35 | Very dark greyish brown (10YR32) moist; sand; single grain structure; |
| A12 | 0.35 to 0.50 | Greyish brown (10YR52) moist; sand; single grain structure; |
| A21 | 0.50 to 1.40 | Light brownish grey (10YR62) moist; very few <2% fine <5mm faint orange mottles; sand; single grain structure; |
| 2C1 | 1.40 to 4.40 | Grey (2.5Y61) moist; sand; single grain structure; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 5.1 | 3.2 | |
| 0.30 | | | | | 5.6 | 3.5 | |
| 0.60 | | | | | 5.5 | 4.4 | |
| 0.80 | | | | | 5.5 | 4.8 | |
| 1.00 | | | | | 5.6 | 4.8 | |
| 1.25 | | | | | 5.6 | 3.8 | |
| 1.50 | | | | | 4.4 | 1.8 | |
| 1.75 | | | | | 4.6 | 1.8 | |
| 2.00 | | | | | 4.7 | 1.8 | |
| 2.25 | | | | | 4.8 | 1.6 | |
| 2.50 | | | | | 4.7 | 1.8 | |
| 2.75 | | | | | 4.6 | 1.9 | |
| 3.00 | | | | | 4.5 | 1.7 | |
| 3.25 | | | | | 4.7 | 1.6 | |
| 3.50 | | | | | 4.8 | 1.6 | |
| 3.75 | | | | | 5.1 | 1.7 | |
| 4.00 | | | | | 4.9 | 1.8 | |
| 4.25 | | | | | 4.8 | 1.7 | |

Notes:

Project: SEA

Site: 959

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56 512414 mE
ZONE 56 512308 mE

7041719 mN
7041531 mN

Described By: Malcolm, D (Don)

Date: 17-Jun-1999

Landscape:

Geology: No record
Landform Pattern: plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: No record
Element: beach ridge
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: Sulfidic, Oxyaquic, HYDROSOL

GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| A11 | 0.00 to 0.15 | Black (10YR21) moist; light clay; weak 2-5mm granular structure; |
| A12 | 0.15 to 0.40 | Very dark grey (10YR31) moist; very few <2% fine <5mm faint orange mottles; sandy light clay; weak 2-5mm granular structure; |
| B21 | 0.40 to 0.80 | Dark greyish brown (10YR42) moist; very few <2% medium 5-15mm faint orange mottles; sandy loam; single grain structure; |
| 2C1u | 0.80 to 1.70 | Light brownish grey (10YR62) moist; very few <2% fine <5mm faint orange mottles; sand; single grain structure; |
| 3C2u | 1.70 to 2.30 | Grey (2.5Y51) moist; sand; single grain structure; |
| 4C3u | 2.30 to 2.50 | Very dark brown (10YR22) moist; light clay; |
| 5C4u | 2.50 to 5.00 | Grey (2.5Y51) moist; sand; single grain structure; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 5.2 | 3.0 | |
| 0.30 | | | | | 5.3 | 3.0 | |
| 0.60 | | | | | 4.9 | 2.9 | |
| 0.80 | | | | | 4.7 | 2.9 | |
| 1.00 | | | | | 4.9 | 3.4 | |
| 1.25 | | | | | 5.0 | 3.4 | |
| 1.50 | | | | | 5.2 | 2.8 | |
| 1.75 | | | | | 5.6 | 1.7 | |
| 2.00 | | | | | 5.9 | 1.9 | |
| 2.25 | | | | | 5.5 | 1.9 | |
| 2.50 | | | | | 6.0 | 1.8 | |
| 2.75 | | | | | 5.9 | 1.9 | |
| 3.00 | | | | | 6.0 | 2.0 | |
| 3.25 | | | | | 6.3 | 1.8 | |
| 3.50 | | | | | 6.1 | 1.9 | |
| 3.75 | | | | | 6.4 | 1.8 | |
| 4.00 | | | | | 6.6 | 1.8 | |
| 4.25 | | | | | 6.2 | 1.9 | |
| 4.50 | | | | | 6.2 | 1.8 | |
| 4.75 | | | | | 6.3 | 1.9 | |
| 5.00 | | | | | 6.2 | 2.0 | |

Notes:

Project: SEA

Site: 964

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

510550 mE
510444 mE

7042008 mN
7041820 mN

Described By: Malcolm, D (Don)

Date: 07-Jul-1999

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: No record
Element: drainage depression
Permeability: No record
Microrelief Component: No record
Slope: 0.5 %

Classifications:

ASC: Sulfidic, Redoxic, HYDROSOL
GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|---------------|--|
| A1 | 0.00 to 0.30 | Very dark greyish brown (10YR32) moist; few 2-10% fine <5mm distinct orange mottles; light medium clay; moderate 2-5mm granular structure; |
| B2 | 0.30 to 0.50 | Dark grey (10YR41) moist; common 10-20% medium 5-15mm distinct orange mottles; light medium clay; weak 2-5mm subangular blocky structure; |
| 2B2 | 0.50 to 0.70 | Grey (10YR51) moist; common 10-20% medium 5-15mm distinct orange mottles; sandy clay loam; massive structure; |
| 3B2 | 0.70 to 1.00 | Light brownish grey (10YR62) moist; common 10-20% medium 5-15mm distinct orange mottles; sand; single grain structure; |
| 3C1u | 1.00 to 1.50 | Dark grey (2.5Y41) moist; sandy loam; massive structure; |
| 4C2u | 1.50 to 2.60 | Dark grey (N40) moist; sand; single grain structure; |
| 5C3u | 2.60 to 3.00 | Dark grey (2.5Y41) moist; silty light clay; massive structure; |
| 5C4u | 3.00 to 5.80 | Dark grey (5Y41) moist; silty light clay; |
| 6C5u | 5.80 to 6.00 | Dark grey (2.5Y41) moist; sandy light clay; massive structure; |
| 7C6u | 6.00 to 7.30 | Grey (2.5Y51) moist; sand; single grain structure; |
| 8C7u | 7.30 to 8.50 | Grey (2.5Y51) moist; coarse sand; single grain structure; |
| 8C8u | 8.50 to 9.10 | Grey (2.5Y61) moist; coarse sand; single grain structure; |
| 9C9u | 9.10 to 9.30 | Grey (N50) moist; clayey coarse sand; massive structure; |
| 10C10u | 9.30 to 10.70 | Grey (2.5Y61) moist; coarse sand; very few <2% subrounded quartz medium pebbles 6-20mm; single grain structure; |
| 11C11 | 10.7 to 13.1 | Light grey (10YR71) moist; coarse sand; common 10-20% subrounded quartz medium pebbles 6-20mm, very few <2% subangular quartz large pebbles 20-60mm; single grain structure; |
| 12C12 | 13.1 to 13.4 | Grey (10YR61) moist; sand; single grain structure; |

Project: SEA

Site: 964

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

510550 mE
510444 mE

7042008 mN
7041820 mN

Described By: Malcolm, D (Don)

Date: 07-Jul-1999

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.9 | 2.4 | |
| 0.30 | | | | | 4.2 | 3.4 | |
| 0.60 | | | | | 4.2 | 3.6 | |
| 0.80 | | | | | 4.1 | 3.1 | |
| 1.00 | | | | | 4.4 | 2.9 | |
| 1.25 | | | | | 4.4 | 2.6 | |
| 1.50 | | | | | 5.7 | 1.4 | |
| 1.75 | | | | | 6.0 | 1.6 | |
| 2.00 | | | | | 6.1 | 1.4 | |
| 2.25 | | | | | 6.1 | 1.4 | |
| 2.50 | | | | | 6.2 | 1.6 | |
| 2.75 | | | | | 6.3 | 0.8 | |
| 3.00 | | | | | 6.7 | 0.8 | |
| 3.25 | | | | | 6.9 | 1.2 | |
| 3.50 | | | | | 6.9 | 1.4 | |
| 3.75 | | | | | 7.0 | 1.6 | |
| 4.00 | | | | | 7.1 | 1.7 | |
| 4.25 | | | | | 7.2 | 1.4 | |
| 4.50 | | | | | 7.5 | 1.4 | |
| 4.75 | | | | | 7.5 | 1.2 | |
| 5.00 | | | | | 7.5 | 1.4 | |
| 5.25 | | | | | 7.4 | 1.0 | |
| 5.50 | | | | | 7.6 | 0.9 | |
| 6.00 | | | | | 7.5 | 1.4 | |
| 6.25 | | | | | 7.5 | 1.5 | |
| 6.50 | | | | | 7.5 | 1.5 | |
| 6.75 | | | | | 7.2 | 2.0 | |
| 7.00 | | | | | 7.1 | 1.8 | |
| 7.25 | | | | | 6.9 | 1.8 | |
| 7.50 | | | | | 7.1 | 1.8 | |
| 7.75 | | | | | 7.1 | 1.8 | |
| 8.00 | | | | | 6.8 | 1.8 | |
| 8.50 | | | | | 6.9 | 1.7 | |
| 9.00 | | | | | 6.8 | 2.0 | |
| 9.25 | | | | | 6.4 | 1.9 | |
| 9.50 | | | | | 6.4 | 1.8 | |
| 10.00 | | | | | 6.8 | 2.1 | |
| 10.50 | | | | | 7.2 | 2.5 | |
| 11.00 | | | | | 6.9 | 4.9 | |
| 11.50 | | | | | 6.8 | 3.6 | |
| 12.00 | | | | | 6.8 | 5.0 | |
| 12.50 | | | | | 6.9 | 4.7 | |
| 13.00 | | | | | 7.1 | 4.9 | |

Notes:

Project: SEA

Site: 965

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

510010 mE
509904 mE

7041594 mN
7041406 mN

Described By: Malcolm, D (Don)

Date: 08-Jul-1999

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: soft

Substrate Lithology: Alluvium
Element: plain
Permeability: No record
Microrelief Component: No record
Slope: 0.5 %

Classifications:

ASC: Redoxic, HYDROSOL
GSG: Humic gley

PPF: No record

Vegetation:

Tallest Stratum: Tree, 12.01-20m, sparse
Species: Eucalyptus tereticornis (blue gum, forest red gum)

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| A1 | 0.00 to 0.10 | Very dark greyish brown (10YR32) moist; few 2-10% fine <5mm distinct orange mottles; light clay; moderate 2-5mm granular structure; |
| B21 | 0.10 to 0.50 | Dark grey (10YR41) moist; few 2-10% medium 5-15mm distinct orange mottles; light medium clay; moderate 2-5mm subangular blocky structure; |
| B22 | 0.50 to 0.90 | Grey (10YR51) moist; common 10-20% medium 5-15mm distinct orange mottles; light medium clay; moderate 2-5mm subangular blocky structure; |
| B23 | 0.90 to 1.10 | Grey (10YR51) moist; few 2-10% medium 5-15mm distinct orange mottles; sandy light medium clay; weak 2-5mm subangular blocky structure; |
| 2C1u | 1.10 to 1.80 | Grey (10YR61) moist; sandy loam; massive structure; |
| 3D1 | 1.80 to 2.20 | Grey (N60) moist; sandy light medium clay; massive structure; |
| 4D2 | 2.20 to 2.40 | Grey (N50) moist; common 10-20% coarse 15-30mm distinct orange mottles; medium heavy clay; massive structure; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 5.2 | 3.4 | |
| 0.30 | | | | | 5.4 | 3.4 | |
| 0.60 | | | | | 5.0 | 3.3 | |
| 1.00 | | | | | 4.9 | 3.4 | |
| 1.50 | | | | | 4.6 | 2.8 | |
| 2.00 | | | | | 5.0 | 3.1 | |
| 2.40 | | | | | 4.6 | 2.8 | |

Notes:

Project: SEA

Site: 966

Soil Name: No record

Location: GDA 94

ZONE 56

512174 mE

7044211 mN

Location: AGD 84

ZONE 56

512068 mE

7044023 mN

Described By: Malcolm, D (Don)

Date: 15-Jul-1999

Landscape:

Geology: No record

Landform Pattern: alluvial plain

Runoff: No record

Microrelief: No record

Drainage: No record

Surface Coarse Fragments: No record

Surface Condition: No record

Substrate Lithology: No record

Element: plain

Permeability: No record

Microrelief Component: No record

Slope: 0.5 %

Classifications:

ASC: Semiaquic, PODOSOL

GSG: No record

PPF: No record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| A11 | 0.00 to 0.20 | Light brownish grey (10YR6/2) moist; few 2-10% medium 5-15mm distinct brown mottles; loamy sand; single grain structure; |
| B21hs | 0.20 to 1.20 | Dark reddish brown (5YR2.5/2) moist; loamy sand; massive structure; |
| B22hs | 1.20 to 1.60 | Dark brown (7.5YR3/2) moist; loamy sand; massive structure; |
| B23s | 1.60 to 1.80 | Light olive brown (2.5Y5/4) moist; sand; single grain structure; |
| 2C1u | 1.80 to 2.50 | Dark greyish brown (2.5Y4/2) moist; sand; single grain structure; |
| 3C2u | 2.50 to 3.40 | Dark grey (5Y4/1) moist; sandy light clay; massive structure; |
| 4C3u | 3.40 to 3.80 | Grey (5Y5/1) moist; sand; single grain structure; |
| 5C4u | 3.80 to 4.30 | Dark grey (2.5Y4/1) moist; sandy light clay; massive structure; |
| 6C5 | 4.30 to 4.50 | Grey (7.5YR5/1) moist; sand; single grain structure; |
| 7C6 | 4.50 to 4.60 | Very dark grey (7.5YR3/1) moist; loamy sand; massive structure; weakly cemented continuous massive organic pan; |
| 8D1 | 4.60 to 5.60 | Grey (10YR5/1) moist; common 10-20% coarse 15-30mm distinct orange mottles; medium clay; massive structure; |
| 8D2 | 5.60 to 5.80 | Grey (10YR5/1) moist; few 2-10% medium 5-15mm distinct orange mottles; sandy light medium clay; massive structure; |
| 8D3 | 5.80 to 6.00 | Grey (10YR5/1) moist; common 10-20% coarse 15-30mm distinct orange mottles; medium clay; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.7 | 3.8 | |
| 0.30 | | | | | 4.8 | 3.8 | |
| 0.60 | | | | | 5.1 | 2.7 | |
| 0.80 | | | | | 5.3 | 3.4 | |
| 1.00 | | | | | 5.4 | 4.4 | |
| 1.25 | | | | | 5.5 | 3.9 | |
| 1.50 | | | | | 5.4 | 3.0 | |
| 1.75 | | | | | 5.3 | 1.9 | |
| 2.00 | | | | | 5.3 | 2.2 | |
| 2.25 | | | | | 5.5 | 1.9 | |
| 2.50 | | | | | 5.4 | 2.0 | |
| 2.75 | | | | | 5.5 | 2.0 | |
| 3.00 | | | | | 5.0 | 2.0 | |
| 3.25 | | | | | 5.7 | 2.0 | |
| 3.50 | | | | | 5.6 | 1.8 | |
| 3.75 | | | | | 5.1 | 1.8 | |
| 4.00 | | | | | 5.3 | 1.3 | |
| 4.25 | | | | | 5.4 | 1.4 | |
| 4.50 | | | | | 5.9 | 1.0 | |
| 4.75 | | | | | 6.5 | 2.3 | |
| 5.00 | | | | | 5.8 | 4.0 | |
| 5.25 | | | | | 6.2 | 4.0 | |
| 5.50 | | | | | 6.2 | 4.0 | |
| 5.75 | | | | | 6.3 | 3.5 | |
| 6.00 | | | | | 6.4 | 2.3 | |

Project: SEA

Site: 967

Location: GDA 94 ZONE 56 512081 mE 7045313 mN
Location: AGD 84 ZONE 56 511975 mE 7045125 mN

Described By: Malcolm, D (Don) **Date:** 16-Jul-1999

Landscape:

Landform Pattern: beach ridge plain **Element:** plain

Classifications:

ASC: Aquic, PODOSOL

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| S1 | 0.00 to 0.20 | Very dark greyish brown (10YR32) moist; sandy loam; massive structure; |
| S2 | 0.20 to 0.60 | Grey (10YR51) moist; common 10-20% coarse 15-30mm distinct orange mottles; sandy medium clay; massive structure; |
| S3 | 0.60 to 1.00 | Grey (10YR61) moist; common 10-20% medium 5-15mm distinct orange mottles; coarse sandy medium heavy clay; very few <2% angular quartz medium pebbles 6-20mm, few 2-10% angular quartz large pebbles 20-60mm; massive structure; |
| S4 | 1.00 to 1.40 | Dark grey (10YR41) moist; sandy medium clay; massive structure; |
| 2A21 | 1.40 to 1.80 | Pale yellow (2.5Y73) moist; few 2-10% medium 5-15mm distinct orange mottles; sand; single grain structure; |
| 2B21hs | 1.80 to 2.25 | Dark brown (7.5YR32) moist; loamy sand; massive structure; weakly cemented continuous massive organic pan; |
| 2B22hs | 2.25 to 2.60 | Dark brown (7.5YR33) moist; loamy sand; massive structure; weakly cemented continuous massive organic pan; |
| 2B23hs | 2.60 to 3.50 | Dark yellowish brown (10YR44) moist; sand; single grain structure; |
| 2B24hs | 3.50 to 4.60 | Dark greyish brown (2.5Y43) moist; sand; single grain structure; |
| 3C1 | 4.60 to 5.60 | Olive (5Y53) moist; sand; single grain structure; |
| 4C2u | 5.60 to 5.80 | Grey (5Y61) moist; sand; single grain structure; |
| 5C3u | 5.80 to 6.10 | Dark grey (5Y41) moist; loamy sand; massive structure; |
| 6C4u | 6.10 to 6.30 | Grey (5Y51) moist; sand; single grain structure; |
| 7C5u | 6.30 to 6.60 | Dark grey (5Y41) moist; loamy sand; massive structure; |
| 8C6 | 6.60 to 6.80 | Very dark greyish brown (10YR32) moist; coarse sand; single grain structure; |
| 9D1 | 6.80 to 7.25 | Light brown (7.5YR63) moist; common 10-20% medium 5-15mm distinct orange mottles; sandy medium heavy clay; massive structure; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 7.2 | 4.0 | |
| 0.30 | | | | | 6.9 | 3.0 | |
| 0.60 | | | | | 5.4 | 2.9 | |
| 0.80 | | | | | 4.3 | 2.6 | |
| 1.00 | | | | | 5.8 | 2.6 | |
| 1.25 | | | | | 6.8 | 3.7 | |
| 1.50 | | | | | 6.6 | 4.7 | |
| 1.75 | | | | | 4.9 | 4.2 | |
| 2.00 | | | | | 5.5 | 5.0 | |
| 2.25 | | | | | 5.5 | 4.9 | |
| 2.50 | | | | | 5.6 | 4.7 | |
| 2.75 | | | | | 5.6 | 5.0 | |
| 3.00 | | | | | 5.8 | 5.0 | |
| 3.25 | | | | | 5.9 | 4.7 | |
| 3.50 | | | | | 5.9 | 2.4 | |
| 3.75 | | | | | 5.9 | 1.9 | |
| 4.00 | | | | | 5.8 | 2.2 | |
| 4.25 | | | | | 5.9 | 1.7 | |
| 4.50 | | | | | 6.2 | 2.0 | |
| 4.75 | | | | | 6.2 | 1.9 | |
| 5.00 | | | | | 5.9 | 1.8 | |
| 5.25 | | | | | 6.1 | 2.3 | |
| 5.50 | | | | | 6.0 | 2.0 | |
| 5.75 | | | | | 5.9 | 1.7 | |
| 6.00 | | | | | 5.8 | 2.1 | |
| 6.50 | | | | | 6.2 | 2.0 | |
| 6.75 | | | | | 5.9 | 1.9 | |
| 7.00 | | | | | 6.3 | 1.9 | |
| 7.25 | | | | | 5.9 | 3.0 | |

Project: SEA

Site: 970

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

507856 mE
507750 mE

7050738 mN
7050550 mN

Described By: Malcolm, D (Don)

Date: 01-Sep-1999

Landscape:

Geology: No record

Landform Pattern: alluvial plain

Runoff: No record

Microrelief: No record

Drainage: No record

Surface Coarse Fragments: No record

Surface Condition: No record

Substrate Lithology: No record

Element: plain

Permeability: No record

Microrelief Component: No record

Slope: No record

Classifications:

ASC: Kandosolic, Redoxic, HYDROSOL

GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| A1 | 0.00 to 0.15 | Grey (10YR51) moist; very few <2% fine <5mm distinct yellow mottles; light clay; massive structure; wet when sampled; gradual to; |
| B21 | 0.15 to 1.00 | Very dark grey (10YR31) moist; silty light clay; massive structure; wet when sampled; gradual to; |
| B22 | 1.00 to 1.25 | Very dark grey (10YR31) moist; fine sandy medium heavy clay; massive structure; wet when sampled; gradual to; |
| 2D1 | 1.25 to 1.50 | Grey (2.5Y51) moist; few 2-10% medium 5-15mm distinct yellow mottles; fine sandy medium heavy clay; massive structure; wet when sampled; gradual to; |
| 2D2 | 1.50 to 1.80 | Grey (10YR51) moist; few 2-10% medium 5-15mm distinct yellow, few 2-10% medium 5-15mm distinct red, very few <2% medium 5-15mm distinct orange mottles; fine sandy heavy clay; massive structure; wet when sampled; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 5.3 | 2.9 | |
| 0.30 | | | | | 5.2 | 2.3 | |
| 0.60 | | | | | 4.6 | 2.4 | |
| 0.80 | | | | | 4.9 | 2.3 | |
| 1.00 | | | | | 5.0 | 2.9 | |
| 1.25 | | | | | 6.0 | 2.9 | |
| 1.50 | | | | | 6.3 | 3.3 | |
| 1.75 | | | | | 6.4 | 4.0 | |

Notes:

Project: SEA **Site:** 971

Soil Name: No record

Location: GDA 94 ZONE 56 510226 mE 7045939 mN
Location: AGD 84 ZONE 56 510120 mE 7045751 mN

Described By: Malcolm, D (Don)

Date: 07-Sep-1999

Landscape:

Geology: No record
Landform Pattern: plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: No record
Element: drainage depression
Permeability: No record
Microrelief Component: No record
Slope: 1 %

Classifications:

ASC: HYDROSOL
GSG: No record **PPF:** No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| A11 | 0.00 to 0.40 | Black (10YR20) moist; light clay; weak 2-5mm granular structure; clear to; |
| A12 | 0.40 to 0.60 | Black (10YR20) moist; few 2-10% medium 5-15mm distinct orange mottles; light clay; weak 2-5mm granular structure; clear to; |
| B21 | 0.60 to 1.10 | Dark grey (10YR41) moist; light medium clay; massive structure; clear to; |
| 2C1 | 1.10 to 1.50 | Light grey (10YR71) moist; sand; single grain structure; clear to; |
| 3C2 | 1.50 to 2.00 | Grey (2.5Y61) moist; heavy clay; massive structure; gradual to; |
| 4C3 | 2.00 to 3.00 | Light grey (10YR71) moist; sand; single grain structure; gradual to; |
| 4C4 | 3.00 to 3.30 | Grey (10YR61) moist; sand; single grain structure; moderately cemented broken massive fragipan; |
| 5D1 | 3.30 to 4.50 | Light grey (N70) moist; sandy heavy clay; massive structure; |
| 5D2 | 4.50 to 4.80 | Grey (10YR61) moist; sandy heavy clay; massive structure; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.8 | 3.6 | |
| 0.30 | | | | | 6.5 | 3.9 | |
| 0.60 | | | | | 6.2 | 4.5 | |
| 0.80 | | | | | 5.6 | 3.9 | |
| 1.00 | | | | | 6.4 | 5.1 | |
| 1.25 | | | | | 7.9 | 6.0 | |
| 1.50 | | | | | 7.3 | 2.7 | |
| 1.75 | | | | | 7.8 | 4.6 | |
| 2.00 | | | | | 7.7 | 2.5 | |
| 2.25 | | | | | 8.3 | 3.8 | |
| 2.50 | | | | | 9.1 | 1.8 | |
| 2.75 | | | | | 8.5 | 5.8 | |
| 3.00 | | | | | 9.1 | 5.8 | |
| 3.25 | | | | | 8.3 | 6.0 | |
| 3.50 | | | | | 9.4 | 5.9 | |
| 3.75 | | | | | 8.0 | 5.7 | |
| 4.00 | | | | | 9.4 | 5.8 | |
| 4.25 | | | | | 9.4 | 5.6 | |
| 4.50 | | | | | 8.5 | 5.6 | |
| 4.75 | | | | | 9.9 | 6.5 | |

Notes:

Project: SEA

Site: 972

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

510786 mE
510680 mE

7046052 mN
7045864 mN

Described By: Malcolm, D (Don)

Date: 07-Sep-1999

Landscape:

Geology: No record

Landform Pattern: alluvial plain

Substrate Lithology: No record

Element: drainage depression

Classifications:

ASC: Redoxic, HYDROSOL

GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| A11 | 0.00 to 0.10 | Black (10YR21) moist; fibric sandy clay loam; weak 2-5mm granular structure; wet when sampled; gradual to; |
| A12 | 0.10 to 0.20 | Very dark grey (10YR31) moist; sandy clay loam; weak 2-5mm granular structure; wet when sampled; gradual to; |
| 2B21 | 0.20 to 0.30 | Dark grey (10YR41) moist; few 2-10% medium 5-15mm distinct orange mottles; silty light clay; massive structure; wet when sampled; gradual to; |
| 2C1 | 0.30 to 0.50 | Grey (10YR51) moist; silty light clay; massive structure; wet when sampled; clear to; |
| 3C2 | 0.50 to 0.70 | Very dark grey (10YR31) moist; sandy light clay; massive structure; wet when sampled; abrupt to; |
| 4C3 | 0.70 to 1.20 | Grey (10YR51) moist; sand; single grain structure; wet when sampled; abrupt to; |
| 5C4 | 1.20 to 1.80 | Grey (10YR61) moist; fine sandy light medium clay; massive structure; wet when sampled; abrupt to; |
| 6C5 | 1.80 to 2.40 | Grey (10YR51) moist; sand; single grain structure; wet when sampled; clear to; |
| 7C6 | 2.40 to 2.70 | Grey (10YR61) moist; silty clay; massive structure; wet when sampled; clear to; |
| 8C7 | 2.70 to 3.00 | Grey (2.5Y61) moist; clay loam, sandy; single grain structure; wet when sampled; clear to; |
| 9C8 | 3.00 to 3.30 | Grey (2.5Y61) moist; coarse sand; single grain structure; wet when sampled; abrupt to; |
| 10C9 | 3.30 to 4.00 | Light brownish grey (2.5Y62) moist; sand; single grain structure; wet when sampled; abrupt to; |
| 11C10 | 4.00 to 4.25 | Greyish brown (2.5Y52) moist; coarse sand; very few <2% angular quartz small pebbles 2-6mm; single grain structure; wet when sampled; clear to; |
| 11C11 | 4.25 to 4.80 | Dark greyish brown (10YR42) moist; coarse sand; very few <2% angular quartz small pebbles 2-6mm; single grain structure; wet when sampled; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 7.2 | 4.5 | |
| 0.30 | | | | | 6.2 | 5.4 | |
| 0.60 | | | | | 6.1 | 4.8 | |
| 0.80 | | | | | 6.5 | 5.4 | |
| 1.00 | | | | | 6.4 | 5.3 | |
| 1.25 | | | | | 6.8 | 5.7 | |
| 1.50 | | | | | 7.9 | 4.6 | |
| 1.75 | | | | | 7.0 | 4.7 | |
| 2.00 | | | | | 6.7 | 5.8 | |
| 2.25 | | | | | 9.2 | 5.6 | |
| 2.50 | | | | | 6.3 | 4.1 | |
| 2.75 | | | | | 6.5 | 3.9 | |
| 3.00 | | | | | 6.5 | 3.4 | |
| 3.25 | | | | | 7.3 | 3.8 | |
| 3.50 | | | | | 7.2 | 2.6 | |
| 3.75 | | | | | 7.1 | 2.1 | |
| 4.00 | | | | | 6.8 | 3.0 | |
| 4.25 | | | | | 6.9 | 3.0 | |
| 4.50 | | | | | 6.6 | 2.8 | |
| 4.75 | | | | | 6.6 | 1.5 | |

Notes:

Project: SEA

Site: 973

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56 510862 mE
ZONE 56 510756 mE

7046249 mN
7046061 mN

Described By: Adams, J (Justin)

Date: 08-Sep-1999

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: No record
Element: plain
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: Humic/humosesquic, Semiaquic, PODOSOL
GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| A1 | 0.00 to 0.20 | Very dark grey (10YR31) moist; sandy loam; moderately moist when sampled; |
| B21 | 0.20 to 0.40 | Grey (10YR51) moist; very few <2% fine <5mm distinct orange mottles; heavy sandy light clay; moderately moist when sampled; |
| 2A1 | 0.40 to 0.50 | Dark greyish brown (10YR42) moist; sand; moderately moist when sampled; |
| 2A2 | 0.50 to 0.70 | Grey (10YR61) moist; sand; moderately moist when sampled; |
| 2B21h | 0.70 to 0.80 | Black (10YR20) moist; sand; single grain structure; weakly cemented continuous massive organic pan; moderately moist when sampled; |
| 2B22h | 0.80 to 1.10 | Very dark grey (10YR31) moist; few 2-10% fine <5mm distinct grey mottles; sand; single grain structure; moderately moist when sampled; |
| 2B23h | 1.10 to 1.25 | Black (10YR20) moist; sand; massive structure; weakly cemented continuous massive organic pan; moderately moist when sampled; |
| 2B24h | 1.25 to 1.50 | Dark grey (10YR41) moist; sand; single grain structure; moderately moist when sampled; |
| 2B25h | 1.50 to 1.60 | Black (10YR20) moist; sand; massive structure; moderately cemented continuous massive organic pan; moderately moist when sampled; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 6.1 | 4.2 | |
| 0.30 | | | | | 5.9 | 4.5 | |
| 0.60 | | | | | 6.7 | 4.9 | |
| 0.80 | | | | | 6.2 | 3.3 | |
| 1.00 | | | | | 6.5 | 4.7 | |
| 1.25 | | | | | 5.5 | 1.1 | |
| 1.50 | | | | | 5.9 | 1.4 | |

Notes:

Location Northern part of estate; adjacent to drain (rust coloured water, pH 6.33)

Project: SEA **Site:** 974

Soil Name: No record

Location: GDA 94 **ZONE 56** 511110 mE 7046304 mN
Location: AGD 84 **ZONE 56** 511004 mE 7046116 mN

Described By: Adams, J (Justin)

Date: 08-Sep-1999

Landscape:

Geology: No record **Substrate Lithology:** No record
Landform Pattern: alluvial plain **Element:** plain
Runoff: No record **Permeability:** No record
Microrelief: No record **Microrelief Component:** No record
Drainage: No record **Slope:** No record
Surface Coarse Fragments: No record
Surface Condition: No record

Classifications:

ASC: Redoxic, HYDROSOL
GSG: No record **PPF:** No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| A1 | 0.00 to 0.20 | Very dark grey (10YR31) moist; very few <2% fine <5mm distinct red mottles; fine sandy clay loam; weak 2-5mm granular structure; moderately moist when sampled; clear to; |
| B2 | 0.20 to 0.30 | Very dark grey (10YR31) moist; few 2-10% fine <5mm distinct orange mottles; fine sandy light clay; weak 2-5mm granular structure; moderately moist when sampled; clear to; |
| 2C1 | 0.30 to 0.50 | Dark grey (N40) moist; very few <2% fine <5mm faint orange mottles; sandy light clay; massive structure; moderately moist when sampled; abrupt to; |
| 3C2 | 0.50 to 0.80 | Yellowish brown (10YR56) moist; sand; single grain structure; wet when sampled; gradual to; |
| 3C3 | 0.80 to 1.30 | Light yellowish brown (10YR64) moist; sand; single grain structure; wet when sampled; abrupt to; |
| 4D1 | 1.30 to 2.90 | Grey (2.5Y61) moist; sandy medium heavy clay; massive structure; wet when sampled; abrupt to; |
| 4D2 | 2.90 to 3.60 | Grey (N60) moist; heavy clay; massive structure; wet when sampled; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.7 | 2.1 | |
| 0.30 | | | | | 5.0 | 3.4 | |
| 0.50 | | | | | 6.6 | 4.3 | |
| 0.60 | | | | | 6.4 | 4.8 | |
| 0.80 | | | | | 6.6 | 4.9 | |
| 1.00 | | | | | 7.2 | 4.6 | |
| 1.25 | | | | | 7.2 | 4.6 | |
| 1.50 | | | | | 7.2 | 3.4 | |
| 1.75 | | | | | 7.1 | 4.6 | |
| 2.00 | | | | | 7.1 | 4.5 | |
| 2.25 | | | | | 7.1 | 4.4 | |
| 2.50 | | | | | 6.8 | 4.4 | |
| 2.75 | | | | | 6.8 | 4.2 | |
| 3.00 | | | | | 7.2 | 5.1 | |
| 3.25 | | | | | 7.9 | 4.6 | |
| 3.50 | | | | | 7.0 | 4.4 | |

Notes:

Location Scalded area, approx. 150m from houses in Mountain Creek

Project: SEA

Site: 975

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

511339 mE
511233 mE

7045865 mN
7045677 mN

Described By: Barry, Earl

Date: 08-Sep-1999

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: No record
Element: plain
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: Semiaquic, PODOSOL
GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| A1 | 0.00 to 0.30 | Dark grey (2.5Y41) moist; sandy loam; massive structure; moderately moist when sampled; clear to; |
| A21 | 0.30 to 0.50 | Pale yellow (2.5Y83) moist; common 10-20% medium 5-15mm distinct yellow mottles; sand; single grain structure; moderately moist when sampled; clear to; |
| A22e | 0.50 to 1.00 | White (10YR81) moist; sand; single grain structure; moderately moist when sampled; clear to; |
| A23 | 1.00 to 1.25 | Grey (10YR61) moist; sand; single grain structure; moderately moist when sampled; abrupt to; |
| B21h | 1.25 to 1.70 | Black (10YR21) moist; sand; single grain structure; weakly cemented continuous massive organic pan; moderately moist when sampled; gradual to; |
| 2B22 | 1.70 to 2.10 | Dark grey (10YR41) moist; few 2-10% medium 5-15mm distinct brown mottles; clayey sand; single grain structure; moderately moist when sampled; gradual to; |
| 2B23h | 2.10 to 2.40 | Very dark greyish brown (10YR32) moist; sand; massive structure; weakly cemented continuous massive organic pan; moderately moist when sampled; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 5.9 | 2.5 | |
| 0.30 | | | | | 6.1 | 2.9 | |
| 0.60 | | | | | 7.7 | 5.1 | |
| 0.80 | | | | | 8.7 | 5.0 | |
| 1.00 | | | | | 7.0 | 5.0 | |
| 1.25 | | | | | 7.1 | 5.3 | |
| 1.50 | | | | | 6.3 | 3.0 | |
| 1.75 | | | | | 6.5 | 4.8 | |
| 2.00 | | | | | 6.5 | 4.8 | |
| 2.25 | | | | | 6.7 | 4.7 | |

Notes:

Location Site near edge of river, parallel to end of houses.

Project: SEA **Site:** 976

Soil Name: No record

Location: GDA 94 **ZONE** 56 **508796 mE** **7058346 mN**
Location: AGD 84 **ZONE** 56 **508690 mE** **7058158 mN**

Described By: Malcolm, D (Don)

Date: 09-Sep-1999

Landscape:

Geology: No record

Landform Pattern: plain

Runoff: No record

Microrelief: No record

Drainage: No record

Surface Coarse Fragments: No record

Surface Condition: No record

Substrate Lithology: No record

Element: drainage depression

Permeability: No record

Microrelief Component: No record

Slope: No record

Classifications:

ASC: Humic/humosesquic, Semiaquic, PODOSOL

GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| A11 | 0.00 to 0.10 | Very dark grey (10YR31) moist; loamy sand; single grain structure; moderately moist when sampled; gradual to; |
| A12 | 0.10 to 0.60 | Very dark grey (10YR31) moist; sand; single grain structure; moderately moist when sampled; gradual to; |
| A2e | 0.60 to 0.90 | Light grey (10YR71) moist; sand; single grain structure; moderately moist when sampled; clear to; |
| B21 | 0.90 to 1.10 | Very dark grey (10YR31) moist; sand; single grain structure; moderately moist when sampled; clear to; |
| B22h | 1.10 to 1.50 | Black (10YR21) moist; sand; single grain structure; moderately moist when sampled; clear to; |
| B23h | 1.50 to 1.65 | Black (10YR20) moist; sand; massive structure; weakly cemented continuous massive organic pan; moderately moist when sampled; clear to; |
| B24h | 1.65 to 2.40 | Very dark brown (10YR22) moist; sand; single grain structure; weakly cemented continuous massive organic pan; moderately moist when sampled; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.1 | 2.8 | |
| 0.30 | | | | | 4.5 | 2.1 | |
| 0.60 | | | | | 4.6 | 2.3 | |
| 0.80 | | | | | 5.0 | 2.8 | |
| 1.00 | | | | | 5.9 | 3.0 | |
| 1.25 | | | | | 5.3 | 3.6 | |
| 1.50 | | | | | 5.8 | 3.6 | |
| 1.60 | | | | | 6.3 | 4.2 | |
| 1.75 | | | | | 6.1 | 4.3 | |
| 2.00 | | | | | 6.2 | 4.4 | |
| 2.25 | | | | | 6.3 | 3.7 | |

Notes:

Location Maroochy airport, alongside fence opposite old drainage line.
Observation Drain near site pH 5.3, Ec 0.20 mS. Coffee rock at bottom.

Project: SEA

Site: 977

Soil Name: No record

Location: GDA 94 ZONE 56 508826 mE 7058238 mN
Location: AGD 84 ZONE 56 508720 mE 7058050 mN

Described By: Adams, J (Justin)

Date: 09-Sep-1999

Landscape:

Geology: No record **Substrate Lithology:** No record
Landform Pattern: alluvial plain **Element:** plain
Runoff: No record **Permeability:** No record
Microrelief: No record **Microrelief Component:** No record
Drainage: No record **Slope:** No record
Surface Coarse Fragments: No record
Surface Condition: No record

Classifications:

ASC: Humic/humosesquic, Semiaquic, PODOSOL
GSG: No record **PPF:** No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| A11 | 0.00 to 0.10 | Very dark grey (10YR31) moist; loamy sand; single grain structure; moderately moist when sampled; |
| B21 | 0.10 to 0.40 | Dark grey (10YR41) moist; sand; single grain structure; moist when sampled; |
| B22 | 0.40 to 0.80 | Greyish brown (10YR52) moist; sand; single grain structure; moist when sampled; |
| B23h | 0.80 to 1.80 | Black (10YR20) moist; sand; massive structure; weakly cemented continuous massive organic pan; moist when sampled; |
| B23hs | 1.80 to 2.40 | Very dark brown (10YR22) moist; sand; massive structure; weakly cemented continuous massive organic pan; moist when sampled; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.3 | 3.0 | |
| 0.30 | | | | | 4.9 | 3.3 | |
| 0.60 | | | | | 5.3 | 3.7 | |
| 0.80 | | | | | 5.5 | 3.9 | |
| 1.00 | | | | | 5.6 | 3.8 | |
| 1.25 | | | | | 5.9 | 3.7 | |
| 1.50 | | | | | 6.0 | 4.1 | |
| 1.75 | | | | | 5.8 | 4.3 | |
| 2.00 | | | | | 6.2 | 4.5 | |
| 2.25 | | | | | 6.3 | 4.2 | |

Notes:

Location Maroochy airport, clearing for proposed runway, opposite gate in fence (slightly to left)

Project: SEA

Site: 978

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

508926 mE
508820 mE

7056538 mN
7056350 mN

Described By: Adams, J (Justin)

Date: 10-Sep-1999

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: No record
Element: plain
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: Sulfidic, Oxyaquic, HYDROSOL
GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| A1 | 0.00 to 0.30 | Black (10YR21) moist; loamy sand; single grain structure; moderately moist when sampled; abrupt to; |
| B21 | 0.30 to 0.40 | Black (10YR20) moist; sandy clay loam; massive structure; moderately moist when sampled; clear to; |
| C1 | 0.40 to 0.70 | Very dark grey (10YR31) moist; clayey sand; single grain structure; moderately moist when sampled; clear to; |
| C2 | 0.70 to 1.50 | Grey (10YR51) moist; sand; single grain structure; wet when sampled; gradual to; |
| 2C3u | 1.50 to 2.10 | Very dark grey (5Y31) moist; fine sandy light clay; massive structure; wet when sampled; clear to; |
| 2C4u | 2.10 to 2.40 | Very dark grey (5Y31) moist; fine sandy light clay; few 2-10% angular shell medium pebbles 6-20mm; massive structure; wet when sampled; gradual to; |
| 3C5u | 2.40 to 2.90 | Very dark grey (5Y31) moist; clayey sand; very few <2% angular shell medium pebbles 6-20mm; massive structure; wet when sampled; clear to; |
| 3C6u | 2.90 to 3.90 | Dark grey (5Y41) moist; clayey sand; massive structure; wet when sampled; |
| 4B21hs | 3.90 to 4.20 | Black (10YR20) moist; sand; massive structure; weakly cemented continuous massive organic pan; wet when sampled; clear to; |
| 4B22hs | 4.20 to 4.80 | Black (10YR21) moist; very few <2% medium 5-15mm distinct brown mottles; sand; massive structure; weakly cemented continuous massive organic pan; wet when sampled; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 5.0 | 2.2 | |
| 0.30 | | | | | 5.1 | 2.1 | |
| 0.35 | | | | | 5.1 | 2.4 | |
| 0.60 | | | | | 5.2 | 3.0 | |
| 0.80 | | | | | 5.2 | 2.7 | |
| 1.00 | | | | | 5.5 | 2.5 | |
| 1.25 | | | | | 5.3 | 2.4 | |
| 1.50 | | | | | 5.4 | 1.8 | |
| 1.75 | | | | | 6.1 | 2.1 | |
| 2.00 | | | | | 6.6 | 2.1 | |
| 2.25 | | | | | 7.0 | 2.8 | |
| 2.50 | | | | | 6.8 | 2.1 | |
| 2.75 | | | | | 6.9 | 2.6 | |
| 3.00 | | | | | 6.8 | 2.5 | |
| 3.50 | | | | | 6.9 | 1.3 | |
| 3.75 | | | | | 6.2 | 0.8 | |
| 4.00 | | | | | 6.5 | 3.9 | |
| 4.25 | | | | | 6.5 | 5.4 | |
| 4.50 | | | | | 6.6 | 5.3 | |
| 4.75 | | | | | 6.6 | 5.1 | |

Notes:

Location

Clearing across road from Maroochy airport. Approx 100m from road, 15m to right of drain.

Project: SEA **Site:** 979

Soil Name: No record

Location: GDA 94 ZONE 56 510146 mE 7045783 mN
Location: AGD 84 ZONE 56 510040 mE 7045595 mN

Described By: Adams, J (Justin)

Date: 10-Sep-1999

Landscape:

Geology: No record

Landform Pattern: plain

Runoff: No record

Microrelief: No record

Drainage: No record

Surface Coarse Fragments: No record

Surface Condition: No record

Substrate Lithology: No record

Element: drainage depression

Permeability: No record

Microrelief Component: No record

Slope: No record

Classifications:

ASC: Oxyaquic, HYDROSOL

GSG: No record

PPF: No record

Vegetation:

Tallest Stratum: Tree

Species:

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| A1 | 0.00 to 0.40 | Black (10YR20) moist; clay loam, sandy; massive structure; moderately moist when sampled; |
| B21 | 0.40 to 0.80 | Very dark grey (7.5YR31) moist; sandy light clay; massive structure; moderately moist when sampled; |
| 2A21 | 0.80 to 1.40 | Grey (10YR51) moist; sand; massive structure; weakly cemented continuous massive silcrete; moderately moist when sampled; |
| 2A22e | 1.40 to 1.60 | Light grey (10YR71) moist; sand; massive structure; weakly cemented continuous massive silcrete; moderately moist when sampled; |
| 2B21h | 1.60 to 2.00 | Black (10YR21) moist; sand; massive structure; weakly cemented continuous massive organic pan; moderately moist when sampled; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 3.6 | 2.2 | |
| 0.30 | | | | | 3.9 | 2.7 | |
| 0.60 | | | | | 4.3 | 3.1 | |
| 0.80 | | | | | 4.6 | 2.7 | |
| 1.00 | | | | | 6.3 | 2.0 | |
| 1.25 | | | | | 5.5 | 2.8 | |
| 1.50 | | | | | 6.6 | 4.8 | |
| 1.75 | | | | | 5.8 | 2.5 | |
| 2.00 | | | | | 5.6 | 3.0 | |

Notes:

Location Mountain Creek, right side of main track, past site 971.

Project: SEA **Site:** 980

Soil Name: No record

Location: GDA 94 **ZONE** 56 508868 mE 7063441 mN
Location: AGD 84 **ZONE** 56 508762 mE 7063253 mN

Described By: Adams, J (Justin)

Date: 14-Sep-1999

Landscape:

Geology: No record

Landform Pattern: plain

Runoff: No record

Microrelief: No record

Drainage: No record

Surface Coarse Fragments: No record

Surface Condition: No record

Substrate Lithology: No record

Element: drainage depression

Permeability: No record

Microrelief Component: No record

Slope: No record

Classifications:

ASC: Kandosolic, Redoxic, HYDROSOL

GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| A3 | 0.00 to 0.10 | Black (10YR20) moist; light clay; weak 2-5mm granular structure; moderately moist when sampled; clear to; |
| B21 | 0.10 to 0.35 | Black (10YR20) moist; common 10-20% fine <5mm distinct orange mottles; light medium clay; weak 2-5mm granular structure; moderately moist when sampled; clear to; |
| B22 | 0.35 to 0.45 | Black (10YR20) moist; light clay; weak <2mm granular structure; moderately moist when sampled; clear to; |
| 2C1 | 0.45 to 0.70 | Grey (10YR51) moist; silty clay loam; massive structure; moderately moist when sampled; abrupt to; |
| 2C2 | 0.70 to 0.90 | Grey (7.5YR51) moist; light medium clay; massive structure; moderately moist when sampled; gradual to; |
| 3D1 | 0.90 to 1.60 | Grey (5Y51) moist; few 2-10% medium 5-15mm distinct brown, few 2-10% medium 5-15mm distinct yellow mottles; medium clay; massive structure; moderately moist when sampled; gradual to; |
| 3D2 | 1.60 to 2.40 | Grey (2.5Y61) moist; few 2-10% medium 5-15mm distinct red, few 2-10% medium 5-15mm distinct orange mottles; medium heavy clay; very few <2% angular ironstone large pebbles 20-60mm; massive structure; moderately moist when sampled; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 5.9 | 2.7 | |
| 0.30 | | | | | 5.4 | 1.8 | |
| 0.40 | | | | | 5.4 | 1.3 | |
| 0.60 | | | | | 4.9 | 2.1 | |
| 0.80 | | | | | 5.2 | 2.5 | |
| 1.00 | | | | | 4.4 | 2.3 | |
| 1.25 | | | | | 6.3 | 3.0 | |
| 1.50 | | | | | 6.7 | 2.5 | |
| 1.75 | | | | | 6.2 | 3.6 | |
| 2.00 | | | | | 6.5 | 3.7 | |
| 2.25 | | | | | 6.3 | 3.6 | |

Notes:

Project: SEA **Site:** 981

Soil Name: No record

Location: GDA 94 ZONE 56 508581 mE 7063434 mN
Location: AGD 84 ZONE 56 508475 mE 7063246 mN

Described By: Adams, J (Justin)

Date: 14-Sep-1999

Landscape:

Geology: No record **Substrate Lithology:** No record
Landform Pattern: alluvial plain **Element:** plain
Runoff: No record **Permeability:** No record
Microrelief: No record **Microrelief Component:** No record
Drainage: No record **Slope:** No record
Surface Coarse Fragments: No record
Surface Condition: No record

Classifications:

ASC: Kandosolic, Oxyaquic, HYDROSOL

GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| A1 | 0.00 to 0.30 | Very dark grey (2.5Y31) moist; silty loam; common 10-20% angular other medium pebbles 6-20mm; weak 2-5mm granular structure; moist when sampled; clear to; |
| B21 | 0.30 to 0.50 | Very dark greyish brown (10YR32) moist; few 2-10% fine <5mm distinct brown mottles; light clay; massive structure; wet when sampled; gradual to; |
| B22 | 0.50 to 0.90 | Dark grey (10YR41) moist; silty light clay; massive structure; wet when sampled; gradual to; |
| 2C1 | 0.90 to 1.10 | Dark grey (2.5Y41) moist; sand; single grain structure; wet when sampled; clear to; |
| 2C2 | 1.10 to 2.00 | Grey (10YR61) moist; sand; single grain structure; wet when sampled; gradual to; |
| 2C3 | 2.00 to 2.30 | Light brownish grey (10YR62) moist; loamy sand; single grain structure; wet when sampled; gradual to; |
| 2C4 | 2.30 to 2.75 | Light brownish grey (10YR62) moist; few 2-10% coarse 15-30mm distinct yellow mottles; clayey sand; single grain structure; wet when sampled; gradual to; |
| 4D1 | 2.75 to 3.40 | Grey (10YR61) dry; few 2-10% medium 5-15mm distinct orange mottles; sandy heavy clay; clear to; |
| 4D2 | 3.40 to 3.60 | Grey (10YR61) moist; clayey sand; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 6.0 | 3.8 | |
| 0.30 | | | | | 6.1 | 4.0 | |
| 0.40 | | | | | 6.3 | 2.8 | |
| 0.60 | | | | | 6.8 | 3.1 | |
| 0.80 | | | | | 6.8 | 4.0 | |
| 1.00 | | | | | 6.8 | 2.7 | |
| 1.25 | | | | | 6.6 | 5.4 | |
| 1.50 | | | | | 6.9 | 5.0 | |
| 1.75 | | | | | 6.6 | 5.0 | |
| 2.00 | | | | | 6.3 | 4.7 | |
| 2.25 | | | | | 6.1 | 4.8 | |
| 2.50 | | | | | 6.4 | 4.9 | |
| 2.75 | | | | | 7.4 | 4.6 | |
| 3.00 | | | | | 8.8 | 4.5 | |
| 3.25 | | | | | 10.0 | 4.5 | |
| 3.50 | | | | | 9.9 | 4.6 | |

Notes:

Project: SEA

Site: 982

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

509515 mE
509409 mE

7061941 mN
7061753 mN

Described By: Adams, J (Justin)

Date: 15-Sep-1999

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: No record
Element: plain
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: Sulfuric, Redoxic, HYDROSOL

GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| A11 | 0.00 to 0.10 | Black (10YR20) moist; heavy clay loam; weak 2-5mm granular structure; moist when sampled; gradual to; |
| A12 | 0.10 to 0.30 | Black (10YR20) moist; light clay; weak 2-5mm granular structure; gradual to; |
| A13 | 0.30 to 0.45 | Black (10YR21) moist; clay loam, sandy; massive structure; clear to; |
| 2C1 | 0.45 to 0.65 | Very dark greyish brown (10YR32) moist; sand; single grain structure; gradual to; |
| 2C2 | 0.65 to 1.10 | Greyish brown (10YR52) moist; sand; single grain structure; gradual to; |
| 3C3 | 1.10 to 1.60 | Dark brown (7.5YR32) moist; common 10-20% fine <5mm distinct orange mottles; sand; single grain structure; gradual to; |
| 3C4 | 1.60 to 2.40 | Very dark brown (10YR22) moist; coarse sand; single grain structure; gradual to; |
| 3C5 | 2.40 to 3.20 | Very dark brown (10YR22) moist; few 2-10% medium 5-15mm distinct brown mottles; coarse sand; single grain structure; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.4 | 2.0 | |
| 0.30 | | | | | 4.2 | 2.6 | |
| 0.60 | | | | | 3.8 | 2.8 | |
| 0.80 | | | | | 4.0 | 2.4 | |
| 1.00 | | | | | 3.7 | 2.3 | |
| 1.25 | | | | | 3.7 | 1.8 | |
| 1.50 | | | | | 4.0 | 3.2 | |
| 1.75 | | | | | 4.1 | 2.8 | |
| 2.00 | | | | | 4.0 | 1.8 | |
| 2.25 | | | | | 4.1 | 1.5 | |
| 2.50 | | | | | 4.6 | 1.8 | |
| 2.75 | | | | | 4.0 | 2.4 | |
| 3.00 | | | | | 4.1 | 2.0 | |
| 3.20 | | | | | 4.2 | 2.0 | |

Notes:

Project: SEA **Site:** 983

Soil Name: No record

Location: GDA 94 **ZONE** 56 **509268 mE** **7061046 mN**
Location: AGD 84 **ZONE** 56 **509162 mE** **7060858 mN**

Described By: Adams, J (Justin)

Date: 15-Sep-1999

Landscape:

Geology: No record

Landform Pattern: beach ridge plain

Runoff: No record

Microrelief: No record

Drainage: No record

Surface Coarse Fragments: No record

Surface Condition: No record

Substrate Lithology: No record

Element: beach ridge

Permeability: No record

Microrelief Component: No record

Slope: No record

Classifications:

ASC: Humic/humosesquic, Semiaquic, PODOSOL

GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| A11 | 0.00 to 0.20 | Very dark grey (10YR31) moist; sandy light clay; massive structure; wet when sampled; gradual to; |
| A12 | 0.20 to 0.30 | Dark grey (10YR41) moist; sandy clay loam; massive structure; moderately moist when sampled; abrupt to; |
| B21 | 0.30 to 0.40 | Greenish grey (10Y61) moist; few 2-10% fine <5mm distinct orange mottles; heavy sandy light clay; massive structure; moderately moist when sampled; abrupt to; |
| 2A2e | 0.40 to 0.80 | Light grey (10YR71) moist; sand; single grain structure; moderately moist when sampled; abrupt to; |
| 2B21 | 0.80 to 0.90 | Dark grey (10YR41) moist; sand; single grain structure; moderately moist when sampled; gradual to; |
| 2B22h | 0.90 to 1.60 | Black (10YR20) moist; sand; massive structure; weakly cemented continuous massive organic pan; moderately moist when sampled; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 5.7 | 4.3 | |
| 0.30 | | | | | 5.6 | 4.4 | |
| 0.40 | | | | | 6.0 | 4.2 | |
| 0.60 | | | | | 5.9 | 5.4 | |
| 0.80 | | | | | 5.4 | 4.5 | |
| 0.90 | | | | | 4.5 | 2.5 | |
| 1.00 | | | | | 4.5 | 3.3 | |
| 1.25 | | | | | 4.5 | 2.9 | |
| 1.50 | | | | | 5.1 | 3.2 | |
| 1.60 | | | | | 5.3 | 3.6 | |

Notes:

Project: SEA

Site: 984

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

508505 mE
508399 mE

7061134 mN
7060946 mN

Described By: Adams, J (Justin)

Date: 16-Sep-1999

Landscape:

Geology: No record
Landform Pattern: beach ridge plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: No record
Element: beach ridge
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: Humic/humosesquic, Semiaquic, PODOSOL
GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| A11 | 0.00 to 0.20 | Black (2.5Y21) moist; clay loam, sandy; single grain structure; moderately moist when sampled; gradual to; |
| A12 | 0.20 to 0.30 | Black (2.5Y21) moist; few 2-10% medium 5-15mm distinct grey mottles; sand; single grain structure; moderately moist when sampled; clear to; |
| B21 | 0.30 to 0.60 | Dark grey (10YR41) moist; sand; single grain structure; moist when sampled; gradual to; |
| B22 | 0.60 to 0.90 | Grey (10YR51) moist; coarse sand; single grain structure; moist when sampled; abrupt to; |
| B23h | 0.90 to 1.10 | Black (10YR20) moist; sand; massive structure; weakly cemented continuous massive organic pan; moist when sampled; clear to; |
| 2B21 | 1.10 to 1.60 | Black (7.5YR21) moist; common 10-20% coarse 15-30mm distinct orange mottles; sand; few 2-10% angular other medium pebbles 6-20mm; single grain structure; moist when sampled; clear to; |
| 2B22h | 1.60 to 1.80 | Very dark brown (10YR22) moist; sand; single grain structure; moist when sampled; gradual to; |
| 2B23hs | 1.80 to 2.10 | Black (10YR20) moist; sand; massive structure; weakly cemented continuous massive organic pan; moist when sampled; abrupt to; |
| 3B21 | 2.10 to 2.30 | Dark grey (10YR41) moist; coarse sand; single grain structure; moist when sampled; diffuse to; |
| 3B22h | 2.30 to 2.60 | Black (10YR20) moist; sandy loam; single grain structure; moist when sampled; diffuse to; |
| 4B21 | 2.60 to 3.40 | Dark greyish brown (10YR42) moist; sand; single grain structure; moist when sampled; gradual to; |
| 4B22 | 3.40 to 3.60 | Dark brown (10YR33) moist; sand; single grain structure; moist when sampled; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 6.0 | 2.5 | |
| 0.30 | | | | | 5.4 | 3.2 | |
| 0.60 | | | | | 4.8 | 3.6 | |
| 0.80 | | | | | 5.1 | 3.3 | |
| 1.00 | | | | | 4.9 | 3.6 | |
| 1.25 | | | | | 5.5 | 3.5 | |
| 1.50 | | | | | 5.4 | 4.3 | |
| 1.75 | | | | | 5.7 | 3.9 | |
| 2.00 | | | | | 5.8 | 3.4 | |
| 2.25 | | | | | 6.1 | 3.6 | |
| 2.50 | | | | | 5.6 | 3.5 | |
| 2.75 | | | | | 6.3 | 3.3 | |
| 3.00 | | | | | 5.8 | 3.8 | |
| 3.25 | | | | | 5.9 | 1.7 | |
| 3.50 | | | | | 5.7 | 1.7 | |

Notes:

Project: SEA

Site: 985

Soil Name: No record

Location: GDA 94 ZONE 56 508665 mE 7061087 mN
Location: AGD 84 ZONE 56 508559 mE 7060899 mN

Described By: Adams, J (Justin)

Date: 16-Sep-1999

Landscape:

Geology: No record **Substrate Lithology:** No record
Landform Pattern: alluvial plain **Element:** plain
Runoff: No record **Permeability:** No record
Microrelief: No record **Microrelief Component:** No record
Drainage: No record **Slope:** No record
Surface Coarse Fragments: No record
Surface Condition: No record

Classifications:

ASC: Sulfidic, Oxyaquic, HYDROSOL
GSG: No record **PPF:** No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| A11 | 0.00 to 0.05 | Very dark grey (7.5YR31) moist; sandy light clay; moist when sampled; |
| B21 | 0.05 to 0.20 | Dark grey (10YR41) moist; few 2-10% fine <5mm faint orange mottles; light medium clay; moist when sampled; |
| B22i | 0.20 to 0.35 | Dark grey (10YR41) moist; common 10-20% medium 5-15mm distinct orange, few 2-10% fine <5mm distinct pale mottles; sandy light clay; moist when sampled; |
| C1u | 0.35 to 1.40 | Very dark grey (5YR31) moist; silty light clay; moist when sampled; |
| 2C2u | 1.40 to 2.20 | Very dark grey (10YR31) moist; medium clay; moist when sampled; |
| 3C3u | 2.20 to 2.45 | Grey (10YR51) moist; clayey sand; moist when sampled; |
| 4C4u | 2.45 to 2.85 | Very dark greyish brown (10YR32) moist; light clay; moist when sampled; |
| 5C5u | 2.85 to 3.20 | Dark greyish brown (10YR42) moist; sand; moist when sampled; |
| 5C6u | 3.20 to 3.35 | Very dark greyish brown (10YR32) moist; sand; moist when sampled; |
| 6C7 | 3.35 to 4.00 | Dark brown (7.5YR32) moist; sand; moist when sampled; |
| 6C8 | 4.00 to 4.20 | Grey (10YR51) moist; sand; moist when sampled; |
| 6C9 | 4.20 to 4.35 | Grey (10YR51) moist; sand; moist when sampled; |
| 7C10 | 4.35 to 4.50 | Grey (2.5Y51) moist; sandy light clay; moist when sampled; |
| 8C11 | 4.50 to 4.70 | Light grey (10YR71) moist; sand; moist when sampled; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.6 | 1.8 | |
| 0.30 | | | | | 3.9 | 1.8 | |
| 0.60 | | | | | 4.8 | 0.7 | |
| 0.80 | | | | | 5.7 | 1.2 | |
| 1.00 | | | | | 6.2 | 1.9 | |
| 1.25 | | | | | 6.5 | 2.9 | |
| 1.50 | | | | | 6.7 | 2.8 | |
| 1.75 | | | | | 6.8 | 3.1 | |
| 2.00 | | | | | 6.8 | 3.1 | |
| 2.25 | | | | | 6.9 | 2.5 | |
| 2.50 | | | | | 6.3 | 1.6 | |
| 2.75 | | | | | 7.0 | 2.0 | |
| 3.00 | | | | | 6.6 | 1.3 | |
| 3.25 | | | | | 6.3 | 2.5 | |
| 3.50 | | | | | 6.0 | 1.8 | |
| 3.75 | | | | | 5.9 | 3.2 | |
| 4.00 | | | | | 6.0 | 1.7 | |
| 4.25 | | | | | 6.0 | 1.4 | |
| 4.50 | | | | | 6.0 | 2.5 | |
| 4.70 | | | | | 5.3 | 1.3 | |

Notes:

Project: SEA **Site:** 986

Soil Name: No record

Location: GDA 94 **ZONE** 56 **508777 mE** **7061268 mN**
Location: AGD 84 **ZONE** 56 **508671 mE** **7061080 mN**

Described By: Adams, J (Justin)

Date: 16-Sep-1999

Landscape:

Geology: No record

Landform Pattern: beach ridge plain

Runoff: No record

Microrelief: No record

Drainage: No record

Surface Coarse Fragments: No record

Surface Condition: No record

Substrate Lithology: No record

Element: beach ridge

Permeability: No record

Microrelief Component: No record

Slope: No record

Classifications:

ASC: Semiaquic, PODOSOL

GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| A1 | 0.00 to 0.20 | Very dark grey (10YR31) moist; sandy clay loam; gradual to; |
| B2 | 0.20 to 0.70 | Grey (10YR61) moist; few 2-10% medium 5-15mm distinct grey mottles; clay loam, sandy; clear to; |
| 2A1 | 0.70 to 0.90 | Grey (10YR51) moist; sand; single grain structure; clear to; |
| 2B21h | 0.90 to 1.10 | Black (10YR21) moist; sand; single grain structure; gradual to; |
| 2B22h | 1.10 to 1.80 | Black (10YR20) moist; coarse sand; single grain structure; gradual to; |
| 2B23h | 1.80 to 2.40 | Black (10YR20) moist; sand; massive structure; weakly cemented continuous massive organic pan; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 5.1 | 2.4 | |
| 0.30 | | | | | 5.4 | 3.3 | |
| 0.60 | | | | | 5.8 | 2.2 | |
| 0.80 | | | | | 5.7 | 1.8 | |
| 1.00 | | | | | 5.8 | 2.6 | |
| 1.25 | | | | | 5.7 | 3.6 | |
| 1.50 | | | | | 5.8 | 3.7 | |
| 1.75 | | | | | 5.9 | 3.2 | |
| 2.00 | | | | | 5.7 | 2.9 | |
| 2.25 | | | | | 5.9 | 3.6 | |

Notes:

Project: SEA

Site: 987

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

505735 mE
505629 mE

7064415 mN
7064227 mN

Described By: Adams, J (Justin)

Date: 17-Sep-1999

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: No record
Element: plain
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: Sulfuric, Oxyaquic, HYDROSOL
GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| A1 | 0.00 to 0.20 | Black (10YR20) moist; clay loam; weak 2-5mm granular structure; abrupt to; |
| 2C1 | 0.20 to 0.70 | Grey (N50) moist; sandy light clay; massive structure; not known, historical data; clear to; |
| 3B2h | 0.70 to 1.20 | Black (10YR20) moist; sand; massive structure; moderately cemented continuous massive organic pan; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.6 | 3.9 | |
| 0.30 | | | | | 4.0 | 1.8 | |
| 0.60 | | | | | 4.6 | 2.1 | |
| 0.80 | | | | | 6.0 | 1.9 | |
| 1.00 | | | | | 6.2 | 2.3 | |

Notes:

Project: SEA

Site: 988

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

506361 mE
506255 mE

7064574 mN
7064386 mN

Described By: Adams, J (Justin)

Date: 17-Sep-1999

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: No record
Element: plain
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: Humic/humosesquic, Semiaquic, PODOSOL
GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| A1 | 0.00 to 0.10 | Very dark grey (10YR31) moist; sandy light clay; weak 2-5mm granular structure; moderately moist when sampled; clear to; |
| B21 | 0.10 to 0.30 | Grey (2.5Y51) moist; few 2-10% fine <5mm distinct orange mottles; sandy light medium clay; massive structure; moist when sampled; gradual to; |
| 2A21 | 0.30 to 0.50 | Grey (10YR51) moist; few 2-10% medium 5-15mm distinct orange mottles; clay loam, sandy; massive structure; moist when sampled; gradual to; |
| 2A22 | 0.50 to 0.60 | Grey (2.5Y51) moist; loamy sand; single grain structure; moist when sampled; clear to; |
| 2B2h | 0.60 to 1.20 | Black (10YR20) moist; loamy sand; massive structure; weakly cemented continuous massive organic pan; moist when sampled; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 5.0 | 3.4 | |
| 0.30 | | | | | 5.0 | 3.7 | |
| 0.60 | | | | | 4.6 | 2.1 | |
| 0.80 | | | | | 4.6 | 2.0 | |
| 1.00 | | | | | 5.7 | 1.8 | |

Notes:

Project: SEA

Site: 989

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

506434 mE
506328 mE

7064895 mN
7064707 mN

Described By: Adams, J (Justin)

Date: 17-Sep-1999

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: No record
Element: plain
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: Sulfuric, Oxyaquic, HYDROSOL

GSG: No record

PPF: No record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| S1 | 0.00 to 0.10 | Dark grey (10YR41) moist; loamy sand; moderately moist when sampled; gradual to; |
| 2A1 | 0.10 to 0.30 | Very dark grey (10YR31) moist; sandy clay loam; weak 2-5mm granular structure; moderately moist when sampled; clear to; |
| 2B21 | 0.30 to 0.65 | Grey (2.5Y51) moist; few 2-10% medium 5-15mm distinct orange, few 2-10% medium 5-15mm distinct pale mottles; sandy light medium clay; moderately moist when sampled; gradual to; |
| 3C1 | 0.65 to 0.90 | Grey (10YR61) moist; very few <2% fine <5mm distinct orange mottles; sand; moderately moist when sampled; gradual to; |
| 3C2 | 0.90 to 1.20 | Grey (7.5YR51) moist; sand; moderately moist when sampled; gradual to; |
| 4C3u | 1.20 to 2.00 | Grey (10YR51) moist; coarse sand; moderately moist when sampled; clear to; |
| 4C4u | 2.00 to 3.40 | Grey (2.5Y51) moist; coarse sand; moderately moist when sampled; gradual to; |
| 4C5u | 3.40 to 4.40 | Grey (2.5Y51) moist; coarse sand; few 2-10% angular quartz small pebbles 2-6mm; moist when sampled; |
| 5C6u | 4.40 to 5.70 | Dark grey (5Y41) moist; silty light clay; massive structure; |
| 6C7u | 5.70 to 6.00 | Grey (N50) moist; sandy light clay; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 5.0 | 3.0 | |
| 0.30 | | | | | 5.4 | 1.9 | |
| 0.60 | | | | | 4.6 | 1.9 | |
| 0.80 | | | | | 4.0 | 1.8 | |
| 1.00 | | | | | 3.9 | 1.8 | |
| 1.25 | | | | | 3.9 | 2.0 | |
| 1.50 | | | | | 4.2 | 1.9 | |
| 1.75 | | | | | 5.1 | 1.8 | |
| 2.00 | | | | | 5.2 | 1.8 | |
| 2.25 | | | | | 5.6 | 1.6 | |
| 2.50 | | | | | 5.8 | 1.8 | |
| 2.75 | | | | | 6.1 | 1.8 | |
| 3.00 | | | | | 5.9 | 2.0 | |
| 3.25 | | | | | 6.1 | 1.6 | |
| 3.50 | | | | | 5.9 | 1.4 | |
| 3.75 | | | | | 5.8 | 1.9 | |
| 4.00 | | | | | 6.0 | 1.9 | |
| 4.25 | | | | | 6.2 | 2.6 | |
| 4.50 | | | | | 6.2 | 2.6 | |
| 4.75 | | | | | 6.4 | 2.6 | |
| 5.00 | | | | | 6.7 | 2.1 | |
| 5.25 | | | | | 6.6 | 2.0 | |
| 5.50 | | | | | 6.5 | 2.2 | |
| 5.75 | | | | | 6.4 | 2.0 | |
| 6.00 | | | | | 6.4 | 1.9 | |

Notes:

Location 250m north of 988; old channel with coarse sands over mud

Project: SEA

Site: 990

Soil Name: No record

Location: GDA 94 ZONE 56 506432 mE 7065203 mN
Location: AGD 84 ZONE 56 506326 mE 7065015 mN

Described By: Adams, J (Justin)

Date: 21-Sep-1999

Landscape:

Geology: No record **Substrate Lithology:** No record
Landform Pattern: alluvial plain **Element:** plain
Runoff: No record **Permeability:** No record
Microrelief: No record **Microrelief Component:** No record
Drainage: No record **Slope:** No record
Surface Coarse Fragments: No record
Surface Condition: No record

Classifications:

ASC: Sulfidic, Oxyaquic, HYDROSOL
GSG: No record **PPF:** No record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| A11 | 0.00 to 0.20 | Very dark grey (10YR31) moist; heavy clay loam; weak 2-5mm granular structure; moist when sampled; abrupt to; |
| B21 | 0.20 to 0.50 | Grey (2.5Y51) moist; few 2-10% fine <5mm distinct orange mottles; sandy light clay; moist when sampled; abrupt to; |
| 2C1 | 0.50 to 0.70 | Dark grey (2.5Y41) moist; sand; single grain structure; moist when sampled; abrupt to; |
| 3C2 | 0.70 to 1.00 | Very dark brown (10YR22) moist; sand; single grain structure; moist when sampled; clear to; |
| 3C3 | 1.00 to 1.60 | Dark brown (7.5YR32) moist; sand; single grain structure; moist when sampled; gradual to; |
| 4C4 | 1.60 to 2.60 | Grey (2.5Y51) moist; sand; single grain structure; moist when sampled; clear to; |
| 5C5 | 2.60 to 3.20 | Dark greyish brown (2.5Y42) moist; sand; single grain structure; moist when sampled; clear to; |
| 6C6 | 3.20 to 3.90 | Dark greyish brown (2.5Y42) moist; coarse sand; few 2-10% angular quartz small pebbles 2-6mm; single grain structure; clear to; |
| 6C7 | 3.90 to 4.40 | Dark greyish brown (2.5Y43) moist; coarse sand; common 10-20% angular quartz small pebbles 2-6mm; single grain structure; abrupt to; |
| 7C8 | 4.40 to 5.60 | Dark greenish grey (10Y41) moist; silty light clay; massive structure; clear to; |
| 8C9 | 5.60 to 5.85 | Dark greenish grey (5GY41) moist; sandy light clay; massive structure; clear to; |
| 8C10 | 5.85 to 6.00 | Grey (10YR51) moist; sandy light clay; massive structure; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 5.7 | 4.0 | |
| 0.30 | | | | | 5.1 | 4.2 | |
| 0.60 | | | | | 6.0 | 3.4 | |
| 0.80 | | | | | 5.8 | 3.2 | |
| 1.00 | | | | | 6.1 | 3.4 | |
| 1.25 | | | | | 5.4 | 2.3 | |
| 1.50 | | | | | 5.4 | 2.2 | |
| 1.75 | | | | | 5.7 | 1.8 | |
| 2.00 | | | | | 6.0 | 1.5 | |
| 2.25 | | | | | 5.8 | 1.6 | |
| 2.50 | | | | | 5.8 | 1.5 | |
| 2.75 | | | | | 6.1 | 1.8 | |
| 3.00 | | | | | 6.2 | 1.5 | |
| 3.25 | | | | | 6.2 | 2.0 | |
| 3.50 | | | | | 6.3 | 1.6 | |
| 3.75 | | | | | 6.0 | 2.1 | |
| 4.00 | | | | | 6.2 | 1.4 | |
| 4.25 | | | | | 6.3 | 1.6 | |
| 4.50 | | | | | 6.5 | 1.6 | |
| 4.75 | | | | | 6.5 | 1.5 | |
| 5.00 | | | | | 6.4 | 1.8 | |
| 5.25 | | | | | 6.4 | 1.7 | |
| 5.50 | | | | | 6.6 | 1.7 | |
| 5.75 | | | | | 6.4 | 1.6 | |
| 6.00 | | | | | 6.4 | 1.3 | |

Project: SEA

Site: 991

Soil Name: No record

Location: GDA 94

ZONE 56

506145 mE

7065247 mN

Location: AGD 84

ZONE 56

506039 mE

7065059 mN

Described By: Adams, J (Justin)

Date: 22-Sep-1999

Landscape:

Geology: No record

Substrate Lithology: No record

Landform Pattern: alluvial plain

Element: plain

Runoff: No record

Permeability: No record

Classifications:

ASC: Sulfidic, Oxyaquic, HYDROSOL

GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| A1 | 0.00 to 0.15 | Very dark grey (10YR31) moist; heavy fine sandy clay loam; weak 2-5mm granular structure; moderately moist when sampled; clear to; |
| B21 | 0.15 to 0.30 | Grey (10YR51) moist; few 2-10% medium 5-15mm distinct orange mottles; sandy light clay; weak 2-5mm granular structure; moderately moist when sampled; clear to; |
| B22 | 0.30 to 0.60 | Grey (10YR51) moist; common 10-20% medium 5-15mm distinct orange mottles; clay loam, sandy; single grain structure; moderately moist when sampled; clear to; |
| C1 | 0.60 to 0.90 | Grey (2.5Y51) moist; clayey sand; single grain structure; moderately moist when sampled; clear to; |
| 2C2 | 0.90 to 1.10 | Dark grey (2.5Y41) moist; few 2-10% medium 5-15mm distinct grey mottles; clayey sand; single grain structure; moderately moist when sampled; gradual to; |
| 3C3 | 1.10 to 1.30 | Light brownish grey (10YR62) moist; sand; single grain structure; moderately moist when sampled; gradual to; |
| 3C4 | 1.30 to 1.50 | Dark greyish brown (10YR42) moist; few 2-10% medium 5-15mm distinct dark mottles; sand; single grain structure; moderately moist when sampled; clear to; |
| 3C5 | 1.50 to 2.30 | Greyish brown (10YR52) moist; loamy sand; single grain structure; moderately moist when sampled; gradual to; |
| 4C6 | 2.30 to 2.70 | Grey (10YR51) moist; sand; single grain structure; moderately moist when sampled; gradual to; |
| 4C7 | 2.70 to 2.90 | Dark grey (2.5Y41) moist; sand; single grain structure; moderately moist when sampled; clear to; |
| 4C8 | 2.90 to 3.50 | Grey (5Y51) moist; sand; single grain structure; moderately moist when sampled; clear to; |
| 4C9 | 3.50 to 3.85 | Dark grey (5Y41) moist; sand; single grain structure; moderately moist when sampled; gradual to; |
| 4C10 | 3.85 to 4.15 | Grey (5Y51) moist; sand; moderately moist when sampled; gradual to; |
| 5C11 | 4.15 to 4.30 | Dark grey (5Y41) moist; sandy light clay; moderately moist when sampled; clear to; |
| 5C12 | 4.30 to 4.80 | Dark greenish grey (10Y41) moist; silty light clay; moderately moist when sampled; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.6 | 3.1 | |
| 0.30 | | | | | 3.9 | 2.3 | |
| 0.60 | | | | | 4.0 | 2.3 | |
| 0.80 | | | | | 5.7 | 2.3 | |
| 1.00 | | | | | 5.8 | 1.9 | |
| 1.25 | | | | | 5.2 | 2.1 | |
| 1.50 | | | | | 6.1 | 1.6 | |
| 1.75 | | | | | 6.2 | 1.7 | |
| 2.00 | | | | | 6.1 | 1.4 | |
| 2.25 | | | | | 5.9 | 2.3 | |
| 2.50 | | | | | 4.2 | 2.1 | |
| 2.75 | | | | | 5.7 | 1.9 | |
| 3.00 | | | | | 5.9 | 2.0 | |
| 3.25 | | | | | 3.3 | 1.9 | |
| 3.50 | | | | | 3.5 | 2.3 | |
| 3.75 | | | | | 6.3 | 1.9 | |
| 4.00 | | | | | 6.9 | 2.3 | |
| 4.25 | | | | | 6.9 | 2.1 | |
| 4.50 | | | | | 7.1 | 1.8 | |
| 4.75 | | | | | 7.1 | 1.8 | |

Project: SEA **Site:** 992

Soil Name: No record

Location: GDA 94 ZONE 56 506526 mE 7065484 mN
Location: AGD 84 ZONE 56 506420 mE 7065296 mN

Described By: Adams, J (Justin)

Date: 22-Sep-1999

Landscape:

Geology: No record

Landform Pattern: alluvial plain

Runoff: No record

Microrelief: No record

Drainage: No record

Surface Coarse Fragments: No record

Surface Condition: No record

Substrate Lithology: No record

Element: plain

Permeability: No record

Microrelief Component: No record

Slope: No record

Classifications:

ASC: Rudosolic, Oxyaquic, HYDROSOL

GSG: No record

PPF: No record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| S1 | 0.00 to 1.00 | Clay loam; |
| 2A1 | 1.00 to 1.15 | Black (10YR21) moist; clay loam, sandy; weak 2-5mm granular structure; moist when sampled; clear to; |
| 2C1 | 1.15 to 1.40 | Dark greyish brown (10YR42) moist; clayey sand; single grain structure; moist when sampled; gradual to; |
| 2C2 | 1.40 to 1.90 | Dark brown (7.5YR32) moist; sand; single grain structure; moderately moist when sampled; gradual to; |
| 2C3 | 1.90 to 2.10 | Dark brown (7.5YR33) moist; few 2-10% medium 5-15mm distinct dark mottles; sand; single grain structure; moderately moist when sampled; clear to; |
| 3C4 | 2.10 to 2.90 | Dark yellowish brown (10YR44) moist; sand; single grain structure; moderately moist when sampled; gradual to; |
| 4C5 | 2.90 to 3.30 | Brown (7.5YR54) moist; sand; single grain structure; moderately moist when sampled; gradual to; |
| 4C6 | 3.30 to 3.80 | Greyish brown (2.5Y53) moist; sand; single grain structure; moderately moist when sampled; clear to; |
| 4C7 | 3.80 to 4.30 | Light brownish grey (2.5Y62) moist; sand; single grain structure; moderately moist when sampled; clear to; |
| 5C8 | 4.30 to 4.50 | Grey (2.5Y51) moist; sand; single grain structure; moderately moist when sampled; clear to; |
| 5C9 | 4.50 to 5.50 | Grey (5Y51) moist; sand; single grain structure; moderately moist when sampled; |
| 6C10 | 5.50 to 6.00 | Dark greenish grey (10Y31) moist; silty light clay; massive structure; moderately moist when sampled; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 1.00 | | | | | 5.0 | 3.4 | |
| 1.25 | | | | | 6.0 | 4.4 | |
| 1.50 | | | | | 5.3 | 3.9 | |
| 1.75 | | | | | 5.3 | 4.0 | |
| 2.00 | | | | | 5.6 | 4.1 | |
| 2.25 | | | | | 6.2 | 4.6 | |
| 2.50 | | | | | 5.3 | 2.4 | |
| 2.75 | | | | | 5.4 | 2.2 | |
| 3.00 | | | | | 5.5 | 2.7 | |
| 3.25 | | | | | 6.0 | 2.6 | |
| 3.50 | | | | | 6.4 | 2.7 | |
| 3.75 | | | | | 5.1 | 2.3 | |
| 4.00 | | | | | 5.1 | 2.6 | |
| 4.25 | | | | | 5.2 | 2.2 | |
| 4.50 | | | | | 5.6 | 2.1 | |
| 4.75 | | | | | 5.6 | 2.0 | |
| 5.00 | | | | | 5.7 | 2.0 | |
| 5.25 | | | | | 6.8 | 2.2 | |
| 5.50 | | | | | 6.8 | 2.0 | |
| 5.75 | | | | | 6.9 | 2.2 | |
| 6.00 | | | | | 7.1 | 2.2 | |

Project: SEA

Site: 993

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

506059 mE
505953 mE

7064622 mN
7064434 mN

Described By: Adams, J (Justin)

Date: 22-Sep-1999

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: No record
Element: plain
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: Semiaquic, PODOSOL
GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| | 0.00 to 1.50 | Loamy sand; |
| Bs | 1.50 to 2.00 | Yellowish brown (10YR56) moist; sand; single grain structure; gradual to; |
| Bs | 2.00 to 2.40 | Dark yellowish brown (10YR44) moist; coarse sand; single grain structure; gradual to; |
| | 2.40 to 3.60 | Dark greyish brown (2.5Y43) moist; sand; single grain structure; gradual to; |
| | 3.60 to 4.80 | Greyish brown (2.5Y53) moist; sand; single grain structure; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 1.50 | | | | | 7.0 | 5.5 | |
| 1.75 | | | | | 7.1 | 5.9 | |
| 2.00 | | | | | 7.4 | 6.0 | |
| 2.25 | | | | | 7.6 | 5.8 | |
| 2.50 | | | | | 7.4 | 5.5 | |
| 2.75 | | | | | 7.7 | 2.2 | |
| 3.00 | | | | | 7.6 | 1.6 | |
| 3.25 | | | | | 7.3 | 1.7 | |
| 3.50 | | | | | 7.3 | 1.8 | |
| 3.75 | | | | | 7.5 | 1.6 | |
| 4.00 | | | | | 7.4 | 1.5 | |
| 4.25 | | | | | 7.3 | 1.4 | |
| 4.50 | | | | | 7.8 | 1.5 | |
| 4.75 | | | | | 9.0 | 1.3 | |

Notes:

Project: SEA

Site: 994

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

507581 mE
507475 mE

7064396 mN
7064208 mN

Described By: Adams, J (Justin)

Date: 23-Sep-1999

Landscape:

Geology: No record

Landform Pattern: alluvial plain

Substrate Lithology: No record

Element: plain

Classifications:

ASC: Rudosolic, Oxyaquic, HYDROSOL

GSG: No record

PPF: No record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| A1 | 0.00 to 0.15 | Very dark grey (10YR31) moist; light clay; moderate 2-5mm granular structure; moderately moist when sampled; sharp to; |
| B21 | 0.15 to 0.35 | Grey (10YR51) moist; many 20-50% very coarse >30mm prominent orange mottles; sandy light medium clay; weak 2-5mm granular structure; moderately moist when sampled; gradual to; |
| 2B2 | 0.35 to 0.45 | Grey (10YR51) moist; very few <2% fine <5mm distinct brown, very few <2% fine <5mm distinct orange mottles; clay loam, sandy; massive structure; moderately moist when sampled; clear to; |
| 3A1 | 0.45 to 0.70 | Very dark brown (7.5YR2.52) moist; sand; single grain structure; moderately moist when sampled; gradual to; |
| 3B2hs | 0.70 to 0.90 | Dark brown (7.5YR33) moist; sand; single grain structure; moderately moist when sampled; gradual to; |
| 3B22s | 0.90 to 1.20 | Dark yellowish brown (10YR34) moist; sand; single grain structure; moderately moist when sampled; gradual to; |
| 3B23s | 1.20 to 1.70 | Yellowish brown (10YR56) moist; sand; single grain structure; moderately moist when sampled; gradual to; |
| 3B24s | 1.70 to 2.30 | Dark yellowish brown (10YR44) moist; sand; single grain structure; moderately moist when sampled; |
| 4C1 | 2.30 to 4.30 | Olive brown (2.5Y44) moist; sand; single grain structure; moderately moist when sampled; |
| 4C2u | 4.30 to 4.60 | Olive grey (5Y52) moist; sand; single grain structure; |
| 4C3 | 4.60 to 4.80 | Grey (10YR51) moist; sand; single grain structure; |
| 5C4 | 4.80 to 6.00 | Dark grey (5Y41) moist; silty light clay; massive structure; moist when sampled; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.8 | 2.1 | |
| 0.30 | | | | | 6.0 | 4.0 | |
| 0.40 | | | | | 6.1 | 4.1 | |
| 0.60 | | | | | 5.9 | 3.9 | |
| 0.80 | | | | | 5.9 | 3.9 | |
| 1.00 | | | | | 5.9 | 4.1 | |
| 1.25 | | | | | 6.4 | 3.2 | |
| 1.50 | | | | | 6.2 | 2.6 | |
| 1.75 | | | | | 6.7 | 3.0 | |
| 2.00 | | | | | 6.5 | 3.7 | |
| 2.25 | | | | | 6.9 | 2.1 | |
| 2.50 | | | | | 5.1 | 2.1 | |
| 2.75 | | | | | 5.8 | 2.4 | |
| 3.00 | | | | | 5.7 | 2.4 | |
| 3.25 | | | | | 5.7 | 2.8 | |
| 3.50 | | | | | 5.8 | 2.4 | |
| 3.75 | | | | | 5.4 | 2.6 | |
| 4.00 | | | | | 5.9 | 2.7 | |
| 4.25 | | | | | 5.7 | 2.6 | |
| 4.50 | | | | | 6.0 | 2.7 | |
| 4.75 | | | | | 5.9 | 2.3 | |
| 5.00 | | | | | 6.2 | 1.7 | |
| 5.25 | | | | | 6.6 | 1.6 | |
| 5.50 | | | | | 6.9 | 1.9 | |
| 5.75 | | | | | 7.0 | 2.1 | |
| 6.00 | | | | | 6.7 | 1.5 | |

Project: SEA

Site: 995

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

507573 mE
507467 mE

7063954 mN
7063766 mN

Described By: Adams, J (Justin)

Date: 23-Sep-1999

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: No record
Element: plain
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: Oxyaquic, HYDROSOL
GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| A1 | 0.00 to 0.15 | Very dark grey (10YR31) moist; very few <2% fine <5mm distinct orange mottles; light clay; moderate 2-5mm granular structure; moist when sampled; sharp to; |
| B21 | 0.15 to 0.45 | Grey (2.5Y51) moist; many 20-50% medium 5-15mm distinct orange, few 2-10% coarse 15-30mm distinct dark mottles; medium clay; gradual to; |
| B22 | 0.45 to 0.60 | Grey (2.5Y51) moist; common 10-20% medium 5-15mm distinct orange mottles; fine sandy medium clay; clear to; |
| 2C1 | 0.60 to 0.90 | Grey (5Y51) moist; few 2-10% medium 5-15mm prominent orange mottles; sand; clear to; |
| 2C2 | 0.90 to 1.60 | Grey (10YR51) moist; sand; abrupt to; |
| 3C3 | 1.60 to 3.10 | Brown (10YR43) moist; sand; clear to; |
| 4C4 | 3.10 to 3.60 | Dark greyish brown (2.5Y42) moist; sand; clear to; |
| 5C5 | 3.60 to 4.00 | Grey (2.5Y51) moist; clayey sand; clear to; |
| 6C6 | 4.00 to 4.40 | Dark grey (5Y41) moist; silty light clay; clear to; |
| 6C7 | 4.40 to 4.80 | Dark greenish grey (10Y31) moist; silty light clay; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 5.3 | 3.4 | |
| 0.30 | | | | | 5.6 | 3.0 | |
| 0.60 | | | | | 5.9 | 3.4 | |
| 0.80 | | | | | 5.6 | 3.6 | |
| 1.00 | | | | | 6.8 | 2.8 | |
| 1.25 | | | | | 7.0 | 3.5 | |
| 1.50 | | | | | 7.1 | 3.3 | |
| 1.75 | | | | | 6.8 | 3.0 | |
| 2.00 | | | | | 7.1 | 3.9 | |
| 2.25 | | | | | 7.1 | 3.3 | |
| 2.50 | | | | | 6.3 | 2.5 | |
| 2.75 | | | | | 7.2 | 2.6 | |
| 3.00 | | | | | 7.2 | 3.1 | |
| 3.25 | | | | | 6.9 | 2.5 | |
| 3.50 | | | | | 6.7 | 2.5 | |
| 3.75 | | | | | 6.7 | 2.4 | |
| 4.00 | | | | | 6.7 | 2.8 | |
| 4.25 | | | | | 7.0 | 2.9 | |
| 4.50 | | | | | 7.1 | 1.9 | |
| 4.75 | | | | | 7.0 | 2.2 | |

Notes:

Project: SEA

Site: 996

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

506975 mE
506869 mE

7063845 mN
7063657 mN

Described By: Adams, J (Justin)

Date: 23-Sep-1999

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: No record
Element: plain
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: Oxyaquic, HYDROSOL

GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| A1 | 0.00 to 0.20 | Very dark grey (10YR31) moist; clay loam; weak 2-5mm granular structure; moist when sampled; sharp to; |
| B21 | 0.20 to 0.50 | Grey (2.5Y51) moist; few 2-10% medium 5-15mm distinct orange mottles; medium clay; moderate 2-5mm subangular blocky structure; moist when sampled; clear to; |
| 2B2 | 0.50 to 0.80 | Grey (2.5Y51) moist; few 2-10% medium 5-15mm prominent orange mottles; heavy sandy light clay; massive structure; moist when sampled; clear to; |
| 3A21 | 0.80 to 1.40 | Dark greyish brown (10YR42) moist; sand; single grain structure; moderately moist when sampled; gradual to; |
| 3B2hs | 1.40 to 2.30 | Dark yellowish brown (10YR44) moist; sand; single grain structure; moderately moist when sampled; gradual to; |
| 3B22hs | 2.30 to 3.30 | Dark yellowish brown (10YR34) moist; sand; single grain structure; moderately moist when sampled; gradual to; |
| 4C1 | 3.30 to 4.70 | Dark greyish brown (2.5Y42) moist; few 2-10% fine <5mm distinct dark mottles; sand; single grain structure; moderately moist when sampled; gradual to; |
| 4C2 | 4.70 to 5.90 | Dark grey (10YR41) moist; sand; single grain structure; |
| 5C3 | 5.90 to 6.00 | Dark grey (5Y41) moist; silty light clay; massive structure; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 5.2 | 2.5 | |
| 0.30 | | | | | 5.7 | 3.9 | |
| 0.60 | | | | | 5.2 | 3.2 | |
| 0.80 | | | | | 5.8 | 3.2 | |
| 1.00 | | | | | 5.7 | 3.2 | |
| 1.25 | | | | | 6.0 | 4.1 | |
| 1.50 | | | | | 5.8 | 2.9 | |
| 1.75 | | | | | 6.0 | 2.9 | |
| 2.00 | | | | | 5.9 | 3.4 | |
| 2.25 | | | | | 6.0 | 2.4 | |
| 2.50 | | | | | 6.1 | 2.0 | |
| 2.75 | | | | | 6.2 | 2.1 | |
| 3.00 | | | | | 6.2 | 3.7 | |
| 3.25 | | | | | 6.0 | 2.4 | |
| 3.50 | | | | | 6.2 | 2.6 | |
| 3.75 | | | | | 6.2 | 2.5 | |
| 4.00 | | | | | 6.0 | 2.0 | |
| 4.25 | | | | | 5.9 | 3.5 | |
| 4.50 | | | | | 6.0 | 4.1 | |
| 4.75 | | | | | 6.2 | 1.7 | |
| 5.00 | | | | | 5.7 | 1.4 | |
| 5.25 | | | | | 6.0 | 1.0 | |
| 5.50 | | | | | 6.0 | 1.2 | |
| 5.75 | | | | | 6.2 | 1.0 | |
| 6.00 | | | | | 6.3 | 2.0 | |

Project: SEA

Site: 998

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

506606 mE
506500 mE

7063891 mN
7063703 mN

Described By: Adams, J (Justin)

Date: 24-Sep-1999

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: No record
Element: plain
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: Redoxic, HYDROSOL
GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| A1 | 0.00 to 0.35 | Very dark grey (10YR31) moist; very few <2% fine <5mm faint brown mottles; light clay; weak 2-5mm granular structure; moist when sampled; clear to; |
| B21 | 0.35 to 0.50 | Very dark grey (10YR31) moist; few 2-10% fine <5mm distinct orange mottles; light medium clay; massive structure; moist when sampled; abrupt to; |
| B22 | 0.50 to 0.90 | Grey (2.5Y51) moist; common 10-20% medium 5-15mm distinct orange mottles; light medium clay; massive structure; moist when sampled; gradual to; |
| 2B21 | 0.90 to 1.30 | Grey (10YR51) moist; few 2-10% fine <5mm distinct orange mottles; fine sandy light clay; massive structure; moderately moist when sampled; clear to; |
| 3C1u | 1.30 to 1.50 | Dark grey (2.5Y41) moist; clayey sand; single grain structure; moderately moist when sampled; clear to; |
| 4B21h | 1.50 to 2.40 | Black (10YR21) moist; sand; massive structure; moderately cemented continuous massive organic pan; moderately moist when sampled; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.5 | 2.1 | |
| 0.30 | | | | | 4.6 | 1.7 | |
| 0.60 | | | | | 4.2 | 2.2 | |
| 0.80 | | | | | 4.1 | 2.0 | |
| 1.00 | | | | | 4.6 | 2.0 | |
| 1.25 | | | | | 5.3 | 1.7 | |
| 1.40 | | | | | 5.2 | 2.2 | |
| 1.50 | | | | | 5.8 | 2.4 | |
| 1.75 | | | | | 6.1 | 4.1 | |
| 2.00 | | | | | 6.3 | 3.1 | |
| 2.25 | | | | | 6.2 | 3.7 | |

Notes:

Project: SEA **Site:** 999

Soil Name: No record

Location: GDA 94 **ZONE** 56 **507437 mE** **7064768 mN**
Location: AGD 84 **ZONE** 56 **507331 mE** **7064580 mN**

Described By: Adams, J (Justin)

Date: 29-Sep-1999

Landscape:

Geology: No record **Substrate Lithology:** No record
Landform Pattern: alluvial plain **Element:** plain
Runoff: No record **Permeability:** No record
Microrelief: No record **Microrelief Component:** No record
Drainage: No record **Slope:** No record
Surface Coarse Fragments: No record
Surface Condition: No record

Classifications:

ASC: Sulfidic, Oxyaquic, HYDROSOL

GSG: No record

PPF: No record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| Ap | 0.00 to 0.05 | Black (10YR21) moist; few 2-10% fine <5mm distinct red mottles; light light clay; weak 2-5mm granular structure; moist when sampled; abrupt to; |
| B21 | 0.05 to 0.30 | Very dark grey (10YR31) moist; few 2-10% medium 5-15mm distinct grey, common 10-20% medium 5-15mm distinct orange mottles; heavy light clay; moist when sampled; abrupt to; |
| 2B21 | 0.30 to 0.45 | Grey (N60) moist; very few <2% fine <5mm distinct orange mottles; loamy sand; single grain structure; moist when sampled; clear to; |
| 2B22 | 0.45 to 1.10 | Dark greyish brown (10YR42) moist; few 2-10% medium 5-15mm distinct dark mottles; sand; single grain structure; moist when sampled; clear to; |
| 2C1 | 1.10 to 2.40 | Dark greyish brown (2.5Y43) moist; sand; single grain structure; moist when sampled; clear to; |
| 2C2u | 2.40 to 3.10 | Greyish brown (2.5Y53) moist; sand; single grain structure; moist when sampled; |
| 3C3u | 3.10 to 4.30 | Greyish brown (2.5Y53) moist; coarse sand; |
| 4C4u | 4.30 to 4.60 | Grey (5Y51) moist; coarse sand; |
| 4C5u | 4.60 to 4.70 | Grey (5Y51) moist; coarse sand; very few <2% angular quartz small pebbles 2-6mm; |
| 4C6u | 4.70 to 5.30 | Grey (2.5Y61) moist; coarse sand; |
| 5C7u | 5.30 to 6.00 | Dark greenish grey (5GY41) moist; silty light clay; massive structure; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 5.7 | 3.8 | |
| 0.30 | | | | | 6.3 | 3.7 | |
| 0.60 | | | | | 6.0 | 4.6 | |
| 0.80 | | | | | 6.2 | 4.3 | |
| 1.00 | | | | | 5.7 | 4.4 | |
| 1.25 | | | | | 5.8 | 4.8 | |
| 1.50 | | | | | 5.9 | 2.5 | |
| 1.75 | | | | | 6.3 | 2.8 | |
| 2.00 | | | | | 6.7 | 3.0 | |
| 2.25 | | | | | 6.9 | 1.9 | |
| 2.50 | | | | | 6.8 | 1.7 | |
| 2.75 | | | | | 6.7 | 1.6 | |
| 3.00 | | | | | 6.6 | 2.0 | |
| 3.25 | | | | | 6.7 | 1.7 | |
| 3.50 | | | | | 6.5 | 1.8 | |
| 3.75 | | | | | 6.7 | 2.6 | |
| 4.00 | | | | | 6.6 | 2.4 | |
| 4.25 | | | | | 6.6 | 2.0 | |
| 4.50 | | | | | 6.9 | 1.8 | |
| 4.75 | | | | | 6.9 | 1.9 | |
| 5.00 | | | | | 7.3 | 2.0 | |
| 5.25 | | | | | 7.4 | 1.3 | |
| 5.50 | | | | | 7.1 | 1.1 | |
| 5.75 | | | | | 7.5 | 1.4 | |
| 6.00 | | | | | 7.4 | 0.9 | |

Notes:

Project: SEA

Site: 1121

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

510581 mE
510475 mE

7039729 mN
7039541 mN

Described By: Loi, JK (John)

Date: 12-Feb-1998

Landscape:

Geology: No record
Landform Pattern: No record
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: No record
Element: No record
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: Sulfidic, Redoxic, HYDROSOL

GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| A1 | 0.00 to 0.15 | Very dark greyish brown (10YR32) moist; clay loam; weak structure; |
| B21 | 0.15 to 0.35 | Very pale brown (10YR74) moist; light silty clay loam; weak structure; |
| 2A1 | 0.35 to 0.45 | Very dark grey (10YR31) moist; clay loam; single grain structure; |
| 2C2 | 0.45 to 0.70 | Very dark greyish brown (10YR32) moist; few 2-10% fine <5mm distinct brown mottles; silty light clay; moderate 2-5mm angular blocky structure; |
| 3C1 | 0.70 to 1.20 | Dark grey (2.5Y41) moist; fine sandy loam; massive structure; |
| 4B21i | 1.20 to 1.70 | Light yellowish brown (10YR64) moist; common 10-20% fine <5mm distinct pale mottles; fine sandy light clay; massive structure; |
| 5D1 | 1.70 to 2.70 | Light bluish grey (5B71) moist; common 10-20% medium 5-15mm distinct orange mottles; fine sandy light medium clay; massive structure; |
| 5D2 | 2.70 to 3.00 | Light bluish grey (5B71) moist; few 2-10% fine <5mm distinct orange mottles; fine sandy medium clay; massive structure; |

Field Tests:

| Depth | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.8 | 2.4 | |
| 0.30 | | | | | 3.9 | 2.4 | |
| 0.60 | | | | | 3.5 | 1.5 | |
| 0.80 | | | | | 3.4 | 1.2 | |
| 1.00 | | | | | 3.2 | 1.0 | |
| 1.25 | | | | | 3.1 | 1.2 | |
| 1.50 | | | | | 3.4 | 1.7 | |
| 1.75 | | | | | 3.2 | 1.8 | |
| 2.00 | | | | | 4.9 | 2.0 | |
| 2.25 | | | | | 5.1 | 2.3 | |
| 2.50 | | | | | 5.0 | 2.4 | |
| 2.75 | | | | | 5.3 | 2.4 | |
| 3.00 | | | | | 5.5 | 2.5 | |

Notes:

Project: SEA

Site: 1122

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

509876 mE
509770 mE

7040081 mN
7039893 mN

Described By: Loi, JK (John)

Date: 12-Feb-1998

Landscape:

Geology: No record
Landform Pattern: No record
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: No record
Element: No record
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: Sulfuric, Redoxic, HYDROSOL

GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| A1 | 0.00 to 0.20 | Very dark grey (10YR31) moist; silty clay loam; moderate 2-5mm angular blocky structure; |
| B21 | 0.20 to 0.40 | Dark grey (10YR41) moist; few 2-10% fine <5mm distinct yellow mottles; silty clay loam; moderate 5-10mm angular blocky structure; |
| B22 | 0.40 to 0.60 | Dark grey (10YR41) moist; silty light clay; moderate 5-10mm angular blocky |
| 2C1 | 0.60 to 0.90 | Grey (10YR61) moist; fine sandy clay loam; massive structure; |
| 3B21i | 0.90 to 1.30 | Light bluish grey (5B71) moist; many 20-50% medium 5-15mm prominent orange mottles; light medium clay; massive structure; |
| 3B22i | 1.30 to 2.00 | Light bluish grey (5B71) moist; common 10-20% medium 5-15mm distinct orange mottles; medium clay; massive structure; |

Field Tests:

| Depth | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.4 | 2.9 | |
| 0.30 | | | | | 4.4 | 2.7 | |
| 0.60 | | | | | 4.0 | 2.5 | |
| 0.80 | | | | | 4.3 | 2.1 | |
| 1.00 | | | | | 3.7 | 2.6 | |
| 1.25 | | | | | 4.0 | 1.9 | |
| 1.50 | | | | | 4.0 | 2.0 | |
| 1.75 | | | | | 4.1 | 1.9 | |
| 2.00 | | | | | 4.0 | 2.4 | |

Notes:

Project: SEA

Site: 1123

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

511985 mE
511879 mE

7045397 mN
7045209 mN

Described By: Loi, JK (John)

Date: 18-Feb-1998

Landscape:

Geology: No record
Landform Pattern: No record
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: No record
Element: No record
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: Humic, Aquic, PODOSOL
GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| A11 | 0.00 to 0.20 | Light grey (10YR71) moist; few 2-10% fine <5mm distinct dark mottles; loamy fine sand; single grain structure; |
| A12 | 0.20 to 0.40 | Grey (10YR51) moist; loamy fine sand; single grain structure; |
| B21 | 0.40 to 0.60 | Yellowish brown (10YR54) moist; loamy fine sand; single grain structure; |
| 2A1 | 0.60 to 0.80 | Light grey (2.5Y72) moist; few 2-10% fine <5mm faint brown mottles; loamy fine sand; massive structure; |
| 2B21hs | 0.80 to 1.00 | Very dark grey (10YR31) moist; common 10-20% medium 5-15mm faint brown mottles; fine sandy loam; massive structure; |
| 2B22h | 1.00 to 1.30 | Dark brown (10YR33) moist; fine sandy loam; massive structure; |
| 2C1 | 1.30 to 2.20 | Light yellowish brown (10YR64) moist; loamy fine sand; massive structure; |
| 3C2u | 2.20 to 3.70 | Pale olive (5Y64) moist; loamy fine sand; massive structure; |
| 3C3u | 3.70 to 4.30 | Olive grey (5Y52) moist; loamy fine sand; massive structure; |
| 4C4u | 4.30 to 5.00 | Light bluish grey (5B71) moist; loamy sand; massive structure; |

Field Tests:

| Depth | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 3.9 | 2.6 | |
| 0.30 | | | | | 4.3 | 2.3 | |
| 0.40 | | | | | 4.6 | 2.9 | |
| 0.60 | | | | | 4.9 | 3.1 | |
| 0.80 | | | | | 5.7 | 4.0 | |
| 1.00 | | | | | 5.6 | 4.3 | |
| 1.25 | | | | | 5.7 | 4.4 | |
| 1.50 | | | | | 5.7 | 3.2 | |
| 1.75 | | | | | 5.5 | 3.8 | |
| 2.00 | | | | | 5.7 | 3.2 | |
| 2.25 | | | | | 5.4 | 1.6 | |
| 2.50 | | | | | 5.5 | 1.6 | |
| 2.75 | | | | | 5.4 | 1.5 | |
| 3.00 | | | | | 5.3 | 1.3 | |
| 3.25 | | | | | 5.3 | 1.6 | |
| 3.50 | | | | | 5.3 | 1.9 | |
| 3.75 | | | | | 5.3 | 2.0 | |
| 4.00 | | | | | 5.4 | 1.4 | |
| 4.25 | | | | | 5.5 | 1.4 | |
| 4.50 | | | | | 5.7 | 1.6 | |
| 4.75 | | | | | 5.7 | 1.0 | |

Notes:

Project: SEA

Site: 1124

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

512503 mE
512397 mE

7041552 mN
7041364 mN

Described By: Loi, JK (John)

Date: 18-Feb-1998

Landscape:

Geology: No record
Landform Pattern: No record
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: No record
Element: No record
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: Sulfidic, Redoxic, HYDROSOL

GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| A1 | 0.00 to 0.35 | Dark grey (10YR41) moist; clay loam; weak structure; |
| B21 | 0.35 to 0.50 | Grey (10YR61) moist; few 2-10% fine <5mm distinct orange mottles; light medium clay; massive structure; |
| 2B22 | 0.50 to 0.60 | Grey (10YR61) moist; fine sandy light clay; massive structure; |
| 3B21 | 0.60 to 0.80 | Light brownish grey (10YR62) moist; few 2-10% fine <5mm distinct grey mottles; fine sandy clay loam; massive structure; |
| 3B22 | 0.80 to 1.00 | Grey (10YR51) moist; few 2-10% fine <5mm distinct dark mottles; fine sandy loam; massive structure; |
| 3B3 | 1.00 to 1.30 | Dark grey (2.5Y41) moist; fine sandy loam; massive structure; |
| 4C1u | 1.30 to 3.30 | Grey (2.5Y61) moist; loamy fine sand; massive structure; |
| 5C2u | 3.30 to 3.60 | Very dark grey (5Y31) moist; light medium clay; massive structure; |
| 6C3u | 3.60 to 4.00 | Grey (5Y51) moist; fine sandy loam; few 2-10% angular shell medium pebbles 6-20mm; massive structure; |
| 7C4u | 4.00 to 4.30 | Dark grey (5Y41) moist; fine sandy light clay; massive structure; |
| 8C5u | 4.30 to 4.70 | Grey (5Y51) moist; fine sandy clay loam; common 10-20% angular shell medium pebbles 6-20mm; massive structure; |
| 9C6u | 4.70 to 5.00 | Very dark grey (5Y31) moist; silty light medium clay; common 10-20% angular shell medium pebbles 6-20mm; massive structure; |

Field Tests:

| Depth | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.9 | 3.4 | |
| 0.30 | | | | | 4.9 | 3.5 | |
| 0.60 | | | | | 4.5 | 3.1 | |
| 0.80 | | | | | 4.8 | 3.0 | |
| 1.00 | | | | | 4.9 | 0.8 | |
| 1.25 | | | | | 4.5 | 0.7 | |
| 1.50 | | | | | 4.3 | 1.0 | |
| 1.75 | | | | | 4.3 | 0.9 | |
| 2.00 | | | | | 4.4 | 0.9 | |
| 2.25 | | | | | 5.2 | 1.0 | |
| 2.50 | | | | | 5.2 | 1.1 | |
| 2.75 | | | | | 5.8 | 1.1 | |
| 3.00 | | | | | 5.8 | 1.2 | |
| 3.25 | | | | | 6.2 | 1.3 | |
| 3.50 | | | | | 6.6 | 1.4 | |
| 3.75 | | | | | 6.9 | 2.0 | |
| 4.00 | | | | | 7.2 | 1.2 | |
| 4.25 | | | | | 7.3 | 1.8 | |
| 4.50 | | | | | 7.3 | 2.0 | |
| 4.75 | | | | | 7.3 | 1.6 | |
| 5.00 | | | | | 7.6 | 1.4 | |

Notes:

Project: SEA

Site: 1125

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

511607 mE
511501 mE

7041041 mN
7040853 mN

Described By: Loi, JK (John)

Date: 18-Feb-1998

Landscape:

Geology: No record
Landform Pattern: No record
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: No record
Element: No record
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: Sulfidic, Redoxic, HYDROSOL

GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| A1 | 0.00 to 0.20 | Very dark grey (10YR31) moist; fine sandy clay loam; weak structure; |
| B21 | 0.20 to 0.30 | Grey (10YR61) moist; fine sandy clay loam; massive structure; |
| 2B21 | 0.30 to 0.50 | Grey (10YR61) moist; few 2-10% medium 5-15mm distinct orange mottles; light fine sandy loam; massive structure; |
| 3C1 | 0.50 to 1.50 | Brown (10YR53) moist; loamy fine sand; massive structure; |
| 3C2 | 1.50 to 2.00 | Light brownish grey (2.5Y63) moist; few 2-10% fine <5mm distinct dark mottles; loamy fine sand; massive structure; |
| 3C3u | 2.00 to 3.30 | Light yellowish brown (2.5Y64) moist; loamy fine sand; massive structure; very few <2% medium 2-6mm ferromanganiferous fragments; |
| 3C4u | 3.30 to 3.80 | Olive (5Y53) moist; loamy fine sand; massive structure; |
| 4C5u | 3.80 to 4.50 | Grey (N60) moist; loamy fine sand; massive structure; |

Field Tests:

| Depth | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.7 | 2.7 | |
| 0.30 | | | | | 4.0 | 3.1 | |
| 0.60 | | | | | 4.8 | 3.4 | |
| 0.80 | | | | | 4.7 | 3.3 | |
| 1.00 | | | | | 4.7 | 3.6 | |
| 1.25 | | | | | 5.0 | 3.6 | |
| 1.50 | | | | | 5.1 | 3.0 | |
| 1.75 | | | | | 5.0 | 2.3 | |
| 2.00 | | | | | 5.1 | 2.0 | |
| 2.25 | | | | | 5.1 | 2.0 | |
| 2.50 | | | | | 5.1 | 1.9 | |
| 2.75 | | | | | 5.3 | 1.9 | |
| 3.00 | | | | | 5.2 | 1.8 | |
| 3.25 | | | | | 5.3 | 1.5 | |
| 3.50 | | | | | 5.3 | 1.8 | |
| 3.75 | | | | | 5.2 | 1.6 | |
| 4.00 | | | | | 5.4 | 1.8 | |
| 4.25 | | | | | 5.3 | 1.6 | |
| 4.50 | | | | | 5.5 | 1.5 | |

Notes:

Project: SEA

Site: 1126

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

507936 mE
507830 mE

7041427 mN
7041239 mN

Described By: Loi, JK (John)

Date: 18-Feb-1998

Landscape:

Geology: No record
Landform Pattern: No record
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: No record
Element: No record
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: Orthic, TENOSOL

GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| A1 | 0.00 to 0.15 | Dark greyish brown (10YR42) moist; clay loam; weak structure; |
| B21 | 0.15 to 0.50 | Light olive brown (2.5Y54) moist; light clay; weak structure; |
| 2B22 | 0.50 to 1.30 | Light olive brown (2.5Y54) moist; few 2-10% medium 5-15mm distinct pale mottles; fine sandy light clay; weak structure; |
| 3B2 | 1.30 to 2.00 | Red (2.5YR46) moist; common 10-20% medium 5-15mm distinct pale, few 2-10% fine <5mm distinct orange mottles; light medium clay; massive structure; |

Field Tests:

| Depth | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 5.1 | 3.4 | |
| 0.30 | | | | | 4.8 | 3.3 | |
| 0.60 | | | | | 4.5 | 2.9 | |
| 0.80 | | | | | 4.4 | 2.8 | |
| 1.00 | | | | | 4.3 | 2.6 | |
| 1.25 | | | | | 4.2 | 2.6 | |
| 1.50 | | | | | 4.2 | 2.6 | |
| 1.75 | | | | | 4.2 | 2.8 | |
| 2.00 | | | | | 4.2 | 2.7 | |

Notes:

Project: SEA

Site: 1127

Soil Name: No record

Location: GDA 94

ZONE 56

507936 mE

7041527 mN

Location: AGD 84

ZONE 56

507830 mE

7041339 mN

Described By: Loi, JK (John)

Date: 18-Feb-1998

Landscape:

Geology: No record

Substrate Lithology: No record

Landform Pattern: No record

Element: No record

Runoff: No record

Permeability: No record

Microrelief: No record

Microrelief Component: No record

Drainage: No record

Slope: No record

Surface Coarse Fragments: No record

Surface Condition: No record

Classifications:

ASC: Orthic, TENOSOL

GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|------------------|
| | 0.00 to 3.00 | Loamy fine sand; |

Field Tests:

No Record

Notes:

Site One Sample Taken at 3.0m

Project: SEA

Site: 1128

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

510978 mE
510872 mE

7041016 mN
7040828 mN

Described By: Loi, JK (John)

Date: 20-Feb-1998

Landscape:

Geology: No record
Landform Pattern: No record
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: No record
Element: No record
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: Humic, Aquic, PODOSOL
GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| A11 | 0.00 to 0.30 | Very dark grey (10YR31) moist; loamy fine sand; single grain structure; |
| A12 | 0.30 to 0.50 | Dark greyish brown (10YR42) moist; loamy fine sand; single grain structure; |
| A2e | 0.50 to 0.90 | Light grey (2.5Y71) moist; loamy fine sand; massive structure; |
| B21i | 0.90 to 1.10 | Grey (2.5Y61) moist; common 10-20% fine <5mm distinct dark mottles; loamy fine sand; massive structure; |
| B21h | 1.10 to 2.10 | Black (10YR21) moist; loamy fine sand; massive structure; |

Field Tests:

| Depth | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.2 | 3.6 | |
| 0.30 | | | | | 4.7 | 3.7 | |
| 0.60 | | | | | 5.4 | 4.6 | |
| 0.80 | | | | | 5.1 | 4.9 | |
| 1.00 | | | | | 5.3 | 1.5 | |
| 1.25 | | | | | 5.2 | 2.8 | |

Notes:

Site Access from Sunset Drive - Coffee rock bent tube

Project: SEA

Site: 1129

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

510732 mE
510626 mE

7042314 mN
7042126 mN

Described By: Loi, JK (John)

Date: 20-Feb-1998

Landscape:

Geology: No record
Landform Pattern: No record
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: No record
Element: No record
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: Sulfuric, Redoxic, HYDROSOL

GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| A1 | 0.00 to 0.45 | Black (10YR21) moist; light fine sandy clay loam; single grain 2-5mm angular blocky structure; |
| B2i | 0.45 to 0.70 | Grey (10YR61) moist; common 10-20% fine <5mm distinct orange mottles; fine sandy clay loam; moderate 5-10mm angular blocky structure; |
| 2B21i | 0.70 to 1.10 | Light brownish grey (2.5Y62) moist; loamy fine sand; massive structure; |
| 2B22i | 1.10 to 1.80 | Grey (2.5Y61) moist; few 2-10% fine <5mm distinct orange mottles; loamy fine sand; massive structure; |
| 3B22i | 1.80 to 2.10 | Light yellowish brown (2.5Y64) moist; few 2-10% fine <5mm distinct pale mottles; fine sandy light medium clay; massive structure; |

Field Tests:

| Depth | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.0 | 1.5 | |
| 0.30 | | | | | 3.8 | 1.8 | |
| 0.60 | | | | | 3.7 | 2.3 | |
| 0.80 | | | | | 3.7 | 2.5 | |
| 1.00 | | | | | 3.6 | 2.4 | |
| 1.25 | | | | | 3.4 | 2.4 | |
| 1.50 | | | | | 3.2 | 1.9 | |
| 1.75 | | | | | 3.6 | 1.8 | |
| 2.00 | | | | | 3.6 | 2.3 | |
| 2.10 | | | | | 3.7 | 2.2 | |

Notes:

Project: SEA

Site: 1130

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

509783 mE
509677 mE

7041670 mN
7041482 mN

Described By: Loi, JK (John)

Date: 20-Feb-1998

Landscape:

Geology: No record
Landform Pattern: No record
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: No record
Element: No record
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: Sulfidic, Redoxic, HYDROSOL

GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| A1 | 0.00 to 0.20 | Dark grey (10YR41) moist; common 10-20% fine <5mm distinct brown mottles; clay loam; strong 2-5mm granular structure; |
| B21 | 0.20 to 0.40 | Dark grey (10YR41) moist; few 2-10% fine <5mm distinct brown mottles; medium clay; moderate 5-10mm angular blocky structure; |
| B22 | 0.40 to 0.90 | Grey (10YR51) moist; few 2-10% fine <5mm distinct yellow, few 2-10% fine <5mm distinct orange mottles; medium clay; moderate 5-10mm angular blocky structure; |
| 2B21 | 0.90 to 1.30 | Grey (10YR61) moist; common 10-20% fine <5mm distinct orange mottles; fine sandy loam; massive structure; |
| 2B22 | 1.30 to 2.20 | Grey (5Y61) moist; loamy fine sand; massive structure; |
| 3D1 | 2.20 to 2.70 | Light bluish grey (5B71) moist; common 10-20% medium 5-15mm distinct orange mottles; medium clay; massive structure; |

Field Tests:

| Depth | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.4 | 2.1 | |
| 0.30 | | | | | 3.9 | 2.6 | |
| 0.60 | | | | | 3.8 | 2.6 | |
| 0.80 | | | | | 3.9 | 2.5 | |
| 1.00 | | | | | 3.9 | 2.8 | |
| 1.25 | | | | | 4.0 | 2.6 | |
| 1.50 | | | | | 4.0 | 2.6 | |
| 1.75 | | | | | 4.6 | 2.8 | |
| 2.00 | | | | | 5.0 | 2.1 | |
| 2.25 | | | | | 5.2 | 1.4 | |
| 2.50 | | | | | 5.4 | 1.7 | |
| 2.70 | | | | | 5.4 | 2.5 | |

Notes:

Project: SEA **Site:** 2150

Soil Name: No record

Location: GDA 94 ZONE 56 507027 mE 7065574 mN
Location: AGD 84 ZONE 56 506921 mE 7065386 mN

Described By: Adams, J (Justin)

Date: 29-Sep-1999

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: No record
Element: plain
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: Rudosolic, Oxyaquic, HYDROSOL
GSG: No record **PPF:** No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| A1 | 0.00 to 0.30 | Black (10YR20) moist; fine sandy light clay; moderate 2-5mm granular structure; moist when sampled; abrupt to; |
| 2C1 | 0.30 to 1.60 | Brown (10YR43) moist; sand; single grain structure; moist when sampled; gradual to; |
| 3C2 | 1.60 to 3.00 | Olive brown (2.5Y44) moist; sand; single grain structure; moist when sampled; |
| 3C3u | 3.00 to 3.60 | Dark greyish brown (2.5Y43) moist; coarse sand; single grain structure; moist when sampled; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 6.8 | 3.7 | |
| 0.30 | | | | | 5.3 | 3.0 | |
| 0.60 | | | | | 5.5 | 3.5 | |
| 0.80 | | | | | 6.2 | 4.0 | |
| 1.00 | | | | | 6.2 | 4.2 | |
| 1.25 | | | | | 6.1 | 4.3 | |
| 1.50 | | | | | 5.9 | 3.3 | |
| 1.75 | | | | | 5.8 | 2.6 | |
| 2.00 | | | | | 5.5 | 1.9 | |
| 2.25 | | | | | 6.0 | 2.0 | |
| 2.75 | | | | | 5.8 | 1.9 | |
| 3.00 | | | | | 6.1 | 1.7 | |
| 3.25 | | | | | 6.0 | 1.9 | |
| 3.50 | | | | | 6.1 | 2.2 | |

Notes:

Location Near Caretakers house

Project: SEA

Site: 2151

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56 507031 mE
ZONE 56 506925 mE

7065115 mN
7064927 mN

Described By: Adams, J (Justin)

Date: 30-Sep-1999

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: No record
Element: plain
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: Kandosolic, Oxyaquic, HYDROSOL
GSG: No record

PPF: No record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| A1 | 0.00 to 0.25 | Black (10YR21) moist; heavy light clay; weak 2-5mm granular structure; moist when sampled; clear to; |
| A3 | 0.25 to 0.40 | Black (7.5YR2.51) moist; few 2-10% medium 5-15mm distinct orange mottles; heavy fine sandy light medium clay; weak 2-5mm granular structure; moist when sampled; abrupt to; |
| B21 | 0.40 to 0.50 | Grey (2.5Y61) moist; common 10-20% coarse 15-30mm distinct orange mottles; light medium clay; moist when sampled; abrupt to; |
| 2C1 | 0.50 to 0.90 | Grey (10YR61) moist; sand; single grain structure; moist when sampled; clear to; |
| 3C2 | 0.90 to 1.10 | Very dark grey (10YR31) moist; sand; single grain structure; moist when sampled; clear to; |
| 4C3 | 1.10 to 3.00 | Dark brown (10YR33) moist; coarse sand; very few <2% angular quartz small pebbles 2-6mm; single grain structure; moist when sampled; gradual to; |
| 4C4u | 3.00 to 4.60 | Dark olive brown (2.5Y33) moist; coarse sand; single grain structure; moist when sampled; |
| 4C5u | 4.60 to 5.90 | Olive grey (5Y52) moist; coarse sand; common 10-20% angular quartz medium pebbles 6-20mm; moist when sampled; |
| 4C6u | 5.90 to 6.00 | Grey (10YR61) moist; coarse sand; very few <2% angular quartz small pebbles 2-6mm; single grain structure; moist when sampled; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.8 | 2.4 | |
| 0.30 | | | | | 5.2 | 3.6 | |
| 0.60 | | | | | 5.5 | 4.1 | |
| 0.80 | | | | | 5.6 | 4.1 | |
| 1.00 | | | | | 5.8 | 4.3 | |
| 1.25 | | | | | 5.5 | 2.0 | |
| 1.50 | | | | | 5.5 | 2.3 | |
| 1.75 | | | | | 5.6 | 2.0 | |
| 2.00 | | | | | 5.6 | 2.1 | |
| 2.25 | | | | | 5.4 | 2.4 | |
| 2.50 | | | | | 5.3 | 2.6 | |
| 2.75 | | | | | 5.3 | 2.9 | |
| 3.00 | | | | | 5.4 | 2.7 | |
| 3.25 | | | | | 5.4 | 2.8 | |
| 3.50 | | | | | 5.3 | 2.9 | |
| 3.75 | | | | | 5.2 | 2.4 | |
| 4.00 | | | | | 5.4 | 2.5 | |
| 4.25 | | | | | 5.4 | 2.4 | |
| 4.50 | | | | | 5.5 | 2.6 | |
| 4.75 | | | | | 5.7 | 2.4 | |
| 5.00 | | | | | 5.8 | 2.0 | |
| 5.25 | | | | | 5.8 | 2.5 | |
| 5.50 | | | | | 5.8 | 2.6 | |
| 5.75 | | | | | 5.9 | 2.4 | |
| 6.00 | | | | | 6.2 | 2.0 | |

Project: SEA **Site:** 2152
Soil Name: No record

Location: GDA 94 ZONE 56 507368 mE 7061443 mN
Location: AGD 84 ZONE 56 507262 mE 7061255 mN

Described By: Adams, J (Justin)

Date: 30-Sep-1999

Landscape:

Geology: No record

Substrate Lithology: No record

Landform Pattern: alluvial plain

Element: plain

Runoff: No record

Permeability: No record

Microrelief: No record

Microrelief Component: No record

Drainage: No record

Slope: No record

Surface Coarse Fragments: No record

Surface Condition: No record

Classifications:

ASC: Grey, KANDOSOL

GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| A1 | 0.00 to 0.20 | Very dark grey (10YR31) moist; silty clay loam; clear to; |
| B21 | 0.20 to 0.40 | Dark greyish brown (10YR42) moist; few 2-10% medium 5-15mm distinct dark mottles; clayey sand; common 10-20% angular quartz small pebbles 2-6mm; clear to; |
| B22 | 0.40 to 0.50 | Yellowish brown (10YR56) moist; common 10-20% coarse 15-30mm prominent orange mottles; sandy loam; few 2-10% angular quartz medium pebbles 6-20mm; single grain structure; clear to; |
| B23 | 0.50 to 0.80 | Light grey (10YR71) moist; common 10-20% medium 5-15mm prominent orange mottles; coarse sandy clay loam; single grain structure; gradual to; |
| B24 | 0.80 to 1.20 | Light grey (10YR71) moist; few 2-10% medium 5-15mm prominent orange mottles; loamy coarse sand; single grain structure; gradual to; |
| B25 | 1.20 to 1.40 | White (10YR81) moist; few 2-10% fine <5mm prominent orange mottles; loamy coarse sand; single grain structure; gradual to; |
| B26 | 1.40 to 1.60 | White (10YR81) moist; many 20-50% very coarse >30mm prominent orange mottles; loamy coarse sand; single grain structure; gradual to; |
| B/C | 1.60 to 2.40 | Red (2.5YR46) moist; few 2-10% fine <5mm prominent grey, common 10-20% coarse 15-30mm prominent orange, few 2-10% medium 5-15mm prominent red mottles; loamy coarse sand; single grain structure; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 6.4 | 2.9 | |
| 0.30 | | | | | 5.4 | 2.8 | |
| 0.60 | | | | | 5.5 | 3.5 | |
| 0.80 | | | | | 5.3 | 3.2 | |
| 1.00 | | | | | 5.1 | 3.4 | |
| 1.25 | | | | | 5.0 | 3.4 | |
| 1.50 | | | | | 4.9 | 3.6 | |
| 1.75 | | | | | 5.0 | 3.2 | |
| 2.00 | | | | | 4.9 | 3.7 | |
| 2.25 | | | | | 4.8 | 4.1 | |

Notes:

Location Off landing south of Mountain View
Lithology Quite impenetrable residual material

Project: SEA

Site: 2153

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

507876 mE
507770 mE

7065460 mN
7065272 mN

Described By: Adams, J (Justin)

Date: 06-Oct-1999

Landscape:

Geology: No record

Landform Pattern: beach ridge plain

Runoff: No record

Microrelief: No record

Drainage: No record

Surface Coarse Fragments: No record

Surface Condition: firm

Substrate Lithology: No record

Element: beach ridge

Permeability: No record

Microrelief Component: No record

Slope: No record

Classifications:

ASC: Hypervescent, Semiaquic, PODOSOL

GSG: No record

PPF: No record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| A11 | 0.00 to 0.10 | Greyish brown (10YR52) moist; sand; single grain structure; dry when sampled; gradual to; |
| B21 | 0.10 to 0.40 | Light grey (10YR71) moist; few 2-10% medium 5-15mm distinct orange mottles; sand; single grain structure; abrupt to; |
| 2A1 | 0.40 to 0.50 | Very dark grey (10YR31) moist; fine sandy clay loam; massive structure; abrupt to; |
| 2A2e | 0.50 to 1.00 | Light grey (10YR72) moist; sand; single grain structure; gradual to; |
| 2B1 | 1.00 to 1.60 | Brown (10YR43) moist; sand; single grain structure; clear to; |
| 2Bs | 1.60 to 1.90 | Very dark greyish brown (10YR32) moist; sand; single grain structure; weakly cemented continuous massive organic pan; clear to; |
| 3C1 | 1.90 to 2.30 | Greyish brown (10YR52) moist; sand; single grain structure; gradual to; |
| 3C2 | 2.30 to 2.50 | Dark greyish brown (10YR42) moist; sand; single grain structure; gradual to; |
| 4C3 | 2.50 to 3.00 | Greyish brown (2.5Y53) moist; few 2-10% medium 5-15mm distinct dark mottles; sand; single grain structure; gradual to; |
| 5C4 | 3.00 to 3.40 | Dark greyish brown (2.5Y42) moist; coarse sand; single grain structure; gradual to; |
| 5C5 | 3.40 to 4.10 | Olive brown (2.5Y44) moist; coarse sand; single grain structure; clear to; |
| 6C6u | 4.10 to 4.80 | Olive grey (5Y52) moist; sand; single grain structure; clear to; |
| 7C7u | 4.80 to 5.70 | Grey (2.5Y61) moist; sand; single grain structure; abrupt to; |
| 8C8u | 5.70 to 6.00 | Dark greenish grey (10Y41) moist; silty light clay; massive structure; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.8 | 3.7 | |
| 0.30 | | | | | 5.1 | 4.7 | |
| 0.60 | | | | | 5.5 | 4.7 | |
| 0.80 | | | | | 5.7 | 5.0 | |
| 1.00 | | | | | 5.8 | 5.1 | |
| 1.25 | | | | | 5.7 | 4.3 | |
| 1.50 | | | | | 6.0 | 2.0 | |
| 1.75 | | | | | 6.3 | 3.0 | |
| 2.00 | | | | | 6.4 | 1.8 | |
| 2.25 | | | | | 5.6 | 2.3 | |
| 2.50 | | | | | 5.3 | 2.3 | |
| 2.75 | | | | | 5.4 | 1.7 | |
| 3.25 | | | | | 5.6 | 1.7 | |
| 3.50 | | | | | 5.5 | 1.7 | |
| 3.75 | | | | | 4.9 | 1.9 | |
| 4.00 | | | | | 5.5 | 1.6 | |
| 4.25 | | | | | 5.7 | 1.9 | |
| 4.50 | | | | | 5.9 | 1.9 | |
| 4.75 | | | | | 6.0 | 1.8 | |
| 5.00 | | | | | 6.1 | 1.8 | |
| 5.25 | | | | | 6.1 | 1.8 | |
| 5.50 | | | | | 6.2 | 1.6 | |
| 5.75 | | | | | 6.0 | 1.6 | |
| 6.00 | | | | | 6.4 | 1.6 | |

Notes:

Project: SEA **Site:** 2154
Soil Name: No record
Location: GDA 94 ZONE 56 506259 mE 7067352 mN
Location: AGD 84 ZONE 56 506153 mE 7067164 mN
Described By: Adams, J (Justin) **Date:** 06-Oct-1999

Landscape:

Geology: No record **Substrate Lithology:** No record
Landform Pattern: beach ridge plain **Element:** beach ridge
Runoff: No record **Permeability:** No record
Microrelief: No record **Microrelief Component:** No record
Drainage: No record **Slope:** No record
Surface Coarse Fragments: No record
Surface Condition: No record

Classifications:

ASC: Humose-magnesian, Semiaquic, PODOSOL
GSG: No record **PPF:** No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| A11 | 0.00 to 0.10 | Very dark grey (2.5Y31) moist; loamy sand; single grain structure; dry when sampled; clear to; |
| A21e | 0.10 to 0.30 | Light grey (10YR71) moist; sand; single grain structure; moist when sampled; clear to; |
| A22e | 0.30 to 0.65 | White (10YR81) moist; sand; single grain structure; moist when sampled; abrupt to; |
| B21h | 0.65 to 1.30 | Black (10YR20) moist; sand; massive structure; weakly cemented continuous massive organic pan; moist when sampled; gradual to; |
| B22hs | 1.30 to 2.00 | Dark brown (7.5YR32) moist; sand; single grain structure; moist when sampled; gradual to; |
| 2C1 | 2.00 to 2.70 | Dark brown (7.5YR34) moist; few 2-10% medium 5-15mm distinct pale mottles; sand; single grain structure; moist when sampled; clear to; |
| 2C2 | 2.70 to 3.50 | Light olive brown (2.5Y54) moist; sand; single grain structure; moist when sampled; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.5 | 3.5 | |
| 0.30 | | | | | 4.6 | 4.0 | |
| 0.60 | | | | | 5.6 | 4.7 | |
| 0.80 | | | | | 5.4 | 3.7 | |
| 1.00 | | | | | 5.5 | 3.7 | |
| 1.25 | | | | | 5.7 | 4.0 | |
| 1.50 | | | | | 5.8 | 4.7 | |
| 1.75 | | | | | 6.0 | 4.4 | |
| 2.00 | | | | | 5.9 | 5.0 | |
| 2.25 | | | | | 6.0 | 4.9 | |
| 2.50 | | | | | 5.7 | 4.7 | |
| 2.75 | | | | | 5.8 | 4.5 | |
| 3.00 | | | | | 5.8 | 1.8 | |
| 3.25 | | | | | 6.0 | 1.7 | |
| 3.50 | | | | | 5.9 | 1.7 | |

Notes:

Location At approx 100m north of old experimental farm reserve shed.

Project: SEA **Site:** 2155

Soil Name: No record

Location: GDA 94 **ZONE 56** 504850 mE 7066747 mN
Location: AGD 84 **ZONE 56** 504744 mE 7066559 mN

Described By: Adams, J (Justin)

Date: 07-Oct-1999

Landscape:

Geology: No record **Substrate Lithology:** No record
Landform Pattern: beach ridge plain **Element:** beach ridge
Runoff: No record **Permeability:** No record
Microrelief: No record **Microrelief Component:** No record
Drainage: No record **Slope:** No record
Surface Coarse Fragments: No record
Surface Condition: No record

Classifications:

ASC: Humic/humosesquic, Semiaquic, PODOSOL
GSG: No record **PPF:** No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| A1 | 0.00 to 0.30 | Dark grey (10YR41) moist; heavy clay loam, sandy; moist when sampled; diffuse to; |
| A12 | 0.30 to 0.50 | Grey (10YR51) moist; heavy sandy clay loam; moist when sampled; gradual to; |
| A21 | 0.50 to 0.70 | Grey (2.5Y61) moist; sand; single grain structure; moist when sampled; clear to; |
| A22 | 0.70 to 0.90 | Grey (10YR61) moist; sand; single grain structure; moist when sampled; |
| B21h | 0.90 to 1.30 | Black (10YR21) moist; sand; single grain structure; weakly cemented continuous massive organic pan; moist when sampled; gradual to; |
| B22hs | 1.30 to 1.90 | Dark yellowish brown (10YR44) moist; sand; single grain structure; organic pan; moist when sampled; gradual to; |
| 2C1 | 1.90 to 2.50 | Yellowish brown (10YR54) moist; sand; single grain structure; moist when sampled; gradual to; |
| 3C2u | 2.50 to 2.80 | Brown (10YR43) moist; coarse sand; very few <2% angular quartz small pebbles 2-6mm; single grain structure; moist when sampled; clear to; |
| 4C3u | 2.80 to 3.40 | Greyish brown (2.5Y53) moist; sand; single grain structure; moist when sampled; abrupt to; |
| 4C4u | 3.40 to 4.20 | Dark grey (5Y41) moist; sand; single grain structure; moist when sampled; clear to; |
| 5C5u | 4.20 to 4.80 | Silty light clay; massive structure; moist when sampled; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 5.0 | 2.6 | |
| 0.30 | | | | | 4.8 | 3.0 | |
| 0.60 | | | | | 5.0 | 4.2 | |
| 0.80 | | | | | 5.1 | 3.1 | |
| 1.00 | | | | | 5.3 | 2.3 | |
| 1.25 | | | | | 5.3 | 2.6 | |
| 1.50 | | | | | 5.4 | 3.3 | |
| 1.75 | | | | | 5.3 | 3.7 | |
| 2.00 | | | | | 5.4 | 4.0 | |
| 2.25 | | | | | 5.2 | 3.8 | |
| 2.50 | | | | | 5.6 | 2.8 | |
| 2.75 | | | | | 5.8 | 2.4 | |
| 3.00 | | | | | 5.7 | 2.1 | |
| 3.25 | | | | | 5.6 | 1.7 | |
| 3.50 | | | | | 6.0 | 1.9 | |
| 3.75 | | | | | 6.2 | 1.8 | |
| 4.00 | | | | | 6.4 | 1.9 | |
| 4.25 | | | | | 6.5 | 1.8 | |
| 4.50 | | | | | 6.4 | 1.5 | |
| 4.75 | | | | | 6.5 | 1.9 | |

Notes:

Location Back of quarry
Soil Typical coffee - sand - mud sequence

Project: SEA

Site: 2156

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56 505714 mE
ZONE 56 505608 mE

7066547 mN
7066359 mN

Described By: Adams, J (Justin)

Date: 07-Oct-1999

Landscape:

Geology: No record
Landform Pattern: beach ridge plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: firm

Substrate Lithology: No record
Element: beach ridge
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: Humic/humosesquic, Semiaquic, PODOSOL

GSG: No record

PPF: No record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| A1 | 0.00 to 0.10 | Black (2.5Y21) moist; loamy sand; single grain structure; moist when sampled; clear to; |
| A2e | 0.10 to 0.30 | Light grey (10YR71) moist; sand; single grain structure; moist when sampled; clear to; |
| B21 | 0.30 to 0.45 | Brown (7.5YR44) moist; sand; single grain structure; moist when sampled; clear to; |
| B22 | 0.45 to 0.65 | Pale brown (10YR63) moist; sand; single grain structure; moist when sampled; clear to; |
| B23 | 0.65 to 1.40 | Dark reddish brown (5YR2.52) moist; sand; single grain structure; moist when sampled; gradual to; |
| B24h | 1.40 to 1.80 | Black (10YR21) moist; sand; single grain structure; weakly cemented continuous massive organic pan; moist when sampled; gradual to; |
| B25s | 1.80 to 2.30 | Dark brown (7.5YR33) moist; sand; uncemented organic pan; moist when sampled; gradual to; |
| 2C1u | 2.30 to 3.90 | Greyish brown (2.5Y53) moist; sand; clear to; |
| 3C2u | 3.90 to 4.80 | Grey (2.5Y61) moist; sand; clear to; |
| 4C3u | 4.80 to 5.20 | Dark grey (5Y41) moist; sandy light clay; abrupt to; |
| 5C4u | 5.20 to 6.00 | Dark grey (5Y41) moist; silty light clay; massive structure; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 5.2 | 1.9 | |
| 0.30 | | | | | 5.3 | 2.4 | |
| 0.60 | | | | | 5.4 | 4.0 | |
| 0.80 | | | | | 5.6 | 3.9 | |
| 1.00 | | | | | 5.9 | 4.0 | |
| 1.25 | | | | | 5.8 | 4.1 | |
| 1.50 | | | | | 5.8 | 3.5 | |
| 1.75 | | | | | 5.8 | 3.5 | |
| 2.00 | | | | | 5.8 | 3.7 | |
| 2.25 | | | | | 5.9 | 2.5 | |
| 2.50 | | | | | 5.9 | 3.3 | |
| 2.75 | | | | | 5.8 | 3.3 | |
| 3.00 | | | | | 5.9 | 2.2 | |
| 3.25 | | | | | 6.0 | 2.1 | |
| 3.50 | | | | | 6.2 | 1.7 | |
| 3.75 | | | | | 6.5 | 1.8 | |
| 4.00 | | | | | 6.2 | 1.9 | |
| 4.25 | | | | | 6.2 | 1.7 | |
| 4.50 | | | | | 6.2 | 1.9 | |
| 4.75 | | | | | 6.3 | 1.9 | |
| 5.00 | | | | | 6.2 | 1.7 | |
| 5.25 | | | | | 6.4 | 1.8 | |
| 5.50 | | | | | 6.5 | 1.7 | |
| 5.75 | | | | | 6.4 | 1.8 | |
| 6.00 | | | | | 6.3 | 1.7 | |

Notes:

Location Approx 150m from sand extraction weighbridge beside road

Project: SEA

Site: 2157

Soil Name: No record

Location: GDA 94

ZONE 56

506255 mE

7066678 mN

Location: AGD 84

ZONE 56

506149 mE

7066490 mN

Described By: Adams, J (Justin)

Date: 20-Oct-1999

Landscape:

Geology: No record

Landform Pattern: beach ridge plain

Runoff: No record

Microrelief: No record

Drainage: No record

Surface Coarse Fragments: No record

Surface Condition: No record

Substrate Lithology: No record

Element: beach ridge

Permeability: No record

Microrelief Component: No record

Slope: No record

Classifications:

ASC: Humic/humosesquic, Semiaquic, PODOSOL

GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| A1 | 0.00 to 0.30 | Very dark grey (2.5Y31) moist; sand; single grain structure; moderately moist when sampled; clear to; |
| A2 | 0.30 to 0.60 | Grey (10YR61) moist; sand; single grain structure; moist when sampled; abrupt to; |
| B21h | 0.60 to 1.60 | Black (10YR21) moist; sand; massive structure; weakly cemented continuous massive organic pan; moist when sampled; abrupt to; |
| B22hs | 1.60 to 2.40 | Dark brown (7.5YR32) moist; sand; massive structure; organic pan; gradual to; |
| B2hs | 2.40 to 3.60 | Dark brown (7.5YR33) moist; sand; single grain structure; clear to; |
| 2C1u | 3.60 to 4.60 | Brown (10YR43) moist; sand; single grain structure; clear to; |
| 2C2u | 4.60 to 5.60 | Brown (10YR43) moist; coarse sand; very few <2% angular quartz small pebbles 2-6mm; gradual to; |
| 3C3u | 5.60 to 5.80 | Light grey (2.5Y71) moist; light sand; single grain structure; sharp to; |
| 4C4u | 5.80 to 6.50 | Dark grey (5Y41) moist; silty light clay; massive structure; clear to; |
| 4C5u | 6.50 to 6.80 | Dark grey (10YR41) moist; silty light clay; single grain structure; clear to; |
| 5D1 | 6.80 to 7.20 | Grey (2.5Y61) moist; medium heavy clay; single grain structure; |

Field Tests:

No Record

Notes:

Location Near Site No.749

Project: SEA

Site: 2158

Soil Name: No record

Location: GDA 94

ZONE 56

506081 mE

7066663 mN

Location: AGD 84

ZONE 56

505975 mE

7066475 mN

Described By: Smith, CD (Doug)

Date: 21-Oct-1999

Landscape:

Geology: No record

Landform Pattern: beach ridge plain

Runoff: No record

Microrelief: No record

Drainage: No record

Surface Coarse Fragments: No record

Surface Condition: No record

Substrate Lithology: No record

Element: plain

Permeability: No record

Microrelief Component: No record

Slope: 1 %

Classifications:

ASC: Humic, Aquic, PODOSOL

GSG: No record

PPF: No record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| A11 | 0.00 to 0.10 | Very dark grey (10YR31) moist; loamy sand; single grain structure; moist when sampled; clear to; |
| A12 | 0.10 to 0.25 | Dark grey (2.5Y41) moist; sand; single grain structure; moist when sampled; |
| A2 | 0.25 to 0.60 | Light grey (2.5Y71) moist; sand; single grain structure; moist when sampled; |
| B2h | 0.60 to 0.80 | Very dark grey (2.5Y31) moist; loamy sand; strongly cemented continuous massive organic pan; moist when sampled; |
| B22 | 0.80 to 1.80 | Dark brown (7.5YR32) moist; sand; single grain structure; moist when sampled; |
| B23h | 1.80 to 2.00 | Very dark grey (10YR31) moist; loamy sand; single grain structure; moderately cemented continuous massive organic pan; moist when sampled; |
| B24 | 2.00 to 2.40 | Dark brown (10YR33) moist; sand; single grain structure; moist when sampled; |
| B25h | 2.40 to 2.60 | Very dark brown (10YR22) moist; loamy sand; single grain structure; moderately cemented continuous massive organic pan; moist when sampled; |
| B26h | 2.60 to 4.00 | Very dark grey (7.5YR31) moist; sand; single grain structure; weakly cemented continuous massive organic pan; moist when sampled; |
| 2C1 | 4.00 to 4.40 | Dark brown (7.5YR32) moist; sand; single grain structure; moist when sampled; |
| 2C2 | 4.40 to 5.20 | Greyish brown (2.5Y53) moist; sand; single grain structure; |
| 2C3 | 5.20 to 5.50 | Dark grey (5Y41) moist; sand; single grain structure; moderately cemented discontinuous massive organic pan; moist when sampled; |
| 3C4u | 5.50 to 6.00 | Silty light medium clay; massive structure; wet when sampled; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.3 | 3.3 | |
| 0.30 | | | | | 4.5 | 4.0 | |
| 0.60 | | | | | 4.7 | 4.4 | |
| 0.80 | | | | | 4.5 | 3.4 | |
| 1.00 | | | | | 4.8 | 3.1 | |
| 1.50 | | | | | 4.4 | 3.2 | |
| 2.00 | | | | | 4.2 | 3.0 | |
| 2.25 | | | | | 5.5 | 2.4 | |
| 2.50 | | | | | 5.4 | 3.2 | |
| 2.75 | | | | | 5.4 | 1.7 | |
| 3.00 | | | | | 5.4 | 1.9 | |
| 3.25 | | | | | 5.6 | 1.8 | |
| 3.50 | | | | | 5.4 | 1.8 | |
| 3.75 | | | | | 5.0 | 2.0 | |
| 4.00 | | | | | 5.6 | 2.0 | |
| 4.25 | | | | | 5.6 | 2.0 | |
| 4.50 | | | | | 5.7 | 1.6 | |
| 4.75 | | | | | 5.5 | 1.5 | |
| 5.00 | | | | | 4.9 | 1.4 | |
| 5.50 | | | | | 5.7 | 1.7 | |
| 5.75 | | | | | 6.3 | 1.1 | |
| 6.00 | | | | | 6.2 | 1.1 | |

Notes:

Project: SEA **Site:** 2160

Soil Name: No record

Location: GDA 94 **ZONE** 56 505530 mE 7067635 mN
Location: AGD 84 **ZONE** 56 505424 mE 7067447 mN

Described By: Malcolm, D (Don)

Date: 26-Oct-1999

Landscape:

Geology: No record

Substrate Lithology: No record

Landform Pattern: alluvial plain

Element: plain

Runoff: No record

Permeability: No record

Microrelief: No record

Microrelief Component: No record

Drainage: No record

Slope: No record

Surface Coarse Fragments: No record

Surface Condition: No record

Classifications:

ASC: Humic, Aquic, PODOSOL

GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| A11 | 0.00 to 0.10 | Dark grey (10YR41) moist; fine sand; single grain structure; |
| A21e | 0.10 to 0.30 | Light brownish grey (10YR62) moist; fine sand; single grain structure; |
| A22 | 0.30 to 0.60 | Yellowish brown (10YR54) moist; fine sand; single grain structure; |
| Bs | 0.60 to 1.00 | Black (10YR21) moist; loamy fine sand; massive structure; weakly cemented continuous massive organic pan; |
| Bhs | 1.00 to 1.50 | Dark yellowish brown (10YR34) moist; fine sand; single grain structure; |
| 2B1hs | 1.50 to 1.70 | Dark yellowish brown (10YR34) moist; sand; few 2-10% subangular quartz small pebbles 2-6mm; single grain structure; |
| 2B2hs | 1.70 to 2.40 | Dark yellowish brown (10YR44) moist; sand; very few <2% subangular quartz small pebbles 2-6mm; single grain structure; |
| 3Bhs | 2.40 to 2.80 | Yellowish brown (10YR54) moist; fine sand; single grain structure; |
| 4C1 | 2.80 to 3.60 | Grey (10YR61) moist; fine sand; single grain structure; |
| 5C2 | 3.60 to 4.10 | Dark grey (2.5Y41) moist; fine sandy light clay; massive structure; |
| 6D1 | 4.10 to 4.50 | Greyish brown (2.5Y52) moist; very few <2% coarse 15-30mm distinct orange mottles; sandy light medium clay; moderate <2mm subangular blocky structure; |
| 6D2 | 4.50 to 4.80 | Grey (2.5Y61) moist; common 10-20% coarse 15-30mm distinct orange mottles; coarse sandy medium clay; moderate <2mm subangular blocky structure; |

Field Tests:

No Record

Notes:

Vegetation Banksia Heath

Project: SEA

Site: 2161

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

507236 mE
507130 mE

7067492 mN
7067304 mN

Described By: Malcolm, D (Don)

Date: 27-Oct-1999

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: No record
Element: plain
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: HYDROSOL / Tenosolic, Redoxic, HYDROSOL

GSG: No record

PPF: No record / No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| A1 | 0.00 to 0.10 | Very dark greyish brown (10YR32) moist; sandy loam; very few <2% angular sandstone medium pebbles 6-20mm; single grain structure; |
| A21 | 0.10 to 0.40 | Brownish yellow (10YR66) moist; common 10-20% coarse 15-30mm distinct orange mottles; sand; single grain structure; few 2-10% medium 2-6mm ferruginous nodules; |
| A21e | 0.40 to 1.00 | White (10YR82) moist; few 2-10% medium 5-15mm distinct orange mottles; sand; single grain structure; |
| A22 | 1.00 to 1.80 | Light grey (10YR72) moist; sand; single grain structure; |
| 2D1 | 1.80 to 2.20 | Light brownish grey (2.5Y62) moist; sandy light clay; massive structure; |
| 2D2 | 2.20 to 3.00 | Grey (2.5Y61) moist; coarse sandy light clay; massive structure; |
| 2D3 | 3.00 to 3.50 | Grey (5Y61) moist; coarse sandy medium clay; moderate <2mm subangular blocky structure; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 6.9 | 4.6 | |
| 0.30 | | | | | 8.9 | 5.3 | |
| 0.60 | | | | | 8.3 | 6.3 | |
| 0.80 | | | | | 9.3 | 6.2 | |
| 1.00 | | | | | 7.6 | 4.8 | |
| 1.25 | | | | | 7.9 | 5.3 | |
| 1.50 | | | | | 7.4 | 4.0 | |
| 1.75 | | | | | 7.0 | 2.2 | |
| 2.00 | | | | | 6.9 | 2.4 | |
| 2.25 | | | | | 7.3 | 3.4 | |
| 2.50 | | | | | 8.2 | 3.6 | |
| 2.75 | | | | | 8.6 | 2.7 | |
| 3.00 | | | | | 7.2 | 4.0 | |
| 3.25 | | | | | 8.1 | 3.0 | |
| 3.50 | | | | | 8.0 | 3.5 | |

Notes:

Site Wet surface

Project: SEA

Site: 2162

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

507635 mE
507529 mE

7056887 mN
7056699 mN

Described By: Adams, J (Justin)

Date: 11-Nov-1999

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: No record
Element: plain
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: Sesquic, Semiaquic, PODOSOL
GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| A1 | 0.00 to 0.20 | Very dark grey (2.5Y31) moist; fine sandy light clay; massive structure; moist when sampled; clear to; |
| B21 | 0.20 to 0.35 | Very dark grey (2.5Y31) moist; very few <2% fine <5mm distinct orange mottles; fine sandy light medium clay; massive structure; moist when sampled; clear to; |
| B22 | 0.35 to 0.50 | Very dark grey (2.5Y31) moist; common 10-20% coarse 15-30mm distinct orange mottles; medium heavy clay; massive structure; moist when sampled; abrupt to; |
| 2A2e | 0.50 to 0.90 | Light brownish grey (10YR62) moist; sand; single grain structure; moist when sampled; abrupt to; |
| 2B21h | 0.90 to 1.20 | Black (10YR21) moist; sand; massive structure; weakly cemented continuous massive organic pan; moist when sampled; gradual to; |
| 2B22hs | 1.20 to 1.70 | Black (10YR21) moist; very few <2% fine <5mm distinct brown mottles; sand; massive structure; weakly cemented continuous massive organic pan; moist when sampled; gradual to; |
| 2B23h | 1.70 to 2.40 | Black (10YR21) moist; sand; massive structure; moderately cemented continuous massive organic pan; moist when sampled; |
| 2B24s | 2.40 to 7.60 | Dark brown (7.5YR32) moist; heavy sand; single grain structure; wet when sampled; |
| 3C1u | 7.60 to 8.47 | Dark grey (5Y41) moist; sandy light clay; massive structure; wet when sampled; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 5.2 | 3.3 | |
| 0.30 | | | | | 5.8 | 3.5 | |
| 0.60 | | | | | 7.1 | 4.3 | |
| 0.80 | | | | | 6.4 | 3.8 | |
| 1.00 | | | | | 5.7 | 2.1 | |
| 1.25 | | | | | 5.8 | 1.7 | |
| 1.50 | | | | | 5.4 | 1.9 | |
| 1.75 | | | | | 5.7 | 1.7 | |
| 2.00 | | | | | 5.7 | 2.0 | |
| 2.25 | | | | | 5.8 | 1.6 | |
| 4.50 | | | | | 5.4 | 2.2 | |
| 6.00 | | | | | 5.4 | 2.1 | |
| 8.00 | | | | | 5.5 | 1.6 | |
| 8.40 | | | | | 5.7 | 1.6 | |

Notes:

Location Near Sunshine Motorway

Project: SEA

Site: 2163

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

508256 mE
508150 mE

7057138 mN
7056950 mN

Described By: Adams, J (Justin)

Date: 11-Nov-1999

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: No record
Element: plain
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: Humic/humosesquic, Semiaquic, PODOSOL

GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| A11 | 0.00 to 0.40 | Very dark grey (10YR31) moist; few 2-10% medium 5-15mm prominent pale mottles; loamy sand; single grain structure; moderately moist when sampled; abrupt to; |
| A12 | 0.40 to 0.90 | Very dark grey (10YR31) moist; few 2-10% medium 5-15mm distinct grey mottles; sand; single grain structure; moderately moist when sampled; abrupt to; |
| B21h | 0.90 to 1.30 | Bluish black (10B2.51) moist; sand; massive structure; moist when sampled; |
| B22h | 1.30 to 1.70 | Very dark grey (7.5YR31) moist; sand; massive structure; weakly cemented continuous massive organic pan; moist when sampled; gradual to; |
| 2C1 | 1.70 to 2.30 | Very dark greyish brown (2.5Y32) moist; sand; single grain structure; moist when sampled; gradual to; |
| 3C2 | 2.30 to 4.30 | Olive grey (5Y52) moist; coarse sand; single grain structure; moist when sampled; gradual to; |
| 3C3 | 4.30 to 6.00 | Greyish brown (2.5Y53) moist; sand; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.8 | 3.1 | |
| 0.30 | | | | | 4.6 | 4.0 | |
| 0.60 | | | | | 5.0 | 3.7 | |
| 0.80 | | | | | 5.6 | 0.9 | |
| 1.00 | | | | | 5.4 | 3.0 | |
| 1.25 | | | | | 5.9 | 3.9 | |
| 1.50 | | | | | 5.9 | 1.9 | |
| 1.75 | | | | | 6.0 | 1.8 | |
| 2.00 | | | | | 5.8 | 1.8 | |
| 2.25 | | | | | 6.0 | 1.5 | |
| 2.50 | | | | | 6.2 | 1.7 | |
| 2.75 | | | | | 6.4 | 1.8 | |
| 3.00 | | | | | 6.4 | 1.7 | |
| 3.25 | | | | | 6.5 | 1.6 | |
| 3.50 | | | | | 6.6 | 2.0 | |
| 3.75 | | | | | 6.4 | 2.1 | |
| 4.00 | | | | | 6.4 | 1.9 | |
| 4.25 | | | | | 6.4 | 2.1 | |
| 4.50 | | | | | 6.5 | 2.2 | |
| 4.75 | | | | | 6.9 | 2.3 | |
| 5.00 | | | | | 6.9 | 2.4 | |
| 5.25 | | | | | 6.4 | 2.4 | |
| 5.50 | | | | | 6.2 | 2.4 | |
| 5.75 | | | | | 6.9 | 2.4 | |
| 6.00 | | | | | 6.4 | 2.6 | |

Notes:

Location On corner of industrial area, near adandoned car

Project: SEA

Site: 2164

Soil Name: No record

Location: GDA 94

ZONE 56

508053 mE

7057644 mN

Location: AGD 84

ZONE 56

507947 mE

7057456 mN

Described By: Adams, J (Justin)

Date: 12-Nov-1999

Landscape:

Geology: No record

Landform Pattern: beach ridge plain

Runoff: No record

Microrelief: No record

Drainage: No record

Surface Coarse Fragments: No record

Surface Condition: No record

Substrate Lithology: No record

Element: beach ridge

Permeability: No record

Microrelief Component: No record

Slope: No record

Classifications:

ASC: Humic/humosesquic, Semiaquic, PODOSOL

GSG: No record

PPF: No record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| A11 | 0.00 to 0.20 | Very dark grey (2.5Y31) moist; loamy sand; single grain structure; moderately moist when sampled; gradual to; |
| A12 | 0.20 to 0.40 | Greyish brown (2.5Y53) moist; sand; single grain structure; moderately moist when sampled; gradual to; |
| A21e | 0.40 to 0.80 | Light grey (10YR72) moist; sand; single grain structure; gradual to; |
| B21h | 0.80 to 0.90 | Black (10YR21) moist; sand; single grain structure; moderately moist when sampled; abrupt to; |
| B22h | 0.90 to 2.25 | Very dark grey (10YR31) moist; sand; massive structure; moderately cemented continuous massive organic pan; moderately moist when sampled; gradual to; |
| B23h | 2.25 to 3.30 | Black (10YR21) moist; sand; massive structure; weakly cemented continuous massive organic pan; moderately moist when sampled; |
| B24hs | 3.30 to 3.60 | Very dark greyish brown (10YR32) moist; sand; massive structure; weakly cemented continuous massive organic pan; moderately moist when sampled; gradual to; |
| B25hs | 3.60 to 4.80 | Dark brown (7.5YR32) moist; sand; massive structure; weakly cemented continuous massive organic pan; moderately moist when sampled; |
| B26hs | 4.80 to 5.45 | Sand; massive structure; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 5.2 | 1.7 | |
| 0.30 | | | | | 6.5 | 3.1 | |
| 0.60 | | | | | 6.1 | 4.3 | |
| 0.80 | | | | | 6.3 | 2.9 | |
| 1.00 | | | | | 5.6 | 1.6 | |
| 1.25 | | | | | 5.4 | 2.5 | |
| 1.50 | | | | | 5.8 | 1.7 | |
| 1.75 | | | | | 6.1 | 1.3 | |
| 2.00 | | | | | 5.7 | 1.4 | |
| 2.25 | | | | | 5.6 | 1.7 | |
| 2.50 | | | | | 6.0 | 1.4 | |
| 2.75 | | | | | 6.0 | 1.5 | |
| 3.00 | | | | | 5.6 | 1.8 | |
| 3.25 | | | | | 5.5 | 1.5 | |
| 3.50 | | | | | 5.3 | 1.9 | |
| 3.75 | | | | | 5.0 | 2.8 | |
| 4.00 | | | | | 5.5 | 2.6 | |
| 4.25 | | | | | 5.6 | 2.7 | |
| 4.50 | | | | | 6.5 | 2.7 | |
| 4.75 | | | | | 5.4 | 2.4 | |
| 5.00 | | | | | 5.3 | 2.2 | |
| 5.25 | | | | | 5.9 | 2.2 | |
| 5.45 | | | | | 5.2 | 1.8 | |

Notes:

Location Near Maroochy airport in heathland

Site Under the B horizon (4.8 - 5.45m) lies poorly sorted brown sand.

Project: SEA

Site: 2165

Soil Name: No record

Location: GDA 94

Location: AGD 84

ZONE 56

ZONE 56

507031 mE

506925 mE

7058063 mN

7057875 mN

Described By: Adams, J (Justin)

Date: 24-Nov-1999

Landscape:

Geology: No record

Landform Pattern: alluvial plain

Runoff: No record

Microrelief: No record

Drainage: No record

Surface Coarse Fragments: No record

Surface Condition: No record

Substrate Lithology: No record

Element: plain

Permeability: No record

Microrelief Component: No record

Slope: No record

Classifications:

ASC: PODOSOL

GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|-------------|
| A11 | 0.00 to 0.10 | |
| A12 | 0.10 to 0.60 | Sand; |
| A2 | 0.60 to 1.00 | Sand; |

Field Tests:

No Record

Notes:

Site Dark organic sands. Higher salt content. Not as well sorted as the material near the airport.

Project: SEA

Site: 2166

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

506872 mE
506766 mE

7057512 mN
7057324 mN

Described By: Adams, J (Justin)

Date: 24-Nov-1999

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: No record
Element: plain
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: PODOSOL
GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

Not Recorded

Field Tests:

No Record

Notes:

Lithology Similar to 2165. Went to 8.1m. Non indurated podzolic sands/loams.

Project: SEA

Site: 2167

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56 507306 mE
ZONE 56 507200 mE

7059248 mN
7059060 mN

Described By: Smith, CD (Doug)

Date: 25-Nov-1999

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: No record
Element: plain
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: PODOSOL
GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

Not Recorded

Field Tests:

No Record

Notes:

Lithology Drill augered to 8.1m. Got suspicious material 6-7m.

Project: SEA

Site: 2168

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56 507484 mE
ZONE 56 507378 mE

7056344 mN
7056156 mN

Described By: Adams, J (Justin)

Date: 25-Nov-1999

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: No record
Element: plain
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: PODOSOL

GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| A1 | 0.00 to 1.10 | Black (10YR21) moist; sandy medium clay; |
| 2C1 | 1.10 to 1.40 | Grey (10YR51) moist; sand; |
| 3C2u | 1.40 to 2.50 | Dark grey (5Y41) moist; silty light clay; |
| 4C3u | 2.50 to 2.70 | Very dark grey (10YR31) moist; clay loam, sandy; |
| 5C4u | 2.70 to 3.30 | Grey (10YR61) moist; few 2-10% medium 5-15mm distinct brown mottles; sand; |
| 6C5u | 3.30 to 4.25 | Black (10YR21) moist; heavy clay loam; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.30 | | | | | 5.3 | 2.9 | |
| 0.60 | | | | | 5.9 | 2.9 | |
| 0.80 | | | | | 5.9 | 3.0 | |
| 1.25 | | | | | 6.4 | 2.1 | |
| 1.50 | | | | | 6.1 | 1.2 | |
| 1.75 | | | | | 6.6 | 1.3 | |
| 2.00 | | | | | 6.4 | 1.1 | |
| 2.25 | | | | | 6.5 | 1.2 | |
| 2.50 | | | | | 6.6 | 1.0 | |
| 2.75 | | | | | 6.6 | 0.9 | |
| 3.00 | | | | | 6.6 | 1.0 | |
| 3.25 | | | | | 6.6 | 0.9 | |
| 3.50 | | | | | 6.4 | 5.0 | |

Notes:

Location At the end of Menzies Road in the lower part. Coffee rock around higher parts.
Site Horizon 4C3u - Fibrous roots present
Site Horizon 6C5 - Peat present
Texture Coffee rock below 6C5 horizon, from 4.25 - 4.50m (DOA).

Project: SEA **Site:** 2169

Soil Name: No record

Location: GDA 94 **ZONE 56** 507674 mE 7059133 mN
Location: AGD 84 **ZONE 56** 507568 mE 7058945 mN

Described By: Adams, J (Justin)

Date: 29-Nov-1999

Landscape:

Geology: No record

Landform Pattern: alluvial plain

Runoff: No record

Microrelief: No record

Drainage: No record

Surface Coarse Fragments: No record

Surface Condition: No record

Substrate Lithology: No record

Element: plain

Permeability: No record

Microrelief Component: No record

Slope: No record

Classifications:

ASC: PODOSOL

GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| C1 | 0.00 to 4.00 | Dark reddish brown (5YR32) moist; sand; |
| C2 | 4.00 to 4.70 | Brown (7.5YR44) moist; sand; |
| C3 | 4.70 to 6.00 | Brown (10YR43) moist; sand; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 3.00 | | | | | 5.3 | 2.0 | |
| 3.25 | | | | | 5.5 | 2.3 | |
| 3.50 | | | | | 5.4 | 2.0 | |
| 3.75 | | | | | 5.8 | 2.2 | |
| 4.00 | | | | | 5.6 | 2.3 | |
| 4.25 | | | | | 5.7 | 1.9 | |
| 4.50 | | | | | 5.4 | 2.1 | |
| 4.75 | | | | | 5.9 | 2.0 | |
| 5.00 | | | | | 5.9 | 1.9 | |
| 5.25 | | | | | 6.0 | 1.9 | |
| 5.50 | | | | | 6.1 | 1.8 | |
| 5.75 | | | | | 5.9 | 1.9 | |
| 6.00 | | | | | 5.8 | 1.9 | |

Notes:

Lithology

Possible pyritic sand from 4.7m. Well sorted sands.

Site

Coffee to approx 3.5m. Used solid flights to 3.6m and then vibrocorer to 6.0m.

Project: SEA

Site: 2170

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

507263 mE
507157 mE

7057294 mN
7057106 mN

Described By: Adams, J (Justin)

Date: 21-Dec-1999

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: No record
Element: plain
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: PODOSOL

GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| Bhs | 2.70 to 4.00 | Sand; moderately cemented continuous massive alcrete; |
| B | 4.00 to 5.00 | Very dark greyish brown (10YR32) moist; sand; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 2.75 | | | | | | 2.2 | |
| 3.00 | | | | | | 2.2 | |
| 3.25 | | | | | | 2.3 | |
| 3.50 | | | | | | 2.3 | |
| 3.75 | | | | | | 2.1 | |
| 4.00 | | | | | | 2.2 | |
| 4.25 | | | | | | 2.3 | |
| 4.50 | | | | | | 2.4 | |
| 4.75 | | | | | | 2.4 | |
| 5.00 | | | | | | 2.6 | |

Notes:

Location On the edge of Melaleuca swamp.
Site Solids to 2.7m and vibrocorer to 5.0m.
Soil Solid coffee rock to approx 4m and then reasonably well sorted sand.

Project: SEA **Site:** 2171

Soil Name: No record

Location: GDA 94 ZONE 56 507329 mE 7058000 mN
Location: AGD 84 ZONE 56 507223 mE 7057812 mN

Described By: Adams, J (Justin)

Date: 01-Dec-1999

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: No record
Element: plain
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: PODOSOL

GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| B | 3.75 to 6.00 | Very dark greyish brown (10YR32) moist; sand; single grain structure; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 3.75 | | | | | 6.2 | 2.8 | |
| 4.00 | | | | | 6.1 | 2.5 | |
| 4.25 | | | | | 6.1 | 2.7 | |
| 4.50 | | | | | 5.6 | 2.6 | |
| 4.75 | | | | | 5.6 | 2.5 | |
| 5.00 | | | | | 5.6 | 2.7 | |
| 5.25 | | | | | 5.7 | 2.7 | |
| 5.50 | | | | | 5.7 | 2.9 | |
| 5.75 | | | | | 5.8 | 2.5 | |

Notes:

Location On the roadside beside cane near Finland Road overpass.
Lithology Similar to previous sites. Reasonably well sorted from 3.6m.

Project: SEA

Site: 2172

Soil Name: No record

Location: GDA 94 ZONE 56 507806 mE 7059920 mN
Location: AGD 84 ZONE 56 507700 mE 7059732 mN

Described By: Malcolm, D (Don)

Date: 02-Dec-1999

Landscape:

Geology: No record

Landform Pattern: alluvial plain

Runoff: No record

Microrelief: No record

Drainage: No record

Surface Coarse Fragments: No record

Surface Condition: No record

Substrate Lithology: No record

Element: plain

Permeability: No record

Microrelief Component: No record

Slope: No record

Classifications:

ASC: Humic, Semiaquic, PODOSOL

GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| A1 | 0.00 to 0.50 | Very dark grey (10YR31) moist; fine sandy clay loam; weak 2-5mm granular structure; |
| B21 | 0.50 to 0.70 | Very dark greyish brown (10YR32) moist; common 10-20% medium 5-15mm distinct orange mottles; fine sandy light medium clay; massive structure; |
| 2B2 | 0.70 to 0.90 | Dark grey (2.5Y41) moist; common 10-20% medium 5-15mm distinct orange mottles; sandy light clay; massive structure; |
| 2C1 | 0.90 to 1.10 | Dark grey (2.5Y41) moist; sandy light clay; massive structure; |
| 3A21 | 1.10 to 1.75 | Light grey (10YR71) moist; sand; single grain structure; |
| 3A22 | 1.75 to 2.50 | Greyish brown (10YR52) moist; sand; single grain structure; uncemented not known, historical data; |
| 3B21h | 2.50 to 3.00 | Dark greyish brown (10YR42) moist; sand; single grain structure; weakly cemented continuous massive organic pan; |
| 3B22h | 3.00 to 3.10 | Black (10YR21) moist; loamy sand; massive structure; moderately cemented continuous massive organic pan; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.5 | 2.6 | |
| 0.30 | | | | | 4.0 | 2.8 | |
| 0.60 | | | | | 4.5 | 3.0 | |
| 0.80 | | | | | 4.4 | 2.8 | |
| 1.00 | | | | | 5.2 | 3.0 | |
| 1.25 | | | | | 5.3 | 2.6 | |
| 1.50 | | | | | 5.5 | 2.4 | |
| 1.75 | | | | | 5.3 | 2.4 | |
| 2.00 | | | | | 5.6 | 2.6 | |
| 2.25 | | | | | 5.8 | 3.0 | |
| 2.50 | | | | | 5.2 | 3.0 | |
| 2.75 | | | | | 4.9 | 2.7 | |
| 3.00 | | | | | 4.8 | 2.0 | |

Notes:

Location Towards the end of Finland Road at the edge of a cane paddock.

Project: SEA

Site: 2173

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

508103 mE
507997 mE

7059131 mN
7058943 mN

Described By: Malcolm, D (Don)

Date: 02-Dec-1999

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: No record
Element: plain
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: Sesquic, Semiaquic, PODOSOL
GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| A1 | 0.00 to 0.50 | Very dark grey (10YR31) moist; fine sandy clay loam; weak 2-5mm granular structure; |
| B21 | 0.50 to 0.70 | Dark grey (10YR41) moist; few 2-10% medium 5-15mm distinct orange mottles; fine sandy light medium clay; moderate 2-5mm subangular blocky structure; |
| 2B2 | 0.70 to 0.80 | Grey (10YR51) moist; sandy light clay; moderate 2-5mm subangular blocky structure; |
| 2C1 | 0.80 to 1.00 | Grey (10YR51) moist; sandy light clay; massive structure; |
| 3Bs | 1.00 to 1.80 | Greyish brown (10YR52) moist; sand; single grain structure; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.8 | 3.5 | |
| 0.30 | | | | | 4.6 | 3.3 | |
| 0.60 | | | | | 4.8 | 3.6 | |
| 0.80 | | | | | 4.8 | 3.6 | |
| 1.00 | | | | | 4.9 | 3.6 | |
| 1.25 | | | | | 4.8 | 2.6 | |
| 1.50 | | | | | 5.3 | 2.8 | |
| 1.75 | | | | | 5.6 | 2.5 | |

Notes:

Site Vibrocorer stopped by hard coffee rock. Some fell out of the tube - probably 0.2m.

Project: SEA

Site: 2176

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56 507289 mE
ZONE 56 507183 mE

7057561 mN
7057373 mN

Described By: Adams, J (Justin)

Date: 09-Dec-1999

Landscape:

Geology: No record
Landform Pattern: No record
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: No record
Element: No record
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: PODOSOL / PODOSOL

GSG: No record

PPF: No record / No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| A1 | 0.00 to 0.30 | |
| A2e | 0.30 to 0.60 | |
| B2h | 0.60 to 2.70 | Sand; |
| B2s | 2.70 to 4.10 | Black (10YR21) moist; sand; massive structure; |

Field Tests:

No Record

Notes:

Location Site about 400m N of Finland Pk in recently cultivated cane.
Site Screw auger to 2.7m; then Vibrocorer to 4.1m.
Soil Typical Podzol profile. A1 over bleached A2 over Coffee sand/rock.

Project: SEA **Site:** 2177

Soil Name: No record

Location: GDA 94 **ZONE** 56 506762 mE 7056448 mN
Location: AGD 84 **ZONE** 56 506656 mE 7056260 mN

Described By: Adams, J (Justin)

Date: 09-Dec-1999

Landscape:

Geology: No record **Substrate Lithology:** No record
Landform Pattern: alluvial plain **Element:** plain
Runoff: No record **Permeability:** No record
Microrelief: No record **Microrelief Component:** No record
Drainage: No record **Slope:** No record
Surface Coarse Fragments: No record
Surface Condition: No record

Classifications:

ASC: Sulfidic, Redoxic, HYDROSOL
GSG: No record **PPF:** No record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| A1 | 0.00 to 0.30 | Very dark grey (10YR31) moist; heavy clay loam; moderately moist when sampled; clear to; |
| B21 | 0.30 to 0.50 | Grey (N50) moist; few 2-10% fine <5mm distinct orange mottles; medium clay; moderately moist when sampled; clear to; |
| B22 | 0.50 to 0.75 | Dark greenish grey (10Y41) moist; few 2-10% fine <5mm distinct orange mottles; sandy clay loam; moderately moist when sampled; clear to; |
| 2C1 | 0.75 to 1.10 | Grey (5Y51) moist; few 2-10% medium 5-15mm distinct brown mottles; sand; moist when sampled; clear to; |
| 3C2u | 1.10 to 1.50 | Dark grey (5Y41) moist; very few <2% fine <5mm distinct brown mottles; loamy sand; few 2-10% angular shell large pebbles 20-60mm; wet when sampled; abrupt to; |
| 3C3u | 1.50 to 1.70 | Grey (5Y51) moist; coarse sand; very few <2% angular shell cobbles 60-200mm; moist when sampled; gradual to; |
| 3C4u | 1.70 to 3.50 | Grey (2.5Y51) moist; coarse sand; moist when sampled; gradual to; |
| 3C5u | 3.50 to 4.70 | Grey (2.5Y61) moist; coarse sand; moist when sampled; |

Project: SEA **Site:** 2177

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 5.5 | 2.4 | |
| 0.30 | | | | | 7.4 | 5.0 | |
| 0.60 | | | | | 7.5 | 4.8 | |
| 0.80 | | | | | 7.0 | 3.7 | |
| 1.00 | | | | | 6.9 | 1.6 | |
| 1.25 | | | | | 7.3 | 2.3 | |
| 1.50 | | | | | 7.2 | 2.2 | |
| 1.75 | | | | | 6.3 | 2.3 | |
| 2.00 | | | | | 6.1 | 2.1 | |
| 2.25 | | | | | 6.2 | 2.1 | |
| 2.50 | | | | | 5.9 | 2.1 | |
| 2.75 | | | | | 6.2 | 2.1 | |
| 3.00 | | | | | 6.2 | 1.6 | |
| 3.25 | | | | | 6.0 | 1.6 | |
| 3.50 | | | | | 5.8 | 1.6 | |
| 3.75 | | | | | 5.8 | 1.6 | |
| 4.00 | | | | | 5.8 | 1.7 | |
| 4.25 | | | | | 5.9 | 1.8 | |
| 4.50 | | | | | 6.2 | 1.9 | |
| 4.69 | | | | | 6.4 | 1.9 | |

Notes:

Location Adjacent to Melaleuca forest
Soil Possible channel sediment

Project: SEA

Site: 2178

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

507072 mE
506966 mE

7056365 mN
7056177 mN

Described By: Adams, J (Justin)

Date: 09-Dec-1999

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: No record
Element: plain
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: Sulfuric, Redoxic, HYDROSOL / Sulfidic, Oxyaquic, HYDROSOL

GSG: No record

PPF: No record / No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| A1 | 0.00 to 0.35 | Very dark grey (10YR31) moist; very few <2% fine <5mm faint orange mottles; clay loam; weak 2-5mm granular structure; dry when sampled; gradual to; |
| B21 | 0.35 to 0.45 | Dark grey (10YR41) moist; few 2-10% fine <5mm distinct orange mottles; sandy light clay; dry when sampled; gradual to; |
| B22 | 0.45 to 0.65 | Grey (10YR51) moist; common 10-20% coarse 15-30mm distinct orange mottles; sandy light medium clay; moderately moist when sampled; gradual to; |
| 2B23 | 0.65 to 0.90 | Greyish brown (10YR52) moist; common 10-20% coarse 15-30mm distinct orange mottles; sand; moderately moist when sampled; gradual to; |
| 2B24ia | 0.90 to 1.50 | Grey (10YR51) moist; very few <2% fine <5mm distinct yellow jarositic (from pyrite), very few <2% fine <5mm distinct orange mottles; sand; moist when sampled; clear to; |
| 2C1u | 1.50 to 2.50 | Grey (10YR51) moist; sand; moist when sampled; clear to; |
| 2C2u | 2.50 to 3.30 | Dark grey (2.5Y41) moist; sand; moist when sampled; clear to; |
| 3D1 | 3.30 to 3.70 | Grey (2.5Y51) moist; few 2-10% medium 5-15mm distinct brown mottles; fibric sandy loam; moist when sampled; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.6 | 2.0 | |
| 0.30 | | | | | 4.2 | 2.4 | |
| 0.60 | | | | | 4.4 | 2.4 | |
| 0.80 | | | | | 4.3 | 2.6 | |
| 1.00 | | | | | 4.2 | 2.8 | |
| 1.25 | | | | | 4.9 | 2.7 | |
| 1.50 | | | | | 6.3 | 2.9 | |
| 1.75 | | | | | 6.6 | 1.9 | |
| 2.00 | | | | | 6.7 | 2.2 | |
| 2.25 | | | | | 6.1 | 2.0 | |
| 2.50 | | | | | 4.6 | 1.8 | |
| 2.75 | | | | | 4.9 | 1.9 | |
| 3.00 | | | | | 5.9 | 1.8 | |
| 3.25 | | | | | 6.3 | 1.8 | |
| 3.50 | | | | | 6.7 | 1.9 | |

Notes:

Location Site - approx. 250m E 2177.
Site Horizon 3D1 - Organic fragments
Soil Stopped at 3.7m by very hard material --> coffee rock?

Project: SEA

Site: 2179

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56 507080 mE
ZONE 56 506974 mE

7055867 mN
7055679 mN

Described By: Adams, J (Justin)

Date: 09-Dec-1999

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: No record
Element: plain
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: Sulfuric, Redoxic, HYDROSOL / Sulfidic, Oxyaquic, HYDROSOL

GSG: No record

PPF: No record / No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| A11 | 0.00 to 0.10 | Black (10YR21) moist; sandy clay loam; massive structure; dry when sampled; clear to; |
| 2C1 | 0.10 to 0.35 | Grey (10YR51) moist; few 2-10% medium 5-15mm faint orange mottles; clayey sand; single grain structure; dry when sampled; gradual to; |
| 2C2 | 0.35 to 0.50 | Grey (10YR51) moist; few 2-10% medium 5-15mm distinct orange mottles; sand; single grain structure; moderately moist when sampled; clear to; |
| 2C3 | 0.50 to 1.20 | Grey (10YR51) moist; sand; single grain structure; moderately moist when sampled; gradual to; |
| 3C4u | 1.20 to 1.70 | Dark grey (2.5Y41) moist; coarse sand; very few <2% angular shell small pebbles 2-6mm; single grain structure; moist when sampled; clear to; |
| 3C5u | 1.70 to 1.90 | Dark grey (2.5Y41) moist; sand; many 20-50% angular shell medium pebbles 6-20mm; single grain structure; moist when sampled; clear to; |
| 3C6u | 1.90 to 2.50 | Grey (2.5Y51) moist; sand; common 10-20% angular shell small pebbles 2-6mm; single grain structure; moist when sampled; gradual to; |
| 3C7u | 2.50 to 3.20 | Grey (10YR61) moist; few 2-10% medium 5-15mm distinct dark mottles; sand; few 2-10% angular shell medium pebbles 6-20mm; single grain structure; moist when sampled; gradual to; |
| 3C8u | 3.20 to 3.40 | Dark grey (2.5Y41) moist; sand; single grain structure; moist when sampled; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 6.4 | 5.0 | |
| 0.30 | | | | | 8.0 | 5.9 | |
| 0.60 | | | | | 8.0 | 2.4 | |
| 0.80 | | | | | 7.4 | 2.0 | |
| 1.00 | | | | | 7.2 | 1.9 | |
| 1.25 | | | | | 7.4 | 2.8 | |
| 1.50 | | | | | 7.5 | 3.2 | |
| 1.75 | | | | | 7.7 | 4.0 | |
| 2.00 | | | | | 8.0 | 4.2 | |
| 2.25 | | | | | 7.7 | 2.0 | |
| 2.50 | | | | | 7.5 | 2.0 | |
| 2.75 | | | | | 7.2 | 2.0 | |
| 3.00 | | | | | 7.3 | 1.8 | |
| 3.25 | | | | | 7.3 | 1.7 | |

Notes:

Vegetation Melaleuca and phragmites

Project: SEA

Site: 2180

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

506520 mE
506414 mE

7057572 mN
7057384 mN

Described By: Adams, J (Justin)

Date: 11-Jan-2000

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: No record
Element: plain
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: Semiaquic, PODOSOL
GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| A1 | 0.00 to 0.30 | Black (10YR21) moist; clay loam, sandy; weak 2-5mm granular, weak 2-5mm subangular blocky structure; moderately moist when sampled; clear to; |
| B21 | 0.30 to 0.45 | Grey (10YR51) moist; few 2-10% medium 5-15mm distinct orange mottles; sandy light clay; weak 2-5mm granular structure; moderately moist when sampled; abrupt to; |
| 2B22 | 0.45 to 0.70 | Grey (10YR51) moist; common 10-20% medium 5-15mm prominent orange mottles; sand; single grain structure; moderately moist when sampled; clear to; |
| 2B23 | 0.70 to 1.20 | Grey (10YR51) moist; few 2-10% medium 5-15mm prominent orange, few 2-10% medium 5-15mm distinct pale mottles; sand; single grain structure; moist when sampled; gradual to; |
| 2B24 | 1.20 to 1.35 | Grey (10YR51) moist; few 2-10% medium 5-15mm distinct pale mottles; sand; single grain structure; moist when sampled; clear to; |
| 2B25 | 1.35 to 1.70 | Grey (2.5Y51) moist; few 2-10% medium 5-15mm distinct pale, few 2-10% medium 5-15mm prominent orange, very few <2% fine <5mm distinct brown mottles; sand; single grain structure; moist when sampled; clear to; |
| 3C1 | 1.70 to 2.05 | Very dark grey (5Y31) moist; very few <2% fine <5mm distinct brown mottles; sand; single grain structure; moist when sampled; abrupt to; |
| 4D1 | 2.05 to 2.20 | Very dark brown (10YR22) moist; sand; massive structure; moist when sampled; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.6 | 1.9 | |
| 0.60 | | | | | 4.5 | 2.6 | |
| 0.80 | | | | | 4.4 | 2.7 | |
| 1.00 | | | | | 4.6 | 2.0 | |
| 1.25 | | | | | 6.3 | 1.9 | |
| 1.50 | | | | | 6.0 | 2.9 | |
| 1.75 | | | | | 5.7 | 1.6 | |
| 2.00 | | | | | 5.8 | 1.6 | |
| 2.20 | | | | | 5.7 | 1.2 | |

Notes:

Site

Site near cane cutters cottage. Coffee rock.

Project: SEA

Site: 2181

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

506577 mE
506471 mE

7057791 mN
7057603 mN

Described By: Adams, J (Justin)

Date: 11-Jan-2000

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: No record
Element: plain
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: Semiaquic, PODOSOL

GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| A11 | 0.00 to 0.25 | Black (10YR21) moist; fine sandy clay loam; moderately moist when sampled; gradual to; |
| A12 | 0.25 to 0.40 | Very dark grey (10YR31) moist; few 2-10% fine <5mm distinct orange mottles; clay loam, sandy; moderately moist when sampled; clear to; |
| 2B22 | 0.40 to 0.60 | Grey (10YR51) moist; common 10-20% medium 5-15mm distinct orange mottles; sand; single grain structure; moderately moist when sampled; clear to; |
| 2B23 | 0.60 to 1.10 | Grey (10YR61) moist; common 10-20% coarse 15-30mm prominent orange mottles; sand; single grain structure; moist when sampled; abrupt to; |
| 3D1 | 1.10 to 1.20 | Very dark brown (10YR22) moist; sand; massive structure; moderately cemented continuous massive organic pan; moist when sampled; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.3 | 1.8 | |
| 0.30 | | | | | 4.2 | 2.2 | |
| 0.60 | | | | | 4.2 | 2.6 | |
| 0.80 | | | | | 4.2 | 3.0 | |
| 1.00 | | | | | 4.5 | 2.1 | |
| 1.20 | | | | | 4.9 | 1.7 | |

Notes:

Project: SEA

Site: 2182

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

506906 mE
506800 mE

7057653 mN
7057465 mN

Described By: Adams, J (Justin)

Date: 11-Jan-2000

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: No record
Element: plain
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: Semiaquic, PODOSOL
GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| A11 | 0.00 to 0.30 | Black (10YR21) moist; sandy clay loam; single grain structure; gradual to; |
| A12 | 0.30 to 0.50 | Dark grey (10YR41) moist; very few <2% fine <5mm distinct orange mottles; clay loam, sandy; single grain structure; gradual to; |
| A13 | 0.50 to 0.70 | Dark grey (10YR41) moist; few 2-10% fine <5mm distinct orange mottles; clay loam, sandy; single grain structure; clear to; |
| A2e | 0.70 to 0.90 | Light grey (10YR71) moist; few 2-10% fine <5mm distinct orange, very few <2% fine <5mm distinct brown mottles; sand; single grain structure; abrupt to; |
| B21h | 0.90 to 1.00 | Very dark brown (10YR22) moist; sand; massive structure; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.1 | 2.2 | |
| 0.30 | | | | | 3.6 | 2.4 | |
| 0.60 | | | | | 3.7 | 2.5 | |
| 0.80 | | | | | 4.2 | 2.9 | |

Notes:

Project: SEA **Site:** 2183

Soil Name: No record

Location: GDA 94 **ZONE** 56 506566 mE 7055785 mN
Location: AGD 84 **ZONE** 56 506460 mE 7055597 mN

Described By: Adams, J (Justin)

Date: 11-Jan-2000

Landscape:

Geology: No record **Substrate Lithology:** No record
Landform Pattern: alluvial plain **Element:** plain
Runoff: No record **Permeability:** No record
Microrelief: No record **Microrelief Component:** No record
Drainage: No record **Slope:** No record
Surface Coarse Fragments: No record
Surface Condition: No record

Classifications:

ASC: Oxyaquic, HYDROSOL
GSG: No record **PPF:** No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| A1 | 0.00 to 0.25 | Very dark grey (10YR31) moist; very few <2% fine <5mm prominent orange mottles; light clay; weak 2-5mm granular structure; moderately moist when sampled; gradual to; |
| B21 | 0.25 to 0.50 | Dark grey (10YR41) moist; few 2-10% medium 5-15mm distinct pale, very few <2% fine <5mm distinct orange mottles; sandy light clay; moderately moist when sampled; clear to; |
| 2C1 | 0.50 to 1.10 | Grey (10YR61) moist; sand; single grain structure; moderately moist when sampled; gradual to; |
| 2C2 | 1.10 to 1.40 | Light brownish grey (10YR62) moist; few 2-10% fine <5mm distinct orange mottles; sand; single grain structure; moderately moist when sampled; gradual to; |
| 2C3 | 1.40 to 1.70 | Greenish grey (10Y51) moist; sand; single grain structure; moist when sampled; abrupt to; |
| 3C4u | 1.70 to 2.30 | Dark grey (5Y41) moist; sand; single grain structure; moist when sampled; gradual to; |
| 3C5u | 2.30 to 3.60 | Grey (10YR61) moist; sand; single grain structure; moist when sampled; sharp to; |
| 4C6u | 3.60 to 4.60 | Dark grey (5Y41) moist; sand; few 2-10% angular shell small pebbles 2-6mm; single grain structure; moist when sampled; clear to; |
| 4C7u | 4.60 to 5.00 | Dark grey (5Y41) moist; sand; few 2-10% angular shell medium pebbles 6-20mm; single grain structure; moist when sampled; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.1 | 2.8 | |
| 0.30 | | | | | 4.5 | 3.1 | |
| 0.60 | | | | | 4.7 | 4.1 | |
| 0.80 | | | | | 4.8 | 4.0 | |
| 1.00 | | | | | 4.7 | 4.1 | |
| 1.25 | | | | | 4.4 | 3.7 | |
| 1.50 | | | | | 4.7 | 2.7 | |
| 1.75 | | | | | 4.7 | 1.8 | |
| 2.00 | | | | | 5.0 | 1.7 | |
| 2.25 | | | | | 4.8 | 1.8 | |
| 2.50 | | | | | 5.2 | 1.9 | |
| 2.75 | | | | | 5.1 | 1.4 | |
| 3.00 | | | | | 5.5 | 1.7 | |
| 3.25 | | | | | 6.7 | 1.6 | |
| 3.50 | | | | | 7.2 | 1.9 | |
| 3.75 | | | | | 7.3 | 1.4 | |
| 4.00 | | | | | 7.3 | 1.5 | |
| 4.25 | | | | | 7.3 | 1.3 | |
| 4.50 | | | | | 7.4 | 1.8 | |
| 4.75 | | | | | 7.2 | 2.3 | |
| 5.00 | | | | | 7.0 | 2.6 | |

Notes:

Location Site on headland near sheds

Project: SEA

Site: 2184

Location: GDA 94 ZONE 56 506914 mE 7055635 mN
Location: AGD 84 ZONE 56 506808 mE 7055447 mN

Described By: Adams, J (Justin)

Date: 12-Jan-2000

Landscape:

Geology: No record

Substrate Lithology: No record

Landform Pattern: alluvial plain

Element: plain

Classifications:

ASC: Sulfidic, Redoxic, HYDROSOL

GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| A1 | 0.00 to 0.15 | Black (10YR21) moist; heavy fine sandy clay loam; weak 2-5mm granular structure; moderately moist when sampled; gradual to; |
| B21 | 0.15 to 0.30 | Black (10YR21) moist; very few <2% fine <5mm faint orange mottles; sandy light medium clay; massive structure; moderately moist when sampled; gradual to; |
| 2C1 | 0.30 to 0.45 | Bluish black (10B2.51, 10B2.51) moist; few 2-10% medium 5-15mm prominent orange mottles; loamy sand; single grain structure; moderately moist when sampled; abrupt to; |
| 2C2 | 0.45 to 1.20 | Grey (2.5Y61) moist; few 2-10% medium 5-15mm distinct grey, few 2-10% medium 5-15mm distinct orange, very few <2% fine <5mm distinct brown mottles; sand; single grain structure; moderately moist when sampled; clear to; |
| 3C3u | 1.20 to 1.50 | Very dark grey (5Y31) moist; clay loam, sandy; massive structure; moist when sampled; clear to; |
| 4C4u | 1.50 to 2.00 | Dark grey (5Y41) moist; sand; single grain structure; moist when sampled; clear to; |
| 4C5u | 2.00 to 3.80 | Grey (2.5Y61) moist; very few <2% fine <5mm faint orange mottles; sand; single grain structure; moist when sampled; abrupt to; |
| 5C6u | 3.80 to 3.90 | Dark grey (2.5Y41) moist; sand; common 10-20% angular shell small pebbles 2-6mm; single grain structure; moist when sampled; abrupt to; |
| 6C7u | 3.90 to 4.30 | Grey (2.5Y61) moist; sand; single grain structure; moist when sampled; gradual to; |
| 7C8u | 4.30 to 4.90 | Dark grey (2.5Y41) moist; few 2-10% fine <5mm distinct brown mottles; sandy loam; few 2-10% angular shell small pebbles 2-6mm; single grain structure; moist when sampled; clear to; |
| 8C9u | 4.90 to 5.30 | Light brownish grey (2.5Y62) moist; sand; single grain structure; moist when sampled; |

Project: SEA

Site: 2184

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 5.4 | 2.4 | |
| 0.30 | | | | | 4.6 | 2.0 | |
| 0.60 | | | | | 4.9 | 2.2 | |
| 0.80 | | | | | 5.6 | 1.7 | |
| 1.00 | | | | | 5.7 | 1.9 | |
| 1.25 | | | | | 5.2 | 1.8 | |
| 1.50 | | | | | 4.8 | 1.5 | |
| 1.75 | | | | | 4.6 | 1.7 | |
| 2.00 | | | | | 4.9 | 1.7 | |
| 2.25 | | | | | 5.6 | 1.8 | |
| 2.50 | | | | | 6.9 | 1.6 | |
| 2.75 | | | | | 7.0 | 1.7 | |
| 3.00 | | | | | 7.4 | 1.6 | |
| 3.25 | | | | | 7.2 | 1.8 | |
| 3.50 | | | | | 7.2 | 1.7 | |
| 3.75 | | | | | 7.3 | 1.6 | |
| 4.00 | | | | | 7.4 | 2.0 | |
| 4.25 | | | | | 7.6 | 1.8 | |
| 4.50 | | | | | 7.3 | 2.2 | |
| 4.75 | | | | | 7.5 | 2.1 | |
| 5.00 | | | | | 7.7 | 1.8 | |
| 5.25 | | | | | 7.3 | 2.0 | |

Notes:

Location Near roundabout off David Low Way

Project: SEA

Site: 2185

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

506678 mE
506572 mE

7056001 mN
7055813 mN

Described By: Adams, J (Justin)

Date: 12-Jan-2000

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: hard setting

Substrate Lithology: No record
Element: plain
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: Sulfidic, Redoxic, HYDROSOL

GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| A11 | 0.00 to 0.40 | Very dark grey (10YR31) moist; fine sandy clay loam; moderate 2-5mm subangular blocky structure; |
| A12 | 0.40 to 0.65 | Very dark grey (10YR31) moist; few 2-10% medium 5-15mm distinct orange mottles; heavy fine sandy clay loam; moderate 2-5mm subangular blocky structure; |
| 2C1 | 0.65 to 1.00 | Dark grey (2.5Y41) moist; few 2-10% medium 5-15mm distinct orange, very few <2% fine <5mm distinct brown mottles; sand; single grain structure; |
| 2C2 | 1.00 to 1.60 | Light grey (2.5Y71) moist; few 2-10% medium 5-15mm distinct brown mottles; sand; single grain structure; |
| 3C3u | 1.60 to 3.10 | Dark grey (5Y41) moist; sand; single grain structure; |
| 4C4u | 3.10 to 3.40 | Grey (2.5Y61) moist; very few <2% fine <5mm distinct brown mottles; sand; single grain structure; |
| 4C5u | 3.40 to 4.30 | Grey (2.5Y61) moist; sand; few 2-10% angular shell medium pebbles 6-20mm; single grain structure; |
| 4C6 | 4.30 to 5.00 | Grey (2.5Y61) moist; very few <2% fine <5mm distinct brown mottles; sand; single grain structure; |
| 5C7 | 5.00 to 5.20 | Dark grey (5Y41) moist; fine sandy light clay; massive structure; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 5.8 | 2.7 | |
| 0.30 | | | | | 6.1 | 2.2 | |
| 0.60 | | | | | 5.6 | 3.1 | |
| 0.80 | | | | | 6.3 | 3.0 | |
| 1.00 | | | | | 6.9 | 4.0 | |
| 1.25 | | | | | 7.2 | 3.8 | |
| 1.50 | | | | | 7.2 | 3.6 | |
| 1.75 | | | | | 7.2 | 1.8 | |
| 2.00 | | | | | 7.4 | 1.5 | |
| 2.25 | | | | | 7.2 | 1.9 | |
| 2.50 | | | | | 7.4 | 1.8 | |
| 2.75 | | | | | 7.5 | 1.8 | |
| 3.00 | | | | | 7.4 | 1.9 | |
| 3.25 | | | | | 7.4 | 2.7 | |
| 3.50 | | | | | 7.4 | 1.9 | |
| 3.75 | | | | | 7.8 | 2.0 | |
| 4.00 | | | | | 8.0 | 1.7 | |
| 4.25 | | | | | 7.9 | 4.0 | |
| 4.50 | | | | | 8.0 | 4.0 | |
| 4.75 | | | | | 7.8 | 2.3 | |
| 5.00 | | | | | 7.6 | 3.3 | |

Notes:

Location Near Melaleucas

Project: SEA

Site: 2186

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

506960 mE
506854 mE

7056998 mN
7056810 mN

Described By: Adams, J (Justin)

Date: 19-Jan-2000

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: No record
Element: plain
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: Semiaquic, PODOSOL
GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| A1 | 0.00 to 0.35 | Very dark grey (10YR31) moist; sandy clay loam; dry when sampled; sharp to; |
| 2C1 | 0.35 to 0.70 | Black (7.5YR2.51) moist; common 10-20% coarse 15-30mm distinct orange mottles; sand; single grain structure; moderately moist when sampled; sharp to; |
| 3B21 | 0.70 to 0.80 | Dark grey (10YR41) moist; few 2-10% fine <5mm distinct orange mottles; light medium clay; moderately moist when sampled; sharp to; |
| 4C2 | 0.80 to 1.10 | Grey (10YR51) moist; few 2-10% medium 5-15mm distinct orange mottles; sand; moderately moist when sampled; clear to; |
| 5C3u | 1.10 to 1.40 | Grey (2.5Y51) moist; sand; few 2-10% angular shell small pebbles 2-6mm; moderately moist when sampled; sharp to; |
| 5C4u | 1.40 to 1.50 | Grey (2.5Y51) moist; very few <2% fine <5mm distinct brown mottles; sandy clay loam; moist when sampled; sharp to; |
| 6C5 | 1.50 to 1.90 | Olive grey (5Y52) moist; sand; very few <2% angular shell small pebbles 2-6mm; moist when sampled; |
| 7D1 | 1.90 to 2.70 | Black (10YR21) moist; sand; massive structure; moderately cemented continuous massive organic pan; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 7.5 | 3.6 | |
| 0.30 | | | | | 7.2 | 5.0 | |
| 0.60 | | | | | 6.7 | 4.9 | |
| 0.80 | | | | | 6.9 | 5.0 | |
| 1.00 | | | | | 7.1 | 4.6 | |
| 1.25 | | | | | 7.2 | 2.5 | |
| 1.50 | | | | | 7.0 | 2.5 | |
| 1.75 | | | | | 7.3 | 2.1 | |
| 2.00 | | | | | 6.4 | 2.5 | |
| 2.25 | | | | | 6.6 | 2.4 | |
| 2.50 | | | | | 6.6 | 2.2 | |

Notes:

Location Finland Road off road near main drain

Project: SEA

Site: 2187

Soil Name: No record

Location: GDA 94 ZONE 56 506042 mE 7057472 mN
Location: AGD 84 ZONE 56 505936 mE 7057284 mN

Described By: Adams, J (Justin)

Date: 19-Jan-2000

Landscape:

Geology: No record

Substrate Lithology: No record

Landform Pattern: alluvial plain

Element: plain

Runoff: No record

Permeability: No record

Microrelief: No record

Microrelief Component: No record

Drainage: No record

Slope: No record

Surface Coarse Fragments: No record

Surface Condition: No record

Classifications:

ASC: Semiaquic, PODOSOL

GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| A1 | 0.00 to 0.40 | Very dark grey (10YR31) moist; clay loam; weak 2-5mm granular structure; gradual to; |
| A12 | 0.40 to 0.50 | Dark grey (10YR41) moist; very few <2% medium 5-15mm distinct orange mottles; heavy sandy clay loam; massive structure; abrupt to; |
| B21 | 0.50 to 0.70 | Greenish grey (5GY51) moist; common 10-20% coarse 15-30mm prominent orange mottles; sandy clay loam; single grain structure; gradual to; |
| B22 | 0.70 to 0.90 | Dark grey (5Y41) moist; common 10-20% coarse 15-30mm prominent orange mottles; clay loam, sandy; massive structure; clear to; |
| 2C1u | 0.90 to 1.30 | Dark grey (2.5Y41) moist; clay loam, sandy; massive structure; |
| 2C2u | 1.30 to 2.00 | Dark grey (5Y41) moist; clayey sand; single grain structure; |
| 3C3u | 2.00 to 2.80 | Dark grey (2.5Y41) moist; sand; single grain structure; |
| 4C4u | 2.80 to 3.20 | Grey (2.5Y51) moist; clayey sand; few 2-10% angular shell medium pebbles 6-20mm; massive structure; |
| 5D1 | 3.20 to 3.60 | Black (10YR21) moist; sand; massive structure; moderately cemented continuous massive organic pan; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 5.1 | 2.8 | |
| 0.30 | | | | | 5.0 | 3.0 | |
| 0.60 | | | | | 6.3 | 5.0 | |
| 0.80 | | | | | 6.7 | 5.0 | |
| 1.00 | | | | | 6.7 | 2.8 | |
| 1.25 | | | | | 6.9 | 1.9 | |
| 1.50 | | | | | 7.0 | 1.9 | |
| 1.75 | | | | | 7.0 | 1.7 | |
| 2.00 | | | | | 7.2 | 1.0 | |
| 2.25 | | | | | 7.1 | 1.9 | |
| 2.50 | | | | | 7.1 | 1.8 | |
| 2.75 | | | | | 7.0 | 2.0 | |
| 3.00 | | | | | 6.7 | 2.1 | |
| 3.25 | | | | | 6.7 | 1.6 | |
| 3.50 | | | | | 6.5 | 3.0 | |

Notes:

Location Near river - Iron staining in nearby drain

Project: SEA

Site: 2188

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56 507190 mE
ZONE 56 507084 mE

7056701 mN
7056513 mN

Described By: Adams, J (Justin)

Date: 20-Jan-2000

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: No record
Element: drainage depression
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: Semiaquic, PODOSOL
GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| A11 | 0.00 to 0.20 | Very dark greyish brown (10YR32) moist; common 10-20% medium 5-15mm distinct orange mottles; sandy loam; single grain structure; dry when sampled; clear to; |
| A12 | 0.20 to 0.40 | Very dark greyish brown (2.5Y32) moist; few 2-10% medium 5-15mm distinct orange mottles; sandy clay loam; moderately moist when sampled; abrupt to; |
| A13 | 0.40 to 0.50 | Very dark greyish brown (2.5Y32) moist; very few <2% fine <5mm distinct orange mottles; sandy clay loam; moderately moist when sampled; clear to; |
| 2C1 | 0.50 to 0.70 | Greyish brown (10YR52) moist; few 2-10% medium 5-15mm distinct orange mottles; sand; moderately moist when sampled; clear to; |
| 2C2 | 0.70 to 0.90 | Grey (2.5Y51) moist; very few <2% fine <5mm faint orange mottles; sand; moderately moist when sampled; clear to; |
| 3A1 | 0.90 to 1.00 | Black (10YR21) moist; sand; moderately moist when sampled; gradual to; |
| 4C2u | 1.00 to 1.30 | Dark grey (5Y41) moist; very few <2% fine <5mm faint orange mottles; sandy light clay; massive structure; moderately moist when sampled; gradual to; |
| 5C3u | 1.30 to 1.80 | Light brownish grey (2.5Y62) moist; few 2-10% medium 5-15mm distinct grey mottles; sand; single grain structure; moist when sampled; gradual to; |
| 5C4u | 1.80 to 2.50 | Grey (2.5Y51) moist; sand; wet when sampled; gradual to; |
| 6C5u | 2.50 to 2.70 | Dark grey (5Y41) moist; clay loam, sandy; wet when sampled; gradual to; |
| 6C6u | 2.70 to 3.15 | Dark grey (5Y41) moist; sandy clay loam; clear to; |
| 7D1 | 3.15 to 3.50 | Black (10YR21) moist; sand; moderately cemented continuous massive organic pan; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 5.2 | 2.2 | |
| 0.30 | | | | | 5.0 | 2.4 | |
| 0.60 | | | | | 6.8 | 3.8 | |
| 0.80 | | | | | 7.1 | 1.9 | |
| 1.00 | | | | | 6.5 | 2.3 | |
| 1.25 | | | | | 6.6 | 2.0 | |
| 1.50 | | | | | 6.7 | 2.2 | |
| 1.75 | | | | | 6.7 | 1.9 | |
| 2.25 | | | | | 6.9 | 2.4 | |
| 2.50 | | | | | 6.5 | 2.1 | |
| 2.75 | | | | | 6.7 | 2.5 | |
| 3.00 | | | | | 6.6 | 1.9 | |
| 3.25 | | | | | 6.8 | 1.6 | |
| 3.50 | | | | | 6.8 | 1.8 | |

Notes:

Project: SEA

Site: 2189

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

507475 mE
507369 mE

7056875 mN
7056687 mN

Described By: Adams, J (Justin)

Date: 20-Jan-2000

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: No record
Element: plain
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: Semiaquic, PODOSOL
GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| A1 | 0.00 to 0.20 | Dark greenish grey (10Y31) moist; clay loam, sandy; moderate 2-5mm granular structure; moderately moist when sampled; gradual to; |
| B21 | 0.20 to 0.50 | Grey (10YR51) moist; many 20-50% medium 5-15mm prominent orange mottles; sandy light clay; single grain structure; moderately moist when sampled; gradual to; |
| B22 | 0.50 to 0.80 | Grey (10YR61) moist; common 10-20% medium 5-15mm prominent orange mottles; clay loam, sandy; single grain structure; moderately moist when sampled; gradual to; |
| 2C1 | 0.80 to 1.10 | Dark grey (2.5Y41) moist; sand; single grain structure; moderately moist when sampled; gradual to; |
| 2C2 | 1.10 to 1.30 | Grey (2.5Y61) moist; sand; moderately moist when sampled; abrupt to; |
| 3D1 | 1.30 to 2.10 | Black (10YR21) moist; sand; massive structure; moderately cemented continuous massive organic pan; moderately moist when sampled; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.7 | 2.3 | |
| 0.30 | | | | | 4.3 | 2.7 | |
| 0.60 | | | | | 4.5 | 2.9 | |
| 0.80 | | | | | 4.7 | 3.7 | |
| 1.00 | | | | | 5.7 | 2.3 | |
| 1.25 | | | | | 5.7 | 0.7 | |
| 1.50 | | | | | 5.2 | 2.0 | |
| 1.75 | | | | | 5.3 | 1.8 | |
| 2.00 | | | | | 5.6 | 1.7 | |

Notes:

Location Near motorway western side

Project: SEA

Site: 2190

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

506908 mE
506802 mE

7056599 mN
7056411 mN

Described By: Adams, J (Justin)

Date: 20-Jan-2000

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: hard setting

Substrate Lithology: No record
Element: plain
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: Sulfidic, Redoxic, HYDROSOL

GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| Ap | 0.00 to 0.20 | Black (10YR21) moist; sandy medium clay; weak 2-5mm subangular blocky structure; |
| 2C1 | 0.20 to 0.45 | Grey (2.5Y61) moist; many 20-50% coarse 15-30mm prominent orange mottles; sand; single grain structure; |
| 2C2 | 0.45 to 0.80 | Grey (2.5Y61) moist; very few <2% fine <5mm faint orange mottles; sand; single grain structure; |
| 2C3 | 0.80 to 1.30 | Grey (10YR51) moist; sand; single grain structure; |
| 3C4u | 1.30 to 2.40 | Dark grey (5Y41) moist; sand; |
| 4C5u | 2.40 to 2.80 | Very dark grey (5Y31) moist; clay loam, sandy; few 2-10% angular shell small pebbles 2-6mm; |
| 5C6u | 2.80 to 2.95 | Grey (10YR61) moist; sand; few 2-10% angular shell small pebbles 2-6mm; |
| 6C7u | 2.95 to 3.25 | Very dark grey (5Y31) moist; sandy clay loam; |
| 6C8u | 3.25 to 3.70 | Grey (5Y51) moist; sandy clay loam; |
| 7C9u | 3.70 to 4.30 | Grey (10YR61) moist; sand; |
| 8C10u | 4.30 to 4.80 | Dark grey (5Y41) moist; silty light clay; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 5.9 | 3.0 | |
| 0.30 | | | | | 7.8 | 5.0 | |
| 0.60 | | | | | 8.9 | 5.7 | |
| 0.80 | | | | | 8.9 | 5.6 | |
| 1.00 | | | | | 8.6 | 3.0 | |
| 1.25 | | | | | 8.4 | 5.0 | |
| 1.50 | | | | | 8.3 | 1.9 | |
| 1.75 | | | | | 8.0 | 2.0 | |
| 2.00 | | | | | 8.0 | 1.8 | |
| 2.25 | | | | | 7.9 | 1.9 | |
| 2.50 | | | | | 7.7 | 1.9 | |
| 2.75 | | | | | 7.6 | 1.7 | |
| 3.00 | | | | | 7.6 | 1.8 | |
| 3.25 | | | | | 7.4 | 1.8 | |
| 3.50 | | | | | 7.2 | 1.7 | |
| 3.75 | | | | | 7.7 | 1.9 | |
| 4.00 | | | | | 7.4 | 2.4 | |
| 4.25 | | | | | 7.2 | 2.4 | |
| 4.50 | | | | | 7.4 | 2.2 | |
| 4.75 | | | | | 8.0 | 2.0 | |

Notes:

Project: SEA

Site: 2191

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

506355 mE
506249 mE

7056398 mN
7056210 mN

Described By: Adams, J (Justin)

Date: 21-Jan-2000

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: No record
Element: plain
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: Redoxic, HYDROSOL
GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| A11 | 0.00 to 0.15 | Black (7.5YR2.51) moist; very few <2% fine <5mm faint orange, very few <2% fine <5mm faint pale mottles; light clay; gradual to; |
| B21 | 0.15 to 0.30 | Dark grey (2.5Y41) moist; few 2-10% fine <5mm distinct orange mottles; light medium clay; gradual to; |
| B22 | 0.30 to 0.40 | Black (2.5Y21) moist; few 2-10% fine <5mm distinct orange mottles; fine sandy light clay; gradual to; |
| 2C1 | 0.40 to 0.70 | Dark grey (N40) moist; few 2-10% medium 5-15mm distinct orange mottles; sandy clay loam; gradual to; |
| 3C2u | 0.70 to 1.10 | Grey (2.5Y51) moist; few 2-10% fine <5mm distinct orange mottles; sand; gradual to; |
| 3C3u | 1.10 to 1.45 | Greyish brown (2.5Y53) moist; common 10-20% coarse 15-30mm distinct orange mottles; sand; clear to; |
| 4C4u | 1.45 to 1.90 | Dark grey (2.5Y41) moist; sand; gradual to; |
| 5C5u | 1.90 to 2.30 | Dark grey (2.5Y41) moist; sand; few 2-10% angular shell large pebbles 20-60mm; weakly cemented continuous concretionary thin ironpan; gradual to; |
| 6C6u | 2.30 to 3.10 | Dark grey (5Y41) moist; sand; very few <2% angular shell small pebbles 2-6mm; clear to; |
| 7C7u | 3.10 to 4.00 | Very dark grey (5Y31) moist; fine sandy light clay; very few <2% angular shell small pebbles 2-6mm; |
| 8C8u | 4.00 to 4.80 | Dark grey (5Y41) moist; sand; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 5.7 | 2.5 | |
| 0.30 | | | | | 6.9 | 3.4 | |
| 0.60 | | | | | 7.0 | 1.8 | |
| 0.80 | | | | | 7.2 | 1.9 | |
| 1.00 | | | | | 7.1 | 2.2 | |
| 1.25 | | | | | 7.1 | 2.8 | |
| 1.50 | | | | | 7.2 | 6.9 | |
| 1.75 | | | | | 7.3 | 2.0 | |
| 2.00 | | | | | 7.6 | 2.1 | |
| 2.25 | | | | | 7.5 | 2.4 | |
| 2.50 | | | | | 7.4 | 2.6 | |
| 2.75 | | | | | 7.4 | 2.2 | |
| 3.00 | | | | | 7.4 | 2.0 | |
| 3.25 | | | | | 7.5 | 2.6 | |
| 3.50 | | | | | 7.8 | 2.4 | |
| 3.75 | | | | | 7.7 | 1.9 | |
| 4.00 | | | | | 7.8 | 2.0 | |
| 4.25 | | | | | 7.9 | 1.8 | |
| 4.50 | | | | | 7.8 | 1.9 | |
| 4.75 | | | | | 8.1 | 2.1 | |

Notes:

Site

Low area

Project: SEA

Site: 2192

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

505933 mE
505827 mE

7057196 mN
7057008 mN

Described By: Adams, J (Justin)

Date: 21-Jan-2000

Landscape:

Geology: No record
Landform Pattern: plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: No record
Element: supratidal flat
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: Sulfidic, Oxyaquic, HYDROSOL

GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| A1 | 0.00 to 0.25 | Very dark grey (10YR31) moist; light clay; |
| B21 | 0.25 to 0.40 | Very dark grey (2.5Y31) moist; common 10-20% medium 5-15mm distinct orange mottles; sandy light medium clay; |
| 2C1 | 0.40 to 0.55 | Grey (2.5Y51) moist; few 2-10% medium 5-15mm distinct orange mottles; sand; |
| 2C2u | 0.55 to 0.80 | Grey (2.5Y61) moist; few 2-10% fine <5mm distinct orange mottles; sand; |
| 2C3u | 0.80 to 1.00 | Grey (10YR61) moist; sand; single grain structure; |
| 3C4u | 1.00 to 2.30 | Grey (5Y51) moist; sand; single grain structure; |
| 4C5u | 2.30 to 4.40 | Dark greenish grey (5GY41) moist; silty light clay; common 10-20% angular shell small pebbles 2-6mm; massive structure; |
| 5C6u | 4.40 to 4.80 | Grey (2.5Y51) moist; sand; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 6.2 | 2.7 | |
| 0.30 | | | | | 7.1 | 4.8 | |
| 0.60 | | | | | 7.0 | 4.0 | |
| 0.80 | | | | | 6.8 | 2.0 | |
| 1.00 | | | | | 6.4 | 2.0 | |
| 1.25 | | | | | 6.8 | 1.8 | |
| 1.50 | | | | | 6.4 | 1.7 | |
| 1.75 | | | | | 6.8 | 1.8 | |
| 2.00 | | | | | 6.7 | 2.0 | |
| 2.25 | | | | | 6.4 | 2.0 | |
| 2.50 | | | | | 6.9 | 1.9 | |
| 2.75 | | | | | 7.1 | 2.0 | |
| 3.00 | | | | | 7.2 | 1.9 | |
| 3.25 | | | | | 6.8 | 2.5 | |
| 3.50 | | | | | 6.7 | 2.0 | |
| 3.75 | | | | | 7.2 | 2.0 | |
| 4.00 | | | | | 7.8 | 2.1 | |
| 4.25 | | | | | 7.7 | 2.5 | |
| 4.50 | | | | | 7.9 | 1.9 | |
| 4.75 | | | | | 8.1 | 2.0 | |

Notes:

Location Adjacent to Maroochy river near supratidal flat

Project: SEA

Site: 2194

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

509898 mE
509792 mE

7045977 mN
7045789 mN

Described By: Adams, J (Justin)

Date: 29-Mar-2000

Landscape:

Geology: No record
Landform Pattern: No record
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: No record
Element: drainage depression
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: Sulfidic, Oxyaquic, HYDROSOL
GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| A11 | 0.00 to 0.90 | |
| 2C1u | 0.90 to 1.10 | Very dark grey (10YR31) moist; sandy clay loam; |
| 3C2u | 1.10 to 1.30 | Brown (7.5YR42) moist; silty light clay; |
| 3C3u | 1.30 to 1.70 | Dark grey (10YR41) moist; clay loam, sandy; |
| 4C4u | 1.70 to 2.50 | Grey (7.5YR61) moist; few 2-10% medium 5-15mm distinct grey mottles; silty light medium clay; |
| 4C5u | 2.50 to 3.00 | Grey (N60) moist; very few <2% fine <5mm distinct brown mottles; medium clay; |
| 5C6u | 3.00 to 3.40 | Greyish brown (10YR52) moist; sand; |
| 5C7u | 3.40 to 4.30 | Grey (2.5Y61) moist; sand; |
| 6C8u | 4.30 to 4.50 | Light brownish grey (2.5Y62) moist; clay loam, sandy; |
| 7C9u | 4.50 to 4.80 | Very dark grey (5Y31) moist; sand; |
| 7C10u | 4.80 to 5.15 | Very dark grey (10YR31) moist; sand; |
| 8C11u | 5.15 to 5.60 | Light brownish grey (2.5Y62) moist; sandy clay loam; |
| 8C12u | 5.60 to 5.80 | Very dark greyish brown (10YR32) moist; few 2-10% medium 5-15mm distinct brown mottles; sandy clay loam; |
| 9C13 | 5.80 to 6.00 | Light grey (10YR71) moist; sand; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 3.8 | 2.3 | |
| 0.30 | | | | | 5.1 | | |
| 1.00 | | | | | 5.2 | 1.8 | |
| 1.25 | | | | | 5.1 | 1.8 | |
| 1.50 | | | | | 5.3 | 1.2 | |
| 1.75 | | | | | 5.6 | 1.3 | |
| 2.00 | | | | | 5.8 | 2.6 | |
| 2.25 | | | | | 5.7 | 2.8 | |
| 2.75 | | | | | 5.7 | 2.8 | |
| 3.00 | | | | | 5.4 | 3.3 | |
| 3.25 | | | | | 5.4 | 3.4 | |
| 3.50 | | | | | 5.6 | 3.7 | |
| 3.75 | | | | | 5.5 | 3.0 | |
| 4.00 | | | | | 5.4 | 2.9 | |
| 4.25 | | | | | 5.3 | 3.0 | |
| 4.50 | | | | | 5.1 | 3.1 | |
| 4.75 | | | | | 5.0 | 3.3 | |
| 5.00 | | | | | 5.1 | 3.2 | |
| 5.50 | | | | | 5.1 | 2.9 | |
| 6.00 | | | | | 5.2 | 3.0 | |

Notes:

Location Mountain Ck near motorway (and cycleway)

Site Horizon A11- Poor recovery and disturbed surface from 0.0m to 0.9m

Project: SEA

Site: 2195

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

509520 mE
509414 mE

7045656 mN
7045468 mN

Described By: Adams, J (Justin)

Date: 30-Mar-2000

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: No record
Element: plain
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: Kandosolic, Oxyaquic, HYDROSOL
GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| A11 | 0.00 to 0.30 | Dark grey (10YR41) moist; silty clay loam; gradual to; |
| A12 | 0.30 to 1.30 | Very dark grey (10YR31) moist; sandy clay loam; abrupt to; |
| B21 | 1.30 to 1.70 | Dark greyish brown (10YR42) moist; heavy light clay; |
| B22 | 1.70 to 2.60 | Grey (10YR51) moist; light sandy clay loam; few 2-10% angular platy charcoal small pebbles 2-6mm; gradual to; |
| 2C1 | 2.60 to 3.30 | Grey (10YR51) moist; loamy sand; clear to; |
| 3C2 | 3.30 to 3.60 | Very dark greyish brown (10YR32) moist; coarse sand; clear to; |
| 4C3 | 3.60 to 3.90 | Brown (10YR43) moist; very few <2% fine <5mm distinct brown mottles; clayey sand; clear to; |
| 5C4 | 3.90 to 4.25 | Dark grey (10YR41) moist; coarse sand; abrupt to; |
| 6D1 | 4.25 to 4.60 | Pale brown (10YR63) moist; few 2-10% medium 5-15mm distinct grey mottles; light medium clay; clear to; |
| 6D2 | 4.60 to 4.80 | Light grey (5Y71) moist; few 2-10% fine <5mm distinct brown mottles; light medium clay; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.9 | 2.2 | |
| 0.30 | | | | | 5.5 | 2.9 | |
| 0.60 | | | | | 5.2 | 3.1 | |
| 0.80 | | | | | 5.2 | 3.3 | |
| 1.00 | | | | | 5.1 | 3.5 | |
| 1.25 | | | | | 5.3 | 3.4 | |
| 1.50 | | | | | 5.0 | 3.3 | |
| 1.75 | | | | | 5.5 | 3.7 | |
| 2.00 | | | | | 5.7 | 3.9 | |
| 2.25 | | | | | 5.7 | 3.8 | |
| 2.50 | | | | | 5.6 | 4.0 | |
| 2.75 | | | | | 5.3 | 3.9 | |
| 3.00 | | | | | 5.4 | 3.6 | |
| 3.25 | | | | | 5.4 | 3.7 | |
| 3.50 | | | | | 5.7 | 3.7 | |
| 3.75 | | | | | 5.0 | 3.9 | |
| 4.00 | | | | | 5.0 | 3.7 | |
| 4.25 | | | | | 5.9 | 3.1 | |
| 4.50 | | | | | 6.0 | 2.7 | |
| 4.75 | | | | | 5.9 | 3.1 | |

Notes:

Location Beyond bend in motorway off edge (Mountain Ck)

Project: SEA

Site: 2196

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

508154 mE
508048 mE

7056668 mN
7056480 mN

Described By: Adams, J (Justin)

Date: 30-Mar-2000

Landscape:

Geology: No record

Landform Pattern: beach ridge plain

Runoff: No record

Microrelief: No record

Drainage: No record

Surface Coarse Fragments: No record

Surface Condition: No record

Substrate Lithology: No record

Element: beach ridge

Permeability: No record

Microrelief Component: No record

Slope: No record

Classifications:

ASC: Humic/humosesquic, Semiaquic, PODOSOL

GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|---------------|--|
| A11 | 0.00 to 0.10 | Grey (10YR51) moist; sand; single grain structure; clear to; |
| A12 | 0.10 to 0.40 | Very dark grey (10YR31) moist; sandy clay loam; single grain structure; |
| B21h | 0.40 to 0.70 | Black (10YR21) moist; sand; massive structure; moderately cemented continuous massive organic pan; gradual to; |
| B22h | 0.70 to 1.10 | Black (10YR20) moist; sand; massive structure; moderately cemented continuous massive organic pan; gradual to; |
| B23hs | 1.10 to 3.20 | Dark brown (10YR33) moist; sand; massive structure; moderately cemented continuous massive organic pan; |
| B24s | 3.20 to 9.40 | Brown (10YR43) moist; sand; single grain structure; wet when sampled; |
| 2C1u | 9.40 to 10.70 | Olive grey (5Y52) moist; heavy sand; single grain structure; wet when sampled; |
| 3C2u | 10.7 to 12.1 | Dark greenish grey (10Y31) moist; silty light clay; massive structure; wet when sampled; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 6.0 | 4.0 | |
| 0.30 | | | | | 6.5 | 2.8 | |
| 0.60 | | | | | 6.1 | 3.5 | |
| 0.80 | | | | | 6.1 | 4.2 | |
| 1.00 | | | | | 6.6 | 5.0 | |
| 1.25 | | | | | 6.9 | 4.7 | |
| 1.50 | | | | | 7.0 | 4.4 | |
| 1.75 | | | | | 6.4 | 3.3 | |
| 2.00 | | | | | 6.5 | 2.7 | |
| 2.25 | | | | | 6.6 | 2.9 | |
| 2.50 | | | | | 6.4 | 2.9 | |
| 2.75 | | | | | 6.8 | 1.8 | |
| 5.00 | | | | | 5.5 | 1.5 | |
| 7.00 | | | | | 5.8 | 1.7 | |
| 9.50 | | | | | 5.9 | 1.1 | |
| 10.00 | | | | | 6.3 | 1.8 | |
| 11.00 | | | | | 6.2 | 1.8 | |
| 12.00 | | | | | 6.2 | 1.9 | |

Notes:

Location Near school oval off David Low Way

Project: SEA

Site: 2197

Location: GDA 94 ZONE 56 507895 mE 7056410 mN
Location: AGD 84 ZONE 56 507789 mE 7056222 mN

Described By: Adams, J (Justin)

Date: 03-Apr-2000

Landscape:

Geology: No record

Landform Pattern: beach ridge plain

Runoff: No record

Microrelief: No record

Substrate Lithology: No record

Element: beach ridge

Permeability: No record

Microrelief Component: No record

Classifications:

ASC: Semiaquic, PODOSOL

GSG: No record

PPF: No record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| A1 | 0.00 to 0.10 | Very dark grey (2.5Y31) moist; few 2-10% fine <5mm distinct orange mottles; loamy sand; clear to; |
| 2A11 | 0.10 to 0.30 | Very dark grey (10YR31) moist; few 2-10% fine <5mm distinct orange mottles; sand; clear to; |
| 2A12 | 0.30 to 0.60 | Very dark grey (2.5Y31) moist; common 10-20% coarse 15-30mm distinct orange mottles; fine sandy light clay; clear to; |
| 2A13 | 0.60 to 0.90 | Very dark grey (10YR31) moist; very few <2% fine <5mm faint orange mottles; sandy light clay; clear to; |
| 2A14 | 0.90 to 1.00 | Dark grey (10YR41) moist; very few <2% fine <5mm faint orange mottles; loamy sand; abrupt to; |
| 2A2e | 1.00 to 1.10 | Light grey (10YR71) moist; sand; abrupt to; |
| 2B21 | 1.10 to 1.35 | Dark grey (10YR41) moist; sand; abrupt to; |
| 2B22h | 1.35 to 1.80 | Black (10YR20) moist; sand; massive structure; moderately cemented continuous massive organic pan; gradual to; |
| 3C1 | 1.80 to 2.25 | Brown (10YR43) moist; sand; clear to; |
| 3C2 | 2.25 to 2.50 | Very dark grey (2.5Y31) moist; sand; single grain structure; gradual to; |
| 3C3 | 2.50 to 4.80 | Dark brown (10YR33) moist; sand; single grain structure; gradual to; |
| 3C4 | 4.80 to 5.40 | Brown (10YR43) moist; sand; single grain structure; gradual to; |
| 3C5 | 5.40 to 7.20 | Dark greyish brown (2.5Y43) moist; sand; single grain structure; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 6.2 | 3.7 | |
| 0.30 | | | | | 4.5 | 1.7 | |
| 0.60 | | | | | 4.7 | 2.1 | |
| 0.80 | | | | | 5.2 | 2.3 | |
| 1.25 | | | | | 4.4 | 1.3 | |
| 1.50 | | | | | 4.2 | 1.4 | |
| 1.75 | | | | | 4.8 | 1.7 | |
| 2.00 | | | | | 5.0 | 2.0 | |
| 2.25 | | | | | 5.4 | 2.8 | |
| 2.50 | | | | | 5.2 | 3.0 | |
| 2.75 | | | | | 5.1 | 3.1 | |
| 3.00 | | | | | 5.2 | 1.4 | |
| 3.25 | | | | | 5.1 | 1.4 | |
| 3.50 | | | | | 5.1 | 1.3 | |
| 3.75 | | | | | 5.3 | 1.5 | |
| 4.00 | | | | | 5.5 | 1.3 | |
| 4.25 | | | | | 5.4 | 1.7 | |
| 4.50 | | | | | 5.5 | 1.3 | |
| 4.75 | | | | | 5.3 | 1.2 | |
| 5.00 | | | | | 5.6 | 1.2 | |
| 5.25 | | | | | 5.8 | 1.2 | |
| 5.50 | | | | | 5.7 | 1.2 | |
| 5.75 | | | | | 5.8 | 1.4 | |
| 6.00 | | | | | 5.9 | 1.3 | |
| 6.25 | | | | | 6.2 | 1.8 | |
| 6.50 | | | | | 5.8 | 1.9 | |
| 7.00 | | | | | 6.0 | 2.4 | |

Notes:

Project: SEA **Site:** 2198
Soil Name: No record
Location: GDA 94 ZONE 56 507943 mE 7056635 mN
Location: AGD 84 ZONE 56 507837 mE 7056447 mN

Described By: Adams, J (Justin) **Date:** 03-Apr-2000

Landscape:

Geology: No record **Substrate Lithology:** No record
Landform Pattern: beach ridge plain **Element:** beach ridge
Runoff: No record **Permeability:** No record
Microrelief: No record **Microrelief Component:** No record
Drainage: No record **Slope:** No record
Surface Coarse Fragments: No record
Surface Condition: No record

Classifications:

ASC: PODOSOL **PPF:** No record
GSG: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| A2e | 0.00 to 0.15 | Light grey (10YR7/1) moist; sand; single grain structure; moderately moist when sampled; abrupt to; |
| B21hs | 0.15 to 2.00 | Black (10YR2/0) moist; sand; massive structure; moist when sampled; gradual to; |
| B22hs | 2.00 to 2.40 | Black (10YR2/0) moist; sand; massive structure; moist when sampled; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 5.5 | 4.3 | |
| 0.30 | | | | | 5.6 | 4.2 | |
| 0.60 | | | | | 5.3 | 3.6 | |
| 0.80 | | | | | 4.8 | 3.3 | |
| 1.00 | | | | | 4.8 | 3.2 | |
| 1.25 | | | | | 5.5 | 3.1 | |
| 1.50 | | | | | 5.0 | 3.8 | |
| 1.75 | | | | | 5.2 | 2.5 | |
| 2.00 | | | | | 5.3 | 2.6 | |
| 2.25 | | | | | 5.3 | 2.9 | |

Notes:

Location Adjacent to end of school playing fields
Location In drain approx 1m below natural surface

Project: SEA **Site:** 2199

Soil Name: No record

Location: GDA 94 ZONE 56 508037 mE 7069138 mN
Location: AGD 84 ZONE 56 507931 mE 7068950 mN

Described By: Adams, J (Justin)

Date: 05-Apr-2000

Landscape:

Geology: No record
Landform Pattern: No record
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: No record
Element: drainage depression
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: Sulfidic, Redoxic, HYDROSOL
GSG: No record **PPF:** No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| P1 | 0.00 to 0.60 | Black (10YR20) moist; fibric clay loam; gradual to; |
| 2C1 | 0.60 to 1.30 | Very dark grey (5Y31) moist; silty light clay; clear to; |
| 2C2 | 1.30 to 1.75 | Dark grey (10YR41) moist; light medium clay; gradual to; |
| 3C3 | 1.75 to 2.00 | Dark grey (2.5Y41) moist; sandy clay loam; clear to; |
| 3C4 | 2.00 to 2.40 | Dark greyish brown (2.5Y43) moist; few 2-10% medium 5-15mm distinct brown mottles; sandy loam; clear to; |
| 4C5 | 2.40 to 2.70 | White (2.5Y81) moist; sand; clear to; |
| 5C6 | 2.70 to 3.60 | Light grey (2.5Y71) moist; coarse sand; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 5.6 | 3.7 | |
| 0.30 | | | | | 5.5 | 3.8 | |
| 0.60 | | | | | 5.6 | 3.5 | |
| 0.80 | | | | | 5.8 | 3.5 | |
| 1.00 | | | | | 5.7 | 3.4 | |
| 1.25 | | | | | 6.2 | 2.6 | |
| 1.50 | | | | | 6.6 | 3.6 | |
| 1.75 | | | | | 5.9 | 2.9 | |
| 2.00 | | | | | 6.6 | 2.9 | |
| 2.25 | | | | | 6.2 | 2.9 | |
| 2.50 | | | | | 6.1 | 1.5 | |
| 2.75 | | | | | 6.3 | 3.1 | |
| 3.00 | | | | | 6.2 | 3.2 | |
| 3.25 | | | | | 6.4 | 3.2 | |
| 3.50 | | | | | 6.4 | 3.7 | |

Notes:

Location Drainage depression near roundabout

Project: SEA

Site: 2200

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

506506 mE
506400 mE

7069835 mN
7069647 mN

Described By: Malcolm, D (Don)

Date: 12-Apr-2000

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: No record
Element: swamp
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: Sulfidic, Redoxic, HYDROSOL

GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| A1 | 0.00 to 0.20 | Very dark grey (2.5Y31) moist; light clay; weak 2-5mm subangular blocky structure; |
| B2 | 0.20 to 0.70 | Dark grey (10YR41) moist; light clay; weak 2-5mm subangular blocky structure; |
| 2B21 | 0.70 to 1.40 | Dark grey (2.5Y41) moist; light medium clay; massive structure; |
| 2B22 | 1.40 to 1.75 | Grey (2.5Y51) moist; fine sandy light medium clay; massive structure; |
| 3C1 | 1.75 to 2.40 | Grey (2.5Y61) moist; fine sandy light clay; massive structure; |
| 4C2 | 2.40 to 2.50 | Light grey (10YR71) moist; sand; single grain structure; |
| 4C3 | 2.50 to 2.90 | White (10YR81) moist; sand; single grain structure; |
| 5C4 | 2.90 to 3.10 | Grey (10YR51) moist; coarse sand; single grain structure; |
| 6C5 | 3.10 to 3.35 | Grey (10YR61) moist; coarse sandy loam; massive structure; |
| 7C6 | 3.35 to 3.60 | Grey (10YR61) moist; coarse sandy light clay; massive structure; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 6.0 | 2.7 | |
| 0.30 | | | | | 5.3 | 3.3 | |
| 0.60 | | | | | 5.9 | 2.6 | |
| 0.80 | | | | | 6.2 | 2.6 | |
| 1.00 | | | | | 6.1 | 2.3 | |
| 1.25 | | | | | 6.2 | 2.0 | |
| 1.50 | | | | | 6.4 | 2.9 | |
| 1.75 | | | | | 6.4 | 1.7 | |
| 2.00 | | | | | 6.5 | 1.6 | |
| 2.25 | | | | | 6.5 | 1.9 | |
| 2.50 | | | | | 6.7 | 1.1 | |
| 2.75 | | | | | 6.7 | 1.9 | |
| 3.00 | | | | | 6.3 | 1.7 | |
| 3.25 | | | | | 6.4 | 2.6 | |
| 3.50 | | | | | 6.3 | 2.4 | |

Notes:

Location Perigian springs

Project: SEA **Site:** 2201

Soil Name: No record

Location: GDA 94 ZONE 56 506506 mE 7069865 mN
Location: AGD 84 ZONE 56 506400 mE 7069677 mN

Described By: Malcolm, D (Don)

Date: 12-Apr-2000

Landscape:

Geology: No record

Substrate Lithology: No record

Landform Pattern: No record

Element: No record

Runoff: No record

Permeability: No record

Microrelief: No record

Microrelief Component: No record

Drainage: No record

Slope: No record

Surface Coarse Fragments: No record

Surface Condition: No record

Classifications:

ASC: Sulfidic, Redoxic, HYDROSOL

GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| - | 0.00 to 0.50 | Very dark grey (10YR31) moist; light clay; weak 2-5mm granular structure; |
| - | 0.50 to 1.00 | Dark grey (10YR41) moist; fine sandy light clay; massive structure; |
| - | 1.00 to 1.50 | Light brownish grey (10YR62) moist; fine sandy loam; massive structure; |
| - | 1.50 to 1.75 | Grey (10YR51) moist; sandy clay loam; massive structure; |
| - | 1.75 to 2.50 | Grey (10YR61) moist; sandy medium heavy clay; massive structure; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 5.8 | 4.4 | |
| 0.30 | | | | | 5.0 | 5.2 | |
| 0.60 | | | | | 6.1 | 4.5 | |
| 0.80 | | | | | 6.8 | 3.9 | |
| 1.00 | | | | | 6.5 | 4.3 | |
| 1.25 | | | | | 7.5 | 5.6 | |
| 1.50 | | | | | 6.7 | 3.7 | |
| 1.75 | | | | | 6.5 | 3.5 | |
| 2.00 | | | | | 6.5 | 3.7 | |
| 2.25 | | | | | 6.5 | 3.7 | |
| 2.50 | | | | | 6.5 | 4.2 | |

Notes:

Location Perigan Springs 30m from last site in middle of drainage line
Site Site on fill that is 1.8m higher than surface

Project: SEA

Site: 2203

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

508550 mE
508444 mE

7042911 mN
7042723 mN

Described By: Barry, Earl

Date: 04-Jul-2000

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: No record
Element: plain
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: Yellow, DERMOSOL
GSG: No record

PPF: No record

Vegetation:

Tallest Stratum: Tree, 6.01-12m
Species: Melaleuca quinquenervia (swamp paperbark, paper-barked tea-tree, broad-leaved tea-tree)

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| A11 | 0.00 to 0.30 | Very dark greyish brown (10YR32) moist; clay loam, sandy; weak 10-20mm subangular blocky structure; moist when sampled; clear to; |
| A3 | 0.30 to 0.80 | Dark greyish brown (10YR42) moist; common 10-20% medium 5-15mm distinct brown, few 2-10% medium 5-15mm prominent orange mottles; sandy light medium clay; moderate 10-20mm subangular blocky structure; moist when sampled; clear to; |
| B21 | 0.80 to 1.60 | Brownish yellow (10YR66) moist; few 2-10% medium 5-15mm distinct red mottles; sandy medium clay; moderate 5-10mm angular blocky structure; moist when sampled; diffuse to; |
| C1 | 1.60 to 2.00 | Grey (10YR61) moist; sandy medium clay; massive structure; moist when sampled; abrupt to; |
| 2C2 | 2.00 to 2.60 | Light grey (10YR72) moist; sand; few 2-10% subangular quartz small pebbles 2-6mm; single grain structure; wet when sampled; abrupt to; |
| 2C3 | 2.60 to 3.80 | Grey (10YR61) moist; common 10-20% coarse 15-30mm prominent orange mottles; coarse sandy clay loam; few 2-10% subangular quartz small pebbles 2-6mm; massive structure; wet when sampled; clear to; |
| 3C4 | 3.80 to 4.75 | Grey (N60) moist; sandy heavy clay; massive structure; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.5 | 2.3 | |
| 0.30 | | | | | 5.2 | 2.6 | |
| 0.60 | | | | | 4.9 | 3.3 | |
| 0.80 | | | | | 4.9 | 3.4 | |
| 1.00 | | | | | 5.0 | 3.5 | |
| 1.25 | | | | | 5.1 | 3.3 | |
| 1.50 | | | | | 5.1 | 3.3 | |
| 1.75 | | | | | 5.0 | 3.2 | |
| 2.00 | | | | | 4.9 | 3.1 | |
| 2.25 | | | | | 4.9 | 3.2 | |
| 2.50 | | | | | 5.0 | 3.3 | |
| 2.75 | | | | | 5.0 | 3.3 | |
| 3.00 | | | | | 4.9 | 3.3 | |
| 3.25 | | | | | 4.9 | 3.4 | |
| 3.50 | | | | | 5.0 | 3.3 | |
| 3.75 | | | | | 5.1 | 3.2 | |
| 4.00 | | | | | 5.1 | 2.8 | |
| 4.25 | | | | | 5.2 | 2.8 | |
| 4.50 | | | | | 5.3 | 2.7 | |
| 4.75 | | | | | 5.5 | 2.8 | |

Notes:

Location Site on Claymore Rd
Vegetation Melaleuca regrowth

Project: SEA

Site: 2205

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

508695 mE
508589 mE

7050545 mN
7050357 mN

Described By: Barry, Earl

Date: 05-Jul-2000

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: Alluvium
Element: swamp
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: Sulfidic, Hemic, ORGANOSOL
GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| S1 | 0.00 to 1.00 | Very dark greyish brown (10YR32) moist; sandy medium clay; massive structure; clear to; |
| P2 | 1.00 to 1.90 | Black (10YR21) moist; hemic peat; massive structure; moist when sampled; clear to; |
| 2C1u | 1.90 to 2.30 | Dark greenish grey (10Y31) moist; silty medium clay; massive structure; wet when sampled; clear to; |
| 2C2 | 2.30 to 3.60 | Very dark grey (2.5Y31) moist; very few <2% medium 5-15mm faint dark mottles; silty medium clay; massive structure; diffuse to; |
| 3D1 | 3.60 to 4.50 | Dark grey (2.5Y41) moist; few 2-10% coarse 15-30mm prominent brown, common 10-20% coarse 15-30mm prominent red mottles; heavy clay; massive structure; few 2-10% coarse 6-20mm ferruginous nodules; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 6.0 | 3.2 | |
| 0.60 | | | | | 5.7 | 2.9 | |
| 0.80 | | | | | 6.4 | 4.1 | |
| 1.00 | | | | | 6.6 | 3.2 | |
| 1.25 | | | | | 6.4 | 1.8 | |
| 1.50 | | | | | 6.3 | 1.7 | |
| 1.75 | | | | | 6.0 | 1.9 | |
| 2.00 | | | | | 6.3 | 2.0 | |
| 2.25 | | | | | 6.5 | 2.9 | |
| 2.50 | | | | | 6.7 | 2.7 | |
| 2.75 | | | | | 6.9 | 3.0 | |
| 3.00 | | | | | 7.0 | 3.1 | |
| 3.25 | | | | | 6.9 | 3.4 | |
| 3.50 | | | | | 6.8 | 3.5 | |
| 3.75 | | | | | 6.7 | 3.9 | |
| 4.00 | | | | | 6.8 | 3.2 | |
| 4.25 | | | | | 6.4 | 3.5 | |
| 4.50 | | | | | 6.8 | 3.4 | |

Notes:

Location Site on North side at end of Dalton Rd

Project: SEA

Site: 2206

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

508715 mE
508609 mE

7050713 mN
7050525 mN

Described By: Barry, Earl

Date: 05-Jul-2000

Landscape:

Geology: No record

Landform Pattern: alluvial plain

Runoff: No record

Microrelief: No record

Substrate Lithology: No record

Element: swamp

Permeability: No record

Microrelief Component: No record

Classifications:

ASC: Aquic, PODOSOL

GSG: No record

PPF: No record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| A11 | 0.00 to 0.20 | Black (10YR21) moist; hemic peat; massive structure; moist when sampled; clear to; |
| A12 | 0.20 to 0.45 | Very dark grey (10YR31) moist; clay loam, sandy; massive structure; moist when sampled; clear to; |
| A2e | 0.45 to 0.85 | Light grey (10YR71) moist; few 2-10% medium 5-15mm faint brown mottles; sand; single grain structure; wet when sampled; gradual to; |
| B1 | 0.85 to 1.05 | Dark grey (5Y41) moist; clayey sand; single grain structure; wet when sampled; gradual to; |
| B21h | 1.05 to 1.90 | Black (10YR21) moist; loamy sand; single grain structure; wet when sampled; gradual to; |
| B22s | 1.90 to 2.40 | Dark brown (7.5YR33) moist; heavy sand; single grain structure; wet when sampled; gradual to; |
| B3 | 2.40 to 2.70 | Greyish brown (2.5Y52) moist; clayey sand; clear to; |
| 2C1u | 2.70 to 4.10 | Dark greenish grey (10Y31) moist; silty medium clay; massive structure; moist when sampled; diffuse to; |
| 3C2u | 4.10 to 4.40 | Dark greenish grey (10Y31) moist; sandy medium clay; massive structure; wet when sampled; diffuse to; |
| 4C3u | 4.40 to 5.10 | Dark grey (5Y41) moist; clayey sand; single grain structure; common 10-20% coarse 6-20mm unidentified concretions; wet when sampled; |
| 5B2h | 5.10 to 5.20 | Black (10YR21) moist; loamy sand; massive structure; strongly cemented continuous massive ortstein; wet when sampled; |
| 5C4 | 5.20 to 5.50 | Greyish brown (2.5Y52) moist; clayey sand; |
| 6D1 | 5.50 to 6.00 | Greenish grey (10Y61) moist; common 10-20% medium 5-15mm distinct dark mottles; heavy clay; massive structure; moist when sampled; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 5.2 | 2.8 | |
| 0.30 | | | | | 5.1 | 2.4 | |
| 0.60 | | | | | 5.4 | 2.3 | |
| 0.80 | | | | | 6.0 | 1.9 | |
| 1.00 | | | | | 6.0 | 1.3 | |
| 1.25 | | | | | 6.0 | 1.3 | |
| 1.50 | | | | | 5.9 | 1.4 | |
| 1.75 | | | | | 5.7 | 2.0 | |
| 2.00 | | | | | 5.9 | 1.5 | |
| 2.25 | | | | | 6.1 | 1.9 | |
| 2.50 | | | | | 6.1 | 2.9 | |
| 2.75 | | | | | 6.0 | 1.8 | |
| 3.00 | | | | | 5.9 | 0.8 | |
| 3.25 | | | | | 6.1 | 0.7 | |
| 3.50 | | | | | 6.1 | 0.6 | |
| 3.75 | | | | | 5.9 | 0.7 | |
| 4.00 | | | | | 5.9 | 0.7 | |
| 4.25 | | | | | 5.8 | 0.7 | |
| 4.50 | | | | | 5.9 | 0.9 | |
| 4.75 | | | | | 5.9 | 1.0 | |
| 5.00 | | | | | 5.6 | 1.0 | |
| 5.25 | | | | | 5.5 | 0.9 | |
| 5.50 | | | | | 5.9 | 2.3 | |
| 5.75 | | | | | 6.1 | 2.6 | |
| 6.00 | | | | | 6.2 | 3.6 | |

Project: SEA

Site: 2207

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

506805 mE
506699 mE

7050995 mN
7050807 mN

Described By: Barry, Earl

Date: 06-Jul-2000

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: No record
Element: valley-flat
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: Aquic, PODOSOL
GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| S1 | 0.00 to 0.40 | Black (10YR21) moist; sandy medium clay; very few <2% rounded other large pebbles 20-60mm; massive structure; moderately moist when sampled; clear to; |
| S2 | 0.40 to 0.90 | Dark greyish brown (10YR42) moist; common 10-20% medium 5-15mm prominent orange, common 10-20% medium 5-15mm prominent grey mottles; sandy medium heavy clay; very few <2% angular gravel small pebbles 2-6mm; massive structure; moderately moist when sampled; gradual to; |
| B21 | 0.90 to 2.00 | Grey (10YR51) moist; common 10-20% coarse 15-30mm prominent orange, few 2-10% coarse 15-30mm prominent red mottles; sandy heavy clay; massive structure; few 2-10% medium 2-6mm ferruginous nodules; moist when sampled; diffuse to; |
| B22 | 2.00 to 2.90 | Grey (10YR61) moist; common 10-20% coarse 15-30mm prominent orange mottles; sandy heavy clay; massive structure; few 2-10% medium 2-6mm ferruginous nodules; moist when sampled; gradual to; |
| C1 | 2.90 to 3.00 | Grey (10YR61) moist; clayey sand; single grain structure; wet when sampled; |
| C2 | 3.00 to 3.50 | Grey (10YR61) moist; sandy heavy clay; massive structure; moist when sampled; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.9 | 2.4 | |
| 0.60 | | | | | 4.4 | 2.0 | |
| 0.80 | | | | | 4.5 | 2.7 | |
| 1.00 | | | | | 4.2 | 2.0 | |
| 1.25 | | | | | 3.9 | 2.1 | |
| 1.50 | | | | | 3.7 | 2.0 | |
| 1.75 | | | | | 3.7 | 1.9 | |
| 2.00 | | | | | 3.6 | 2.2 | |
| 2.25 | | | | | 3.9 | 2.5 | |
| 2.50 | | | | | 3.9 | 3.2 | |
| 2.75 | | | | | 4.0 | 3.5 | |
| 3.00 | | | | | 4.2 | 2.9 | |
| 3.25 | | | | | 4.9 | 2.8 | |
| 3.50 | | | | | 6.0 | 4.4 | |

Notes:

Location Site on NW side of Aged care home. SE bank of artificial lake.

Project: SEA

Site: 2208

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56 508430 mE
ZONE 56 508324 mE

7051550 mN
7051362 mN

Described By: Barry, Earl

Date: 06-Jul-2000

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: No record
Element: levee
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: ANTHROPOSOL

GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| S1 | 0.00 to 0.30 | Black (5Y2.51) moist; silty medium clay; massive structure; moderately moist when sampled; clear to; |
| S2 | 0.30 to 0.90 | Black (10YR21) moist; sapric silty clay; moderate 20-50mm angular blocky structure; moist when sampled; clear to; |
| A1 | 0.90 to 1.00 | Black (10YR21) moist; sapric light clay; moist when sampled; clear to; |
| 2C1u | 1.00 to 1.90 | Dark greenish grey (10Y31) moist; few 2-10% medium 5-15mm prominent orange mottles; silty medium clay; very few <2% angular shell small pebbles 2-6mm, very few <2% angular shell medium pebbles 6-20mm; massive structure; wet when sampled; clear to; |
| 3A1 | 1.90 to 2.30 | Black (10YR21) moist; sapric light clay; massive structure; wet when sampled; gradual to; |
| 3C2u | 2.30 to 3.00 | Dark greenish grey (10Y31) moist; very few <2% coarse 15-30mm prominent brown mottles; silty medium clay; few 2-10% angular shell small pebbles 2-6mm; massive structure; wet when sampled; abrupt to; |
| 4B21h | 3.00 to 3.50 | Black (10YR21) moist; loamy sand; massive structure; strongly cemented continuous massive ortstein; wet when sampled; abrupt to; |
| 4C1 | 3.50 to 3.80 | Grey (10YR51) moist; sand; single grain structure; wet when sampled; abrupt to; |
| 5B22h | 3.80 to 4.00 | Black (10YR21) moist; loamy sand; massive structure; very strongly cemented continuous massive ortstein; gradual to; |
| 5B23s | 4.00 to 4.80 | Very dark brown (7.5YR2.52) moist; loamy sand; massive structure; wet when sampled; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 3.8 | 1.3 | |
| 0.30 | | | | | 3.4 | 1.6 | |
| 0.60 | | | | | 3.3 | 1.5 | |
| 0.80 | | | | | 4.0 | 2.5 | |
| 1.00 | | | | | 5.5 | 2.8 | |
| 1.25 | | | | | 6.5 | 1.9 | |
| 1.50 | | | | | 7.0 | 2.1 | |
| 1.75 | | | | | 6.6 | 1.6 | |
| 2.00 | | | | | 6.4 | 2.2 | |
| 2.25 | | | | | 6.1 | 1.7 | |
| 2.50 | | | | | 5.8 | 2.6 | |
| 2.75 | | | | | 6.1 | 1.9 | |
| 3.00 | | | | | 6.3 | 0.9 | |
| 3.25 | | | | | 6.3 | 0.8 | |
| 3.50 | | | | | 6.2 | 1.5 | |
| 3.75 | | | | | 6.4 | 2.0 | |
| 4.00 | | | | | 6.3 | 3.8 | |
| 4.25 | | | | | 6.8 | 4.8 | |
| 4.50 | | | | | 6.9 | 5.3 | |
| 4.75 | | | | | 6.9 | 5.3 | |

Project: SEA

Site: 2209

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56 509446 mE
ZONE 56 509340 mE

7050948 mN
7050760 mN

Described By: Barry, Earl

Date: 11-Jul-2000

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: No record
Element: No record
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: Sesquic, Semiaquic, PODOSOL
GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| A1 | 0.00 to 1.00 | Black (10YR21) moist; sapric sandy clay loam; massive structure; moderately moist when sampled; gradual to; |
| A2j | 1.00 to 1.70 | Grey (10YR51) moist; many 20-50% medium 5-15mm prominent pale mottles; heavy sand; single grain structure; moist when sampled; gradual to; |
| B2s | 1.70 to 2.40 | Dark brown (7.5YR32) moist; loamy sand; massive structure; wet when sampled; diffuse to; |
| C1u | 2.40 to 3.10 | Very dark greyish brown (2.5Y32) moist; clayey sand; very few <2% subrounded quartz small pebbles 2-6mm; massive structure; wet when sampled; gradual to; |
| C2u | 3.10 to 3.30 | Greyish brown (10YR52) moist; clayey sand; very few <2% subrounded quartz small pebbles 2-6mm; wet when sampled; abrupt to; |
| C3 | 3.30 to 4.20 | Light grey (10YR71) moist; clayey sand; very few <2% subrounded quartz small pebbles 2-6mm; massive structure; very strongly cemented continuous massive silcrete; moist when sampled; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.9 | 2.8 | |
| 0.30 | | | | | 4.6 | 2.5 | |
| 0.60 | | | | | 4.5 | 2.3 | |
| 0.80 | | | | | 4.4 | 2.3 | |
| 1.00 | | | | | 4.7 | 2.3 | |
| 1.25 | | | | | 4.8 | 2.7 | |
| 1.50 | | | | | 4.6 | 2.4 | |
| 1.75 | | | | | 4.8 | 2.6 | |
| 2.00 | | | | | 5.0 | 3.1 | |
| 2.25 | | | | | 5.0 | 2.6 | |
| 2.50 | | | | | 5.2 | 1.7 | |
| 2.75 | | | | | 5.2 | 1.3 | |
| 3.00 | | | | | 5.0 | 1.0 | |
| 3.25 | | | | | 5.1 | 1.2 | |
| 3.50 | | | | | 5.4 | 1.1 | |
| 3.75 | | | | | 4.9 | 0.9 | |
| 4.00 | | | | | 5.3 | 0.7 | |
| 4.15 | | | | | 5.1 | 2.7 | |

Notes:

Location Site on old Drive-In property

Project: SEA

Site: 2210

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

508474 mE
508368 mE

7050460 mN
7050272 mN

Described By: Barry, Earl

Date: 11-Jul-2000

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: No record
Element: swamp
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: Kurosolic, Redoxic, HYDROSOL
GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| A11 | 0.00 to 0.20 | Black (10YR21) moist; sapric clay loam; massive structure; moist when sampled; clear to; |
| B21 | 0.20 to 0.50 | Very dark grey (10YR31) moist; few 2-10% fine <5mm faint brown mottles; sandy medium clay; massive structure; moist when sampled; clear to; |
| B22 | 0.50 to 0.70 | Light brownish grey (10YR62) moist; few 2-10% medium 5-15mm prominent orange mottles; coarse sandy light clay; few 2-10% subangular quartz small pebbles 2-6mm; moist when sampled; abrupt to; |
| B31q | 0.70 to 0.80 | Light grey (10YR72) moist; few 2-10% subangular quartz medium pebbles 6-20mm; very strongly cemented continuous massive silcrete; moist when sampled; clear to; |
| B32 | 0.80 to 1.00 | Dark greyish brown (10YR42) moist; coarse sandy light medium clay; few 2-10% subangular quartz small pebbles 2-6mm; massive structure; moist when sampled; clear to; |
| C1 | 1.00 to 2.40 | White (10YR81) moist; few 2-10% medium 5-15mm distinct dark mottles; sandy medium heavy clay; few 2-10% subangular quartz small pebbles 2-6mm; massive structure; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.8 | 3.3 | |
| 0.30 | | | | | 4.1 | 2.5 | |
| 0.60 | | | | | 3.9 | 2.7 | |
| 0.80 | | | | | 3.7 | 2.4 | |
| 1.00 | | | | | 4.3 | 1.4 | |
| 1.25 | | | | | 5.7 | 2.1 | |
| 1.50 | | | | | 5.7 | 2.1 | |
| 2.00 | | | | | 5.6 | 2.7 | |

Notes:

Project: SEA

Site: 2211

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

508474 mE
508368 mE

7050520 mN
7050332 mN

Described By: Barry, Earl

Date: 11-Jul-2000

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: No record
Element: swamp
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: Sulfidic, Redoxic, HYDROSOL

GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| S1 | 0.00 to 0.30 | Greyish brown (10YR52) moist; sandy clay loam; massive structure; moist when sampled; clear to; |
| A1 | 0.30 to 0.50 | Black (10YR21) moist; sapric clay loam; massive structure; moist when sampled; clear to; |
| 2B2 | 0.50 to 0.90 | Dark grey (2.5Y41) moist; common 10-20% medium 5-15mm prominent orange mottles; sandy light clay; massive structure; moist when sampled; abrupt to; |
| 2C1u | 0.90 to 1.10 | Very dark grey (5Y31) moist; sandy light clay; massive structure; moist when sampled; clear to; |
| 3D1 | 1.10 to 2.30 | Grey (2.5Y61) moist; many 20-50% very coarse >30mm prominent brown, few 2-10% coarse 15-30mm prominent red mottles; sandy medium clay; very few <2% subrounded quartz small pebbles 2-6mm; massive structure; moist when sampled; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.3 | 3.1 | |
| 0.35 | | | | | 4.9 | 2.6 | |
| 0.60 | | | | | 4.3 | 2.7 | |
| 0.80 | | | | | 4.1 | 1.7 | |
| 1.00 | | | | | 4.5 | 1.5 | |
| 1.25 | | | | | 5.5 | 1.8 | |
| 1.50 | | | | | 5.7 | 1.9 | |
| 1.75 | | | | | 5.6 | 1.6 | |
| 2.00 | | | | | 5.6 | 2.1 | |
| 2.25 | | | | | 5.5 | 2.8 | |

Notes:

Location 50m North of Site 2210

Project: SEA

Site: 2212

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

507170 mE
507064 mE

7050950 mN
7050762 mN

Described By: Barry, Earl

Date: 12-Jul-2000

Landscape:

Geology: No record
Landform Pattern: No record
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: No record
Element: No record
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: Sulfuric, Redoxic, HYDROSOL
GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| A11 | 0.00 to 0.30 | Black (10YR21) moist; sapric clay loam; few 2-10% angular charcoal medium pebbles 6-20mm; massive structure; wet when sampled; clear to; |
| 2B21 | 0.30 to 0.50 | Very dark grey (10YR31) moist; light medium clay; massive structure; moist when sampled; gradual to; |
| 2B3 | 0.50 to 1.30 | Very dark grey (2.5Y31) moist; few 2-10% medium 5-15mm faint gley mottles; silty medium clay; massive structure; moist when sampled; gradual to; |
| 3D1 | 1.30 to 1.70 | Grey (2.5Y51) moist; few 2-10% medium 5-15mm distinct orange mottles; silty medium clay; massive structure; moist when sampled; gradual to; |
| 3D2 | 1.70 to 2.60 | Dark grey (2.5Y41) moist; many 20-50% very coarse >30mm prominent orange, common 10-20% coarse 15-30mm prominent red mottles; silty medium clay; massive structure; very few <2% medium 2-6mm ferruginous nodules; moist when sampled; gradual to; |
| 3D3 | 2.60 to 3.60 | Grey (N60) moist; common 10-20% very coarse >30mm prominent orange, few 2-10% coarse 15-30mm distinct gley mottles; medium heavy clay; massive structure; moist when sampled; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 5.7 | 2.7 | |
| 0.30 | | | | | 4.7 | 2.0 | |
| 0.60 | | | | | 4.6 | 1.9 | |
| 0.80 | | | | | 4.4 | 1.8 | |
| 1.00 | | | | | 4.2 | 1.7 | |
| 1.25 | | | | | 3.8 | 1.4 | |
| 1.50 | | | | | 5.8 | 2.7 | |
| 1.75 | | | | | 6.0 | 3.5 | |
| 2.00 | | | | | 5.6 | 3.2 | |
| 2.25 | | | | | 5.4 | 3.3 | |
| 2.50 | | | | | 5.3 | 3.3 | |
| 2.75 | | | | | 5.6 | 3.6 | |
| 3.00 | | | | | 5.9 | 4.1 | |
| 3.25 | | | | | 6.1 | 4.6 | |
| 3.50 | | | | | 6.4 | 4.5 | |

Notes:

Location Site to East of Aged Care home

Project: SEA

Site: 2213

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56 508786 mE
ZONE 56 508680 mE

7052065 mN
7051877 mN

Described By: Barry, Earl

Date: 12-Jul-2000

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: No record
Element: No record
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: Sulfidic, Redoxic, HYDROSOL

GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| S1 | 0.00 to 0.75 | Dark grey (10YR41) moist; clayey sand; massive structure; |
| A1 | 0.75 to 0.85 | Black (10YR21) moist; sapric clay loam; massive structure; abrupt to; |
| A2e | 0.85 to 1.40 | Grey (10YR61) moist; common 10-20% coarse 15-30mm prominent orange mottles; sand; single grain structure; gradual to; |
| B | 1.40 to 2.10 | Dark grey (2.5Y41) moist; few 2-10% medium 5-15mm distinct dark mottles; clayey sand; very few <2% subangular quartz small pebbles 2-6mm; single grain structure; clear to; |
| C1u | 2.10 to 2.90 | Dark grey (5Y41) moist; clayey sand; very few <2% subangular quartz small pebbles 2-6mm; clear to; |
| C2u | 2.90 to 3.10 | Dark grey (5Y41) moist; clayey sand; many 20-50% angular shell medium pebbles 6-20mm, very few <2% rounded gravel medium pebbles 6-20mm; single grain structure; abrupt to; |
| 2D1 | 3.10 to 3.40 | Grey (10YR61) moist; common 10-20% coarse 15-30mm distinct gley mottles; sandy heavy clay; massive structure; gradual to; |
| 2D2 | 3.40 to 3.60 | Greenish grey (10GY61) moist; heavy clay; massive structure; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.60 | | | | | 7.1 | 4.9 | |
| 0.80 | | | | | 6.6 | 4.3 | |
| 1.00 | | | | | 7.0 | 4.6 | |
| 1.25 | | | | | 6.7 | 5.0 | |
| 1.50 | | | | | 6.4 | 2.9 | |
| 1.75 | | | | | 6.2 | 1.1 | |
| 2.00 | | | | | 6.4 | 1.0 | |
| 2.25 | | | | | 6.2 | 1.9 | |
| 2.50 | | | | | 6.5 | 1.8 | |
| 2.75 | | | | | 6.6 | 1.7 | |
| 3.00 | | | | | 6.9 | 2.1 | |
| 3.25 | | | | | 7.6 | 6.5 | |
| 3.50 | | | | | 8.5 | 7.4 | |

Notes:

Location Site on Cnr Church Rd and Maroochydore Rd.

Project: SEA

Site: 2214

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56 507286 mE
ZONE 56 507180 mE

7066489 mN
7066301 mN

Described By: Barry, Earl

Date: 14-Jul-2000

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: No record
Element: plain
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: Aquic, PODOSOL

GSG: No record

PPF: No record

Vegetation:

Tallest Stratum: Tree, 1.01-3m
Species: Banksia species

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| A1 | 0.00 to 0.80 | Very dark grey (10YR31) moist; sapric sandy loam; massive structure; moist when sampled; abrupt to; |
| A2e | 0.80 to 1.05 | Grey (10YR61) moist; sand; single grain structure; wet when sampled; abrupt to; |
| B21h | 1.05 to 2.30 | Black (10YR21) moist; loamy sand; massive structure; moderately cemented continuous massive ortstein; wet when sampled; diffuse to; |
| B22s | 2.30 to 6.00 | Dark brown (7.5YR33) moist; loamy sand; single grain structure; wet when sampled; diffuse to; |
| C1 | 6.00 to 7.20 | Dark grey (5Y41) moist; clayey sand; single grain structure; wet when sampled; clear to; |
| C2u | 7.20 to 8.50 | Dark greenish grey (10Y31) moist; silty medium clay; massive structure; wet when sampled; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.0 | 2.1 | |
| 0.30 | | | | | 3.7 | 2.1 | |
| 0.60 | | | | | 4.3 | 2.1 | |
| 0.80 | | | | | 4.2 | 2.8 | |
| 1.00 | | | | | 4.5 | 3.3 | |
| 1.25 | | | | | 4.1 | 3.0 | |
| 1.50 | | | | | 4.6 | 2.5 | |
| 1.75 | | | | | 4.7 | 2.5 | |
| 2.00 | | | | | 4.1 | 2.7 | |
| 3.25 | | | | | 4.5 | 1.7 | |
| 4.50 | | | | | 4.6 | 1.4 | |
| 5.50 | | | | | 4.6 | 1.6 | |
| 6.25 | | | | | 5.4 | 1.6 | |
| 6.50 | | | | | 5.5 | 1.8 | |
| 6.75 | | | | | 5.9 | 1.6 | |
| 7.00 | | | | | 6.2 | 1.7 | |
| 7.25 | | | | | 6.1 | 1.4 | |
| 7.50 | | | | | 6.8 | 1.5 | |
| 7.75 | | | | | 6.4 | 1.3 | |
| 8.00 | | | | | 6.4 | 1.3 | |
| 8.25 | | | | | 6.6 | 1.3 | |

Project: SEA

Site: 2215

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

507775 mE
507669 mE

7051329 mN
7051141 mN

Described By: Barry, Earl

Date: 19-Jul-2000

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: No record
Element: swamp
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: Sulfidic, Oxyaquic, HYDROSOL
GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| A1 | 0.00 to 0.45 | Black (10YR21) moist; fibric clay loam; massive structure; wet when sampled; abrupt to; |
| 2C1u | 0.45 to 1.00 | Dark greenish grey (10Y31) moist; silty medium clay; massive structure; wet when sampled; clear to; |
| 2C2u | 1.00 to 1.40 | Black (2.5Y21) moist; silty light medium clay; few 2-10% angular shell small pebbles 2-6mm, few 2-10% angular shell medium pebbles 6-20mm; massive structure; wet when sampled; abrupt to; |
| 3C3 | 1.40 to 1.65 | Olive grey (5Y52) moist; common 10-20% coarse 15-30mm prominent dark mottles; sandy light clay; massive structure; wet when sampled; abrupt to; |
| 4C4u | 1.65 to 2.70 | Very dark grey (2.5Y31) moist; silty medium clay; very few <2% angular shell small pebbles 2-6mm; massive structure; wet when sampled; diffuse to; |
| 5D1 | 2.70 to 3.60 | Light grey (N70) moist; few 2-10% medium 5-15mm faint grey mottles; heavy clay; massive structure; moist when sampled; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 5.3 | 3.0 | |
| 0.45 | | | | | 5.8 | 1.3 | |
| 0.60 | | | | | 6.9 | 1.5 | |
| 0.80 | | | | | 7.1 | 1.9 | |
| 1.00 | | | | | 7.1 | 1.5 | |
| 1.25 | | | | | 7.0 | 1.4 | |
| 1.50 | | | | | 6.8 | 2.2 | |
| 1.75 | | | | | 6.8 | 1.7 | |
| 2.00 | | | | | 6.9 | 1.9 | |
| 2.25 | | | | | 6.8 | 2.4 | |
| 2.50 | | | | | 6.7 | 2.0 | |
| 2.75 | | | | | 6.7 | 1.9 | |
| 3.00 | | | | | 6.6 | 2.0 | |
| 3.25 | | | | | 6.5 | 5.3 | |
| 3.50 | | | | | 6.6 | 4.3 | |

Notes:

Project: SEA

Site: 2216

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

508615 mE
508509 mE

7051387 mN
7051199 mN

Described By: Barry, Earl

Date: 19-Jul-2000

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: No record
Element: plain
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: Aquic, PODOSOL
GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| A1 | 0.00 to 0.30 | Very dark grey (10YR31) moist; loamy sand; single grain structure; moist when sampled; abrupt to; |
| A2e | 0.30 to 0.85 | Light grey (10YR71) moist; sand; single grain structure; moist when sampled; abrupt to; |
| B1 | 0.85 to 1.40 | Very dark greyish brown (10YR32) moist; sand; single grain structure; wet when sampled; clear to; |
| B21h | 1.40 to 4.70 | Black (10YR21) moist; loamy sand; single grain structure; very strongly cemented continuous massive ortstein; wet when sampled; |

Field Tests:

No Record

Notes:

Project: SEA

Site: 2217

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

508935 mE
508829 mE

7051570 mN
7051382 mN

Described By: Barry, Earl

Date: 21-Jul-2000

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: Alluvium
Element: plain
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: PODOSOL

GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| A1 | 0.00 to 0.15 | Very dark grey (10YR31) moist; loamy sand; single grain structure; clear to; |
| A2e | 0.15 to 1.00 | Light grey (10YR72) moist; sand; single grain structure; clear to; |
| B21h | 1.00 to 1.50 | Black (10YR21) moist; sandy loam; massive structure; moderately cemented continuous massive ortstein; diffuse to; |
| B22s | 1.50 to 4.65 | Dark brown (10YR33) moist; loamy sand; single grain structure; diffuse to; |
| C1u | 4.65 to 7.25 | Very dark grey (5Y31) moist; clayey sand; single grain structure; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.6 | 2.0 | |
| 0.60 | | | | | 4.9 | 3.6 | |
| 0.80 | | | | | 5.6 | 3.4 | |
| 1.25 | | | | | 4.9 | 3.0 | |
| 1.50 | | | | | 5.0 | 3.0 | |
| 2.00 | | | | | 5.1 | 2.0 | |
| 2.50 | | | | | 5.0 | 1.7 | |
| 3.00 | | | | | 5.0 | 1.6 | |
| 3.50 | | | | | 5.2 | 1.5 | |
| 4.00 | | | | | 5.3 | 1.6 | |
| 4.50 | | | | | 5.7 | 1.4 | |
| 4.75 | | | | | 6.3 | | |
| 5.00 | | | | | 6.0 | 1.6 | |
| 5.50 | | | | | 5.9 | 1.4 | |
| 6.00 | | | | | 6.1 | 1.5 | |

Notes:

Project: SEA

Site: 2218

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

509260 mE
509154 mE

7051430 mN
7051242 mN

Described By: Barry, Earl

Date: 21-Jul-2000

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: Alluvium
Element: plain
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: PODOSOL

GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| A1 | 0.00 to 0.15 | Very dark grey (10YR31) moist; loamy sand; single grain structure; dry when sampled; clear to; |
| A2e | 0.15 to 1.20 | Light grey (10YR72) moist; sand; single grain structure; moist when sampled; clear to; |
| B21h | 1.20 to 1.70 | Black (10YR21) moist; sandy loam; massive structure; moderately cemented continuous massive ortstein; wet when sampled; diffuse to; |
| B22s | 1.70 to 6.00 | Dark brown (10YR33) moist; loamy sand; massive structure; |
| B23 | 6.00 to 8.50 | Very dark grey (10YR31) moist; loamy sand; single grain structure; wet when sampled; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.9 | 1.2 | |
| 0.60 | | | | | 4.9 | 2.0 | |
| 1.00 | | | | | 5.4 | 2.9 | |
| 1.25 | | | | | 4.5 | 1.4 | |
| 1.50 | | | | | 4.5 | 1.9 | |
| 2.00 | | | | | 4.2 | 1.8 | |
| 2.50 | | | | | 4.4 | 1.0 | |
| 3.50 | | | | | 4.4 | 0.8 | |
| 4.50 | | | | | 4.4 | 1.0 | |
| 5.50 | | | | | 4.5 | 1.1 | |
| 6.50 | | | | | 4.8 | 1.4 | |
| 7.50 | | | | | 4.4 | 1.3 | |
| 8.50 | | | | | 4.7 | 1.7 | |

Notes:

Location Site on Vacant lot on Maud St Adjacent to Horton Pk Golf course
Site Frost Auger used

Project: SEA

Site: 2219

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

508162 mE
508056 mE

7051680 mN
7051492 mN

Described By: Barry, Earl

Date: 25-Jul-2000

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: No record
Element: swamp
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: Redoxic, HYDROSOL
GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| A11 | 0.00 to 0.30 | Black (10YR21) moist; clay loam, sandy; massive structure; moist when sampled; clear to; |
| B21 | 0.30 to 0.40 | Very dark grey (10YR31) moist; few 2-10% medium 5-15mm distinct dark mottles; light medium clay; massive structure; wet when sampled; clear to; |
| B3 | 0.40 to 1.10 | Dark grey (2.5Y41) moist; few 2-10% coarse 15-30mm faint brown mottles; heavy clayey sand; very few <2% angular quartz small pebbles 2-6mm; single grain structure; wet when sampled; clear to; |
| C1 | 1.10 to 2.90 | Light grey (N70) moist; heavy clayey sand; few 2-10% angular quartz small pebbles 2-6mm; massive structure; wet when sampled; diffuse to; |
| C2 | 2.90 to 4.00 | Greyish brown (10YR52) moist; common 10-20% very coarse >30mm distinct brown mottles; clayey sand; few 2-10% angular quartz small pebbles 2-6mm; single grain structure; wet when sampled; diffuse to; |
| 2D1 | 4.00 to 4.80 | Light grey (N70) moist; few 2-10% coarse 15-30mm prominent brown mottles; sandy medium clay; few 2-10% angular quartz small pebbles 2-6mm, very few <2% subangular quartz medium pebbles 6-20mm; massive structure; moist when sampled; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 5.7 | 2.9 | |
| 0.35 | | | | | 5.7 | 3.3 | |
| 0.60 | | | | | 5.3 | 2.8 | |
| 0.80 | | | | | 6.1 | 2.5 | |
| 1.00 | | | | | 5.4 | 1.5 | |
| 1.25 | | | | | 5.5 | 2.1 | |
| 1.50 | | | | | 5.8 | 2.1 | |
| 1.75 | | | | | 6.4 | 1.7 | |
| 2.00 | | | | | 6.3 | 2.4 | |
| 2.25 | | | | | 6.4 | 2.4 | |
| 2.50 | | | | | 5.9 | 1.2 | |
| 2.75 | | | | | 6.4 | 1.6 | |
| 3.00 | | | | | 6.5 | 1.8 | |
| 3.25 | | | | | 6.3 | 3.4 | |
| 3.50 | | | | | 6.2 | 3.3 | |
| 3.75 | | | | | 6.1 | 3.6 | |
| 4.00 | | | | | 6.4 | 3.8 | |
| 4.50 | | | | | 6.5 | 3.8 | |
| 4.75 | | | | | 6.4 | 3.2 | |

Notes:

Location SW of Roundabout on Evans St and Bunuro St in Landcare Park

Project: SEA

Site: 2220

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

509070 mE
508964 mE

7050230 mN
7050042 mN

Described By: Barry, Earl

Date: 25-Jul-2000

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: No record
Element: No record
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: Redoxic, HYDROSOL
GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| M1 | 0.00 to 1.50 | Dark grey (10YR41) moist; common 10-20% coarse 15-30mm prominent orange, common 10-20% coarse 15-30mm prominent red mottles; massive structure; moist when sampled; |
| A1 | 1.50 to 1.60 | Black (10YR21) moist; sapric medium clay; massive structure; moist when sampled; abrupt to; |
| B21 | 1.60 to 2.00 | Dark grey (10YR41) moist; common 10-20% coarse 15-30mm prominent dark, few 2-10% medium 5-15mm faint brown mottles; medium heavy clay; massive structure; moist when sampled; clear to; |
| 2A1 | 2.00 to 2.50 | Very dark grey (10YR31) moist; medium heavy clay; massive structure; moist when sampled; gradual to; |
| 2B21 | 2.50 to 2.80 | Dark grey (10YR41) moist; few 2-10% medium 5-15mm distinct dark mottles; medium clay; massive structure; moist when sampled; gradual to; |
| 2B22 | 2.80 to 3.30 | Greyish brown (10YR52) moist; few 2-10% medium 5-15mm distinct dark mottles; sandy light clay; massive structure; very few <2% fine <2mm ferruginous nodules; moist when sampled; clear to; |
| 3C1 | 3.30 to 3.60 | Red (10R46) moist; sandy heavy clay; massive structure; few 2-10% fine <2mm ferruginous nodules; moist when sampled; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.30 | | | | | 3.5 | 2.6 | |
| 0.80 | | | | | 4.1 | 2.4 | |
| 1.25 | | | | | 4.3 | 2.8 | |
| 1.50 | | | | | 4.5 | 1.5 | |
| 1.75 | | | | | 5.1 | 2.6 | |
| 2.00 | | | | | 5.4 | 1.5 | |
| 2.25 | | | | | 4.7 | 1.5 | |
| 2.50 | | | | | 5.1 | 1.6 | |
| 2.75 | | | | | 5.2 | 2.4 | |
| 3.00 | | | | | 4.8 | 2.0 | |
| 3.25 | | | | | 5.0 | 2.9 | |
| 3.50 | | | | | 4.9 | 2.9 | |

Notes:

Location Site at end of lake in Industrial area to south of Dalton Drive

Project: SEA

Site: 2221

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56 508130 mE
ZONE 56 508024 mE

7051137 mN
7050949 mN

Described By: Barry, Earl

Date: 27-Jul-2000

Landscape:

Geology: No record

Landform Pattern: alluvial plain

Runoff: No record

Microrelief: No record

Substrate Lithology: Alluvium

Element: No record

Permeability: No record

Microrelief Component: No record

Classifications:

ASC: PODOSOL

GSG: No record

PPF: No record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| A1 | 0.00 to 0.40 | Black (10YR21) moist; loamy sand; single grain structure; clear to; |
| A2e | 0.40 to 1.00 | Light grey (10YR72) moist; sand; single grain structure; clear to; |
| B1 | 1.00 to 1.60 | Very dark grey (2.5Y31) moist; clayey sand; single grain structure; gradual to; |
| B2h | 1.60 to 2.40 | Very dark brown (10YR22) moist; loamy sand; massive structure; strongly cemented continuous massive ortstein; abrupt to; |
| C1 | 2.40 to 3.70 | Dark greyish brown (2.5Y43) moist; few 2-10% coarse 15-30mm faint brown mottles; heavy sand; very few <2% subangular quartz small pebbles 2-6mm; single grain structure; diffuse to; |
| C2 | 3.70 to 5.90 | Olive grey (5Y52) moist; heavy sand; very few <2% subangular quartz small pebbles 2-6mm; single grain structure; gradual to; |
| C3 | 5.90 to 6.50 | Very dark greyish brown (2.5Y32) moist; sandy medium clay; very few <2% subangular quartz small pebbles 2-6mm; massive structure; gradual to; |
| C4 | 6.50 to 7.20 | Grey (2.5Y51) moist; sandy medium clay; very few <2% subrounded quartz medium pebbles 6-20mm, very few <2% subangular quartz small pebbles 2-6mm; massive structure; gradual to; |
| 2D1 | 7.20 to 7.30 | Grey (10YR51) moist; common 10-20% coarse 15-30mm prominent orange mottles; sandy medium clay; massive structure; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.9 | 3.2 | |
| 0.30 | | | | | 5.0 | 3.7 | |
| 0.60 | | | | | 5.3 | 3.8 | |
| 0.80 | | | | | 5.3 | 3.7 | |
| 1.00 | | | | | 5.2 | 3.7 | |
| 1.25 | | | | | 5.0 | 3.3 | |
| 1.50 | | | | | 4.6 | 2.4 | |
| 1.75 | | | | | 4.7 | 2.8 | |
| 2.00 | | | | | 4.6 | 3.0 | |
| 2.25 | | | | | 4.4 | 2.9 | |
| 2.50 | | | | | 4.7 | 0.9 | |
| 2.75 | | | | | 5.1 | 1.3 | |
| 3.00 | | | | | 5.1 | 0.9 | |
| 3.25 | | | | | 5.2 | 1.0 | |
| 3.50 | | | | | 4.8 | 1.0 | |
| 3.75 | | | | | 5.2 | 1.1 | |
| 4.00 | | | | | 5.4 | 1.1 | |
| 4.25 | | | | | 5.4 | 1.1 | |
| 4.50 | | | | | 5.4 | 1.0 | |
| 4.75 | | | | | 5.6 | 1.0 | |
| 5.00 | | | | | 5.5 | 0.7 | |
| 6.00 | | | | | 5.6 | 0.4 | |
| 6.50 | | | | | 5.0 | 1.2 | |
| 7.00 | | | | | 5.4 | 0.9 | |
| 7.25 | | | | | 5.6 | 1.0 | |

Notes:

Location Site on Horton park golf course, just north of greenkeepers shed over creek

Project: SEA

Site: 2222

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

507732 mE
507626 mE

7050833 mN
7050645 mN

Described By: Barry, Earl

Date: 02-Aug-2000

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: Alluvium
Element: swamp
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: Oxyaquic, HYDROSOL
GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| A11 | 0.00 to 0.30 | Black (10YR21) moist; few 2-10% medium 5-15mm distinct brown mottles; clay loam; massive structure; moist when sampled; clear to; |
| B21 | 0.30 to 0.55 | Very dark grey (10YR31) moist; sandy medium clay; massive structure; moist when sampled; clear to; |
| B3 | 0.55 to 0.75 | Dark grey (10YR41) moist; coarse sandy clay loam; few 2-10% angular quartz small pebbles 2-6mm, very few <2% angular quartz medium pebbles 6-20mm; single grain structure; moist when sampled; clear to; |
| B | 0.75 to 1.00 | Light brownish grey (10YR62) moist; very few <2% medium 5-15mm distinct orange mottles; clayey coarse sand; few 2-10% angular quartz small pebbles 2-6mm, very few <2% angular quartz medium pebbles 6-20mm; single grain structure; moist when sampled; clear to; |
| 2B2 | 1.00 to 2.40 | White (N80) moist; common 10-20% coarse 15-30mm prominent orange mottles; sandy medium heavy clay; massive structure; moist when sampled; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 5.9 | 2.6 | |
| 0.30 | | | | | 6.4 | 2.0 | |
| 0.45 | | | | | 6.1 | 2.0 | |
| 0.80 | | | | | 4.6 | 2.8 | |
| 1.00 | | | | | 4.6 | 2.7 | |
| 1.25 | | | | | 5.1 | 3.5 | |
| 1.50 | | | | | 5.5 | 3.1 | |
| 1.75 | | | | | 5.9 | 2.9 | |
| 2.00 | | | | | 5.8 | 3.1 | |
| 2.25 | | | | | 5.6 | 3.2 | |

Notes:

Project: SEA

Site: 2223

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

507353 mE
507247 mE

7050890 mN
7050702 mN

Described By: Barry, Earl

Date: 03-Aug-2000

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: Alluvium
Element: swamp
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: Sulfuric, Oxyaquic, HYDROSOL

GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| A11 | 0.00 to 0.20 | Very dark grey (10YR31) moist; sapric silty light clay; massive structure; wet when sampled; clear to; |
| 2C1u | 0.20 to 0.55 | Black (5Y2.51) moist; silty medium clay; massive structure; abrupt to; |
| 2P1 | 0.55 to 0.65 | Black (2.5Y21) moist; fibric clay loam; massive structure; wet when sampled; abrupt to; |
| 2C2u | 0.65 to 1.25 | Black (5Y2.51) moist; silty medium clay; massive structure; wet when sampled; clear to; |
| 4C3u | 1.25 to 1.30 | Dark grey (5Y41) moist; clayey sand; single grain structure; wet when sampled; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 5.3 | 3.3 | |
| 0.30 | | | | | 5.1 | 2.2 | |
| 0.60 | | | | | 5.0 | 2.8 | |
| 0.80 | | | | | 5.1 | 2.5 | |
| 1.00 | | | | | 5.4 | 2.5 | |
| 1.20 | | | | | 6.0 | 1.7 | |
| 1.30 | | | | | 5.6 | 2.7 | |

Notes:

Site Hand augered site

Project: SEA

Site: 2224

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

508448 mE
508342 mE

7050925 mN
7050737 mN

Described By: Barry, Earl

Date: 03-Aug-2000

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: Alluvium
Element: swamp
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: Sulfuric, Redoxic, HYDROSOL
GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| A11 | 0.00 to 0.25 | Black (10YR21) moist; sapric clay loam; massive structure; moist when sampled; clear to; |
| B21 | 0.25 to 0.40 | Dark grey (10YR41) moist; few 2-10% medium 5-15mm distinct orange mottles; sandy light clay; massive structure; moist when sampled; clear to; |
| B31 | 0.40 to 0.75 | Greyish brown (2.5Y52) moist; common 10-20% medium 5-15mm distinct orange mottles; sandy clay loam; massive structure; moist when sampled; clear to; |
| B32 | 0.75 to 1.20 | Dark grey (5Y41) moist; few 2-10% medium 5-15mm faint gley mottles; sandy clay loam; massive structure; wet when sampled; clear to; |
| B33 | 1.20 to 1.60 | Very dark grey (5Y31) moist; common 10-20% coarse 15-30mm faint dark mottles; heavy sand; single grain structure; wet when sampled; gradual to; |
| 2B21h | 1.60 to 2.10 | Black (10YR21) moist; loamy sand; massive structure; strongly cemented continuous massive ortstein; wet when sampled; gradual to; |
| 2B22s | 2.10 to 3.70 | Very dark greyish brown (2.5Y32) moist; loamy sand; single grain structure; wet when sampled; diffuse to; |
| 3C1u | 3.70 to 4.80 | Dark greenish grey (5GY31) moist; silty medium clay; massive structure; wet when sampled; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 5.3 | 3.0 | |
| 0.30 | | | | | 4.8 | 2.1 | |
| 0.60 | | | | | 4.4 | 2.3 | |
| 0.80 | | | | | 6.2 | 2.9 | |
| 1.00 | | | | | 6.3 | 1.6 | |
| 1.25 | | | | | 6.1 | 0.9 | |
| 1.50 | | | | | 6.3 | 1.0 | |
| 1.75 | | | | | 6.3 | 1.3 | |
| 2.00 | | | | | 6.4 | 3.4 | |
| 2.25 | | | | | 5.9 | 3.1 | |
| 2.50 | | | | | 6.0 | 1.6 | |
| 2.75 | | | | | 6.0 | 0.5 | |
| 3.00 | | | | | 6.1 | 1.6 | |
| 3.25 | | | | | 6.1 | 0.5 | |
| 3.50 | | | | | 6.2 | 0.5 | |
| 3.75 | | | | | 6.3 | 0.9 | |
| 4.00 | | | | | 6.3 | 1.0 | |
| 4.25 | | | | | 6.5 | 1.0 | |
| 4.50 | | | | | 6.4 | 1.0 | |
| 4.75 | | | | | 6.4 | 1.0 | |

Notes:

Site Frost augers from 1.8m

Project: SEA

Site: 2225

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

507490 mE
507384 mE

7067641 mN
7067453 mN

Described By: Barry, Earl

Date: 03-Aug-2000

Landscape:

Geology: No record
Landform Pattern: rises
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: Alluvium
Element: drainage depression
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: Aquic, PODOSOL

GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| A1 | 0.00 to 0.25 | Very dark grey (10YR31) moist; fine sandy clay loam; massive structure; |
| A21 | 0.25 to 0.70 | Grey (10YR61) moist; sand; single grain structure; |
| Bhs | 0.70 to 1.40 | Very dark greyish brown (10YR32) moist; loamy sand; massive structure; |
| 2D1 | 1.40 to 2.50 | White (10YR81) moist; few 2-10% medium 5-15mm prominent dark mottles; sandy medium clay; massive structure; moist when sampled; gradual to; |
| 2D2 | 2.50 to 3.60 | Brownish yellow (10YR66) moist; common 10-20% coarse 15-30mm prominent red, common 10-20% coarse 15-30mm prominent pale mottles; sandy medium heavy clay; massive structure; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 1.25 | | | | | 3.7 | 2.7 | |
| 1.50 | | | | | 5.4 | 2.9 | |
| 2.00 | | | | | 5.4 | 2.9 | |
| 2.50 | | | | | 5.6 | 2.7 | |
| 3.00 | | | | | 5.6 | 3.7 | |
| 3.50 | | | | | 5.6 | 3.9 | |

Notes:

Project: SEA

Site: 2226

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

506864 mE
506758 mE

7067755 mN
7067567 mN

Described By: Barry, Earl

Date: 03-Aug-2000

Landscape:

Geology: No record
Landform Pattern: rises
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: No record
Element: swamp
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: Aquic, PODOSOL
GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| A11 | 0.00 to 0.15 | Black (10YR21) moist; fibric peat; massive structure; wet when sampled; clear to; |
| A21 | 0.15 to 0.40 | Greyish brown (10YR52) moist; loamy coarse sand; single grain structure; wet when sampled; gradual to; |
| A22e | 0.40 to 1.20 | Light grey (10YR72) moist; coarse sand; single grain structure; wet when sampled; clear to; |
| B21h | 1.20 to 1.50 | Black (10YR21) moist; loamy coarse sand; massive structure; strongly cemented continuous massive ortstein; wet when sampled; abrupt to; |
| B22 | 1.50 to 1.60 | Brown (10YR43) moist; fine sandy clay loam; massive structure; moist when sampled; abrupt to; |
| B23h | 1.60 to 1.90 | Black (10YR21) moist; loamy coarse sand; massive structure; wet when sampled; clear to; |
| B3 | 1.90 to 2.40 | Dark greyish brown (10YR42) moist; heavy coarse sand; gradual to; |
| 2C1u | 2.40 to 4.80 | Very dark greyish brown (2.5Y32) moist; silty light clay; massive structure; wet when sampled; |
| 3D1 | 4.80 to 5.50 | Grey (10YR61) moist; sandy medium clay; massive structure; wet when sampled; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 3.9 | 2.1 | |
| 0.30 | | | | | 4.1 | 2.3 | |
| 0.60 | | | | | 4.7 | 2.7 | |
| 0.80 | | | | | 5.0 | 2.8 | |
| 1.00 | | | | | 5.0 | 3.3 | |
| 1.25 | | | | | 5.0 | 2.8 | |
| 1.50 | | | | | 5.1 | 3.7 | |
| 1.75 | | | | | 5.1 | 3.5 | |
| 2.00 | | | | | 5.2 | 3.4 | |
| 2.25 | | | | | 5.2 | 3.1 | |
| 2.50 | | | | | 5.3 | 1.1 | |
| 3.00 | | | | | 5.1 | 1.2 | |
| 3.50 | | | | | 5.5 | 0.9 | |
| 5.30 | | | | | 6.0 | 3.6 | |

Notes:

Project: SEA

Site: 2227

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

506234 mE
506128 mE

7066388 mN
7066200 mN

Described By: Adams, J (Justin)

Date: 08-Aug-2000

Landscape:

Geology: No record
Landform Pattern: beach ridge plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: No record
Element: beach ridge
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: PODOSOL

GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| A11 | 0.00 to 0.10 | Very dark grey (10YR31) moist; clay loam, fine sandy; massive structure; clear to; |
| A21e | 0.10 to 0.70 | Light brownish grey (10YR62) moist; sand; single grain structure; gradual to; |
| A22e | 0.70 to 1.00 | Pale brown (10YR63) moist; sand; single grain structure; gradual to; |
| B21 | 1.00 to 1.40 | Dark brown (7.5YR32) moist; sand; single grain structure; clear to; |
| B22 | 1.40 to 1.90 | Pale brown (10YR63) moist; sand; single grain structure; gradual to; |
| 2C1 | 1.90 to 2.45 | Light yellowish brown (2.5Y64) moist; coarse sand; single grain structure; gradual to; |
| 3C2 | 2.45 to 4.30 | Dark greyish brown (2.5Y43) moist; sand; single grain structure; abrupt to; |
| 4C3 | 4.30 to 5.00 | Grey (10YR51) moist; sand; single grain structure; |
| 5C4u | 5.00 to 6.00 | Dark grey (5Y41) moist; silty light clay; massive structure; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.2 | 1.4 | |
| 0.30 | | | | | 4.9 | 2.7 | |
| 0.60 | | | | | 5.1 | 3.8 | |
| 0.80 | | | | | 5.2 | 3.6 | |
| 1.00 | | | | | 5.2 | 3.2 | |
| 1.25 | | | | | 5.2 | 3.5 | |
| 1.50 | | | | | 5.1 | 3.4 | |
| 1.75 | | | | | 5.3 | 2.3 | |
| 2.00 | | | | | 5.3 | 2.6 | |
| 2.25 | | | | | 5.2 | 2.6 | |
| 2.50 | | | | | 5.4 | 1.7 | |
| 2.75 | | | | | 5.3 | 1.7 | |
| 3.00 | | | | | 5.3 | 2.0 | |
| 3.25 | | | | | 5.4 | 2.5 | |
| 3.50 | | | | | 5.3 | 2.3 | |
| 3.75 | | | | | 5.5 | 2.4 | |
| 4.00 | | | | | 5.6 | 2.2 | |
| 4.25 | | | | | 5.6 | 2.2 | |
| 4.50 | | | | | 5.6 | 1.5 | |
| 4.75 | | | | | 5.7 | 1.5 | |
| 5.00 | | | | | 5.7 | 1.4 | |
| 5.25 | | | | | 5.9 | 1.9 | |
| 5.50 | | | | | 5.5 | 1.5 | |
| 5.75 | | | | | 5.7 | 1.4 | |
| 6.00 | | | | | 5.8 | 1.4 | |

Notes:

Location Left side of Quanda Rd just before Quarry Rd
Vegetation Wallum country

Project: SEA

Site: 2228

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

506542 mE
506436 mE

7066372 mN
7066184 mN

Described By: Adams, J (Justin)

Date: 08-Aug-2000

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: No record
Element: swamp
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: Oxyaquic, HYDROSOL
GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| A11 | 0.00 to 0.30 | Very dark grey (10YR31) moist; fine sandy clay loam; massive structure; wet when sampled; gradual to; |
| A12 | 0.30 to 0.60 | Dark grey (10YR41) moist; sandy clay loam; massive structure; wet when sampled; gradual to; |
| 2C1 | 0.60 to 1.00 | Greyish brown (10YR52) moist; sandy clay loam; massive structure; wet when sampled; gradual to; |
| 3C2 | 1.00 to 1.40 | Very dark greyish brown (10YR32) moist; sandy clay loam; massive structure; gradual to; |
| 4C3 | 1.40 to 2.40 | Light grey (10YR72) moist; sand; single grain structure; wet when sampled; clear to; |
| 4C4 | 2.40 to 3.00 | White (10YR81) moist; sand; single grain structure; wet when sampled; clear to; |
| 5C5 | 3.00 to 4.00 | Grey (2.5Y61) moist; sand; single grain structure; wet when sampled; clear to; |
| 6C6u | 4.00 to 4.80 | Dark grey (5Y41) moist; silty light clay; massive structure; wet when sampled; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.5 | 4.1 | |
| 0.30 | | | | | 5.0 | 4.0 | |
| 0.60 | | | | | 5.1 | 4.3 | |
| 0.80 | | | | | 5.3 | 4.1 | |
| 1.00 | | | | | 5.4 | 4.0 | |
| 1.25 | | | | | 5.3 | 3.2 | |
| 1.50 | | | | | 5.4 | 3.5 | |
| 1.75 | | | | | 5.6 | 3.1 | |
| 2.00 | | | | | 5.7 | 1.8 | |
| 2.25 | | | | | 5.6 | 1.0 | |
| 2.50 | | | | | 5.7 | 1.3 | |
| 2.75 | | | | | 5.4 | 1.3 | |
| 3.00 | | | | | 5.7 | 1.2 | |
| 3.25 | | | | | 5.7 | 1.5 | |
| 3.50 | | | | | 6.0 | 1.3 | |
| 3.75 | | | | | 6.1 | 1.5 | |
| 4.00 | | | | | 6.1 | 1.4 | |
| 4.25 | | | | | 6.3 | 1.0 | |
| 4.50 | | | | | 6.1 | 1.1 | |
| 4.75 | | | | | 6.0 | 1.1 | |

Notes:

Project: SEA

Site: 2229

Soil Name: No record

Location: GDA 94 ZONE 56 505737 mE 7066766 mN
Location: AGD 84 ZONE 56 505631 mE 7066578 mN

Described By: Adams, J (Justin)

Date: 09-Aug-2000

Landscape:

Geology: No record **Substrate Lithology:** No record
Landform Pattern: beach ridge plain **Element:** beach ridge
Runoff: No record **Permeability:** No record
Microrelief: No record **Microrelief Component:** No record
Drainage: No record **Slope:** No record
Surface Coarse Fragments: No record
Surface Condition: No record

Classifications:

ASC: Aquic, PODOSOL
GSG: No record **PPF:** No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| A11 | 0.00 to 0.10 | Dark grey (10YR41) moist; sand; single grain structure; gradual to; |
| A21 | 0.10 to 0.30 | Grey (10YR61) moist; sand; single grain structure; gradual to; |
| B21 | 0.30 to 0.50 | Brown (10YR43) moist; sand; single grain structure; gradual to; |
| B22 | 0.50 to 0.65 | Light brownish grey (10YR62) moist; sand; single grain structure; abrupt to; |
| B23h | 0.65 to 1.80 | Black (10YR21) moist; sand; massive structure; moderately cemented continuous massive organic pan; |
| 2C1 | 1.80 to 3.90 | Olive brown (2.5Y44) moist; sand; single grain structure; |
| 2C2 | 3.90 to 4.80 | Dark brown (10YR33) moist; coarse sand; single grain structure; |
| 3C3 | 4.80 to 5.00 | Grey (2.5Y51) moist; coarse sand; single grain structure; |
| 4C4 | 5.00 to 5.30 | Olive brown (2.5Y44) moist; coarse sand; single grain structure; |
| 5C5 | 5.30 to 6.00 | Dark grey (2.5Y41) moist; sandy loam; massive structure; |
| 6C6 | 6.00 to 6.80 | Grey (2.5Y61) moist; heavy sandy light clay; massive structure; |
| 7C7 | 6.80 to 7.20 | Grey (2.5Y61) moist; coarse sand; single grain structure; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 3.5 | 2.9 | |
| 0.30 | | | | | 4.3 | 3.6 | |
| 0.60 | | | | | 4.8 | 4.8 | |
| 0.80 | | | | | 5.7 | 4.7 | |
| 1.00 | | | | | 5.6 | 4.8 | |
| 1.25 | | | | | 5.4 | 4.6 | |
| 1.50 | | | | | 5.4 | 4.5 | |
| 1.75 | | | | | 5.3 | 4.4 | |
| 2.00 | | | | | 5.8 | 2.6 | |
| 2.50 | | | | | 5.7 | 2.1 | |
| 3.50 | | | | | 5.9 | 1.8 | |
| 4.00 | | | | | 5.8 | 1.3 | |
| 4.50 | | | | | 5.7 | 1.5 | |
| 5.00 | | | | | 5.4 | 1.7 | |
| 5.50 | | | | | 6.1 | 1.8 | |
| 6.00 | | | | | 6.3 | 1.8 | |
| 6.50 | | | | | 6.5 | 2.5 | |
| 7.00 | | | | | 6.1 | 1.8 | |

Notes:

Site Frost augers to 7.2m
Vegetation Pine forest

Project: SEA **Site:** 2230

Soil Name: No record

Location: GDA 94 **ZONE** 56 **506293 mE** **7067133 mN**
Location: AGD 84 **ZONE** 56 **506187 mE** **7066945 mN**

Described By: Adams, J (Justin)

Date: 10-Aug-2000

Landscape:

Geology: No record **Substrate Lithology:** No record
Landform Pattern: beach ridge plain **Element:** beach ridge
Runoff: No record **Permeability:** No record
Microrelief: No record **Microrelief Component:** No record
Drainage: No record **Slope:** No record
Surface Coarse Fragments: No record
Surface Condition: No record

Classifications:

ASC: Aquic, PODOSOL
GSG: No record **PPF:** No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| A11 | 0.00 to 0.40 | Grey (10YR51) moist; few 2-10% medium 5-15mm distinct grey mottles; sand; single grain structure; |
| A2e | 0.40 to 0.95 | Light grey (10YR72) moist; sand; single grain structure; |
| B21hs | 0.95 to 2.10 | Black (10YR21) moist; sand; single grain structure; moderately cemented continuous massive organic pan; |
| 2C1 | 2.10 to 3.60 | Dark yellowish brown (10YR44) moist; sand; single grain structure; |
| 2C2 | 3.60 to 3.90 | Greyish brown (2.5Y53) moist; sand; single grain structure; |
| 3C3 | 3.90 to 5.10 | Greyish brown (2.5Y52) moist; sand; single grain structure; |
| 4C4 | 5.10 to 5.50 | Dark grey (5Y41) moist; sandy clay loam; massive structure; |
| 5D1 | 5.50 to 6.00 | Grey (2.5Y61) moist; light clay; massive structure; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.1 | 1.6 | |
| 0.30 | | | | | 4.3 | 1.9 | |
| 0.60 | | | | | 4.3 | 3.0 | |
| 0.80 | | | | | 4.6 | 2.7 | |
| 1.00 | | | | | 4.4 | 3.4 | |
| 1.25 | | | | | 4.4 | 2.9 | |
| 1.50 | | | | | 4.3 | 2.8 | |
| 1.75 | | | | | 4.0 | 3.4 | |
| 2.00 | | | | | 3.9 | 2.9 | |
| 2.25 | | | | | 4.1 | 3.4 | |
| 2.50 | | | | | 4.9 | 1.5 | |
| 2.75 | | | | | 5.1 | 1.5 | |
| 3.00 | | | | | 5.1 | 1.6 | |
| 3.25 | | | | | 5.6 | 1.6 | |
| 3.50 | | | | | 5.8 | 1.5 | |
| 3.75 | | | | | 5.7 | 1.4 | |
| 4.00 | | | | | 5.5 | 1.7 | |
| 4.25 | | | | | 5.4 | 1.2 | |
| 4.50 | | | | | 5.6 | 1.8 | |
| 4.75 | | | | | 5.5 | 1.9 | |
| 5.00 | | | | | 5.7 | 1.8 | |
| 5.25 | | | | | 5.8 | 1.9 | |
| 5.50 | | | | | 5.8 | 1.5 | |
| 5.75 | | | | | 5.6 | 2.0 | |
| 6.00 | | | | | 5.7 | 1.6 | |

Notes:

Location: Near shed at junction in road
Site: Frost augers from 2.0m to 6.0m

Project: SEA

Site: 2231

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

505946 mE
505840 mE

7067188 mN
7067000 mN

Described By: Adams, J (Justin)

Date: 10-Aug-2000

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: No record
Element: plain
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: Aquic, PODOSOL

GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| A11 | 0.00 to 0.10 | Black (10YR21) moist; sandy clay loam; massive structure; |
| A12 | 0.10 to 0.30 | Dark grey (10YR41) moist; sand; single grain structure; |
| A2e | 0.30 to 0.70 | Light grey (10YR71) moist; sand; single grain structure; |
| B21 | 0.70 to 0.90 | Brown (10YR53) moist; sand; single grain structure; |
| B22hs | 0.90 to 1.20 | Black (10YR21) moist; sand; single grain structure; moderately cemented continuous massive organic pan; |
| 2C1 | 1.20 to 2.20 | Dark yellowish brown (10YR44) moist; sand; single grain structure; |
| 2C2 | 2.20 to 3.40 | Olive grey (5Y42) moist; sand; single grain structure; |
| 3C3 | 3.40 to 4.00 | Olive grey (5Y42) moist; sand; single grain structure; |
| 4C5 | 4.00 to 4.50 | Dark grey (5Y41) moist; loamy sand; very few <2% angular charcoal medium pebbles 6-20mm; single grain structure; |
| 4C6 | 4.50 to 4.80 | Dark grey (5Y41) moist; clayey sand; massive structure; |
| 5C7 | 4.80 to 5.60 | Dark grey (5Y41) moist; silty light clay; massive structure; |
| 6C8 | 5.60 to 6.00 | Grey (2.5Y51) moist; light medium clay; massive structure; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 1.50 | | | | | 5.5 | 4.5 | |
| 2.00 | | | | | 6.1 | 3.0 | |
| 2.50 | | | | | 6.2 | 2.8 | |
| 3.00 | | | | | 6.2 | 1.8 | |
| 3.50 | | | | | 6.0 | 0.8 | |
| 4.00 | | | | | 5.8 | 1.2 | |
| 4.50 | | | | | 6.3 | 1.4 | |
| 5.00 | | | | | 6.4 | 1.7 | |
| 5.50 | | | | | 6.6 | 1.8 | |
| 6.00 | | | | | 6.7 | 1.6 | |

Notes:

Project: SEA

Site: 2232

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56 507135 mE
ZONE 56 507029 mE

7066126 mN
7065938 mN

Described By: Barry, Earl

Date: 15-Aug-2000

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: soft

Substrate Lithology: Alluvium
Element: swamp
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: Aquic, PODOSOL

GSG: No record

PPF: No record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| A1 | 0.00 to 0.80 | Very dark greyish brown (10YR32) moist; loamy sand; single grain structure; wet when sampled; |
| B21h | 0.80 to 1.20 | Black (10YR21) moist; loamy sand; massive structure; moderately cemented continuous massive ortstein; wet when sampled; |
| B22h | 1.20 to 2.20 | Very dark brown (7.5YR22) moist; heavy sand; single grain structure; wet when sampled; |
| B23s | 2.20 to 3.40 | Dark brown (10YR33) moist; heavy sand; single grain structure; wet when sampled; |
| B24 | 3.40 to 5.60 | Brown (10YR43) moist; sand; single grain structure; wet when sampled; |
| 2B25 | 5.60 to 6.60 | Brown (10YR43) moist; sand; very few <2% subrounded quartz small pebbles 2-6mm; single grain structure; wet when sampled; |
| 2C1u | 6.60 to 7.20 | Very dark grey (5Y31) moist; clayey sand; very few <2% subrounded quartz small pebbles 2-6mm; single grain structure; wet when sampled; |
| 3C2u | 7.20 to 8.50 | Dark greenish grey (10Y31) moist; silty medium clay; massive structure; wet when sampled; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.7 | 3.4 | |
| 0.30 | | | | | 4.2 | 3.7 | |
| 0.60 | | | | | 4.0 | 3.7 | |
| 1.00 | | | | | 4.1 | 3.6 | |
| 1.50 | | | | | 5.0 | 1.5 | |
| 2.00 | | | | | 4.6 | 1.7 | |
| 2.50 | | | | | 5.5 | 1.6 | |
| 3.00 | | | | | 5.4 | 1.6 | |
| 3.50 | | | | | 5.4 | 1.4 | |
| 4.00 | | | | | 5.4 | 1.7 | |
| 4.50 | | | | | 5.4 | 1.5 | |
| 5.00 | | | | | 5.6 | 1.6 | |
| 5.50 | | | | | 5.4 | 2.4 | |
| 6.00 | | | | | 5.5 | 2.4 | |
| 6.25 | | | | | 4.9 | 2.3 | |
| 6.50 | | | | | 5.0 | 2.3 | |
| 6.75 | | | | | 5.6 | 1.8 | |
| 7.00 | | | | | 6.1 | 1.6 | |
| 7.25 | | | | | 6.6 | 1.7 | |
| 7.50 | | | | | 6.6 | 1.6 | |
| 7.75 | | | | | 6.8 | 1.7 | |
| 8.00 | | | | | 6.6 | 1.4 | |
| 8.25 | | | | | 6.3 | 1.4 | |

Notes:

Site Frost auger through podsol to 8.5m

Project: SEA

Site: 2233

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

506644 mE
506538 mE

7066122 mN
7065934 mN

Described By: Barry, Earl

Date: 17-Aug-2000

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: No record
Element: plain
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: Redoxic, HYDROSOL
GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| A1 | 0.00 to 0.20 | Black (10YR21) moist; clay loam; massive structure; moist when sampled; clear to; |
| B21 | 0.20 to 0.40 | Dark greyish brown (2.5Y42) moist; few 2-10% medium 5-15mm distinct brown mottles; sandy light clay; massive structure; moist when sampled; gradual to; |
| 2A2e | 0.40 to 0.75 | White (10YR81) moist; few 2-10% very coarse >30mm distinct brown mottles; sand; single grain structure; moist when sampled; clear to; |
| 2B | 0.75 to 1.70 | Brownish yellow (10YR66) moist; common 10-20% coarse 15-30mm prominent orange mottles; clayey sand; very few <2% angular quartz small pebbles 2-6mm; single grain structure; moist when sampled; abrupt to; |
| 3D1 | 1.70 to 2.40 | Light greenish grey (10GY71) moist; common 10-20% medium 5-15mm distinct pale, few 2-10% medium 5-15mm distinct grey mottles; silty medium heavy clay; moderately moist when sampled; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.9 | 2.7 | |
| 0.30 | | | | | 5.6 | 3.0 | |
| 0.60 | | | | | 4.8 | 4.2 | |
| 0.80 | | | | | 5.1 | 3.9 | |
| 1.00 | | | | | 5.2 | 4.4 | |
| 1.25 | | | | | 5.0 | 4.2 | |
| 1.50 | | | | | 4.9 | 3.2 | |
| 1.75 | | | | | 5.0 | 3.3 | |
| 2.00 | | | | | 5.5 | 2.8 | |
| 2.25 | | | | | 5.7 | 2.8 | |

Notes:

Project: SEA

Site: 2234

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

506702 mE
506596 mE

7066230 mN
7066042 mN

Described By: Barry, Earl

Date: 17-Aug-2000

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: No record
Element: swamp
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: Redoxic, HYDROSOL
GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| A11 | 0.00 to 0.25 | Black (10YR21) moist; sandy peat; massive structure; wet when sampled; clear to; |
| A12 | 0.25 to 0.55 | Dark grey (2.5Y41) moist; sandy clay loam; massive structure; wet when sampled; clear to; |
| A13 | 0.55 to 1.10 | Dark greyish brown (10YR42) moist; loamy sand; single grain structure; wet when sampled; gradual to; |
| A21e | 1.10 to 1.60 | Light brownish grey (10YR62) moist; sand; single grain structure; wet when sampled; gradual to; |
| A22e | 1.60 to 2.45 | Light grey (10YR71) moist; sand; few 2-10% angular quartz small pebbles 2-6mm; single grain structure; wet when sampled; clear to; |
| 2D1 | 2.45 to 2.90 | Light greenish grey (10GY71) moist; common 10-20% medium 5-15mm distinct grey mottles; medium clay; abundant 50-90% angular chert large pebbles 20-60mm; wet when sampled; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.8 | 3.6 | |
| 0.30 | | | | | 5.5 | 4.1 | |
| 0.60 | | | | | 5.3 | 4.6 | |
| 0.80 | | | | | 5.1 | 4.5 | |
| 1.00 | | | | | 5.1 | 4.6 | |
| 1.25 | | | | | 5.4 | 4.0 | |
| 1.50 | | | | | 5.4 | 4.2 | |
| 1.75 | | | | | 5.2 | 1.9 | |
| 2.00 | | | | | 5.4 | 1.6 | |
| 2.25 | | | | | 5.8 | 1.4 | |
| 2.50 | | | | | 6.2 | 2.3 | |
| 2.75 | | | | | 6.8 | 2.1 | |

Notes:

Project: SEA

Site: 2235

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56 507932 mE
ZONE 56 507826 mE

7067227 mN
7067039 mN

Described By: Barry, Earl

Date: 23-Aug-2000

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: Alluvium
Element: plain
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: Aquic, PODOSOL

GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| A11 | 0.00 to 0.10 | Very dark greyish brown (10YR32) moist; loamy sand; massive structure; moist when sampled; clear to; |
| B21s | 0.10 to 0.95 | Yellowish brown (10YR58) moist; loamy sand; single grain structure; moist when sampled; clear to; |
| 2A2e | 0.95 to 1.20 | White (10YR81) moist; sand; single grain structure; wet when sampled; clear to; |
| 2B2s | 1.20 to 1.80 | Yellowish brown (10YR54) moist; sand; single grain structure; wet when sampled; gradual to; |
| 3C1 | 1.80 to 2.20 | Greyish brown (2.5Y53) moist; sand; single grain structure; wet when sampled; clear to; |
| 3C2 | 2.20 to 2.70 | Dark greyish brown (2.5Y43) moist; loamy sand; massive structure; few 2-10% coarse 6-20mm ferruginous-organic concretions; wet when sampled; abrupt to; |
| 3C3u | 2.70 to 2.80 | Very dark grey (5Y31) moist; clayey sand; many 20-50% coarse 6-20mm ferruginous-organic concretions; wet when sampled; abrupt to; |
| 4D1 | 2.80 to 3.60 | White (10YR81) moist; few 2-10% coarse 15-30mm prominent red mottles; sandy medium clay; very few <2% subangular quartz small pebbles 2-6mm; massive structure; moist when sampled; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 5.1 | 3.2 | |
| 0.30 | | | | | 5.1 | 4.3 | |
| 0.60 | | | | | 4.8 | 4.1 | |
| 0.80 | | | | | 4.7 | 4.0 | |
| 1.00 | | | | | 5.1 | 3.8 | |
| 1.25 | | | | | 5.3 | 4.4 | |
| 1.50 | | | | | 5.2 | 4.2 | |
| 1.75 | | | | | 5.4 | 4.2 | |
| 2.00 | | | | | 5.4 | 1.5 | |
| 2.25 | | | | | 4.9 | 1.4 | |
| 2.50 | | | | | 5.1 | 2.1 | |
| 2.75 | | | | | 5.3 | 2.6 | |
| 3.00 | | | | | 6.2 | 2.4 | |
| 3.25 | | | | | 5.7 | 4.2 | |
| 3.50 | | | | | 6.0 | 2.6 | |

Notes:

Observation Low wallum heathland
Site Site south of Coolum Pony Club, near north boundary of Noosa National Park
Site Seem to have hit thin estuarine layer just above pre-holocene clay

Project: SEA

Site: 2236

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

507653 mE
507547 mE

7067212 mN
7067024 mN

Described By: Barry, Earl

Date: 23-Aug-2000

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: No record
Element: plain
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: Aquic, PODOSOL
GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| A11 | 0.00 to 0.15 | Very dark grey (10YR31) moist; loamy sand; massive structure; No decode(1) when sampled; clear to; |
| A2e | 0.15 to 0.90 | White (10YR81) moist; few 2-10% medium 5-15mm faint brown mottles; sand; single grain structure; wet when sampled; clear to; |
| B21h | 0.90 to 2.30 | Black (10YR21) moist; loamy sand; massive structure; strongly cemented continuous massive ortstein; wet when sampled; gradual to; |
| B22s | 2.30 to 3.70 | Brown (7.5YR43) moist; few 2-10% medium 5-15mm faint brown mottles; sand; single grain structure; wet when sampled; gradual to; |
| 2C1 | 3.70 to 4.60 | Reddish brown (2.5YR43) moist; heavy sand; single grain structure; wet when sampled; gradual to; |
| 3C2u | 4.60 to 6.70 | Dark greenish grey (10GY31) moist; silty light medium clay; massive structure; wet when sampled; clear to; |
| 4D1 | 6.70 to 6.90 | Reddish brown (5YR44) moist; few 2-10% medium 5-15mm prominent brown mottles; sapric sandy clay loam; many 20-50% medium pebbles 6-20mm; massive structure; moist when sampled; clear to; |
| 4D2 | 6.90 to 7.25 | White (10YR81) moist; sandy medium clay; massive structure; moist when sampled; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 3.8 | 2.9 | |
| 0.60 | | | | | 4.8 | 4.0 | |
| 1.00 | | | | | 4.7 | 3.6 | |
| 2.00 | | | | | 4.8 | 3.5 | |
| 3.25 | | | | | 4.9 | 4.1 | |
| 3.50 | | | | | 4.8 | 3.7 | |
| 3.75 | | | | | 5.0 | 1.7 | |
| 4.00 | | | | | 5.2 | 0.8 | |
| 4.25 | | | | | 5.7 | 1.8 | |
| 4.50 | | | | | 5.6 | 1.4 | |
| 4.75 | | | | | 5.9 | 1.5 | |
| 5.00 | | | | | 5.9 | 1.4 | |
| 5.25 | | | | | 5.9 | 1.4 | |
| 5.50 | | | | | 6.0 | 1.5 | |
| 5.75 | | | | | 5.9 | 1.2 | |
| 6.00 | | | | | 5.6 | 1.1 | |
| 6.25 | | | | | 5.4 | 1.2 | |
| 6.50 | | | | | 5.7 | 1.0 | |
| 6.75 | | | | | 5.9 | 1.8 | |
| 7.00 | | | | | 5.8 | 0.4 | |
| 7.25 | | | | | 5.6 | 2.0 | |

Notes:

Observation Low Wallum/herbs

Site Site on west side of sunshine Motorway , 100m south of powerline in Noosa National Park

Project: SEA

Site: 2237

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

505425 mE
505319 mE

7065944 mN
7065756 mN

Described By: Barry, Earl

Date: 24-Aug-2000

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: No record
Element: swamp
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: Aquic, PODOSOL

GSG: No record

PPF: No record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| M1 | 0.00 to 1.10 | Loamy sand; many 20-50%; |
| A11 | 1.10 to 1.30 | Black (10YR21) moist; sapric sandy clay loam; massive structure; wet when sampled; clear to; |
| A12 | 1.30 to 1.60 | Very dark grey (5Y31) moist; clayey sand; massive structure; wet when sampled; clear to; |
| A2e | 1.60 to 2.00 | Light grey (10YR72) moist; sand; single grain structure; wet when sampled; clear to; |
| B21h | 2.00 to 2.40 | Very dark brown (7.5YR22) moist; few 2-10% medium 5-15mm distinct dark mottles; loamy sand; strongly cemented continuous massive ortstein; wet when sampled; gradual to; |
| B22s | 2.40 to 3.00 | Brown (10YR43) moist; loamy sand; wet when sampled; gradual to; |
| 2C1 | 3.00 to 3.90 | Dark greyish brown (2.5Y43) moist; sand; single grain structure; wet when sampled; diffuse to; |
| 2C2 | 3.90 to 5.90 | Grey (5Y51) moist; clayey sand; single grain structure; wet when sampled; clear to; |
| 3C3u | 5.90 to 6.00 | Dark greenish grey (10Y31) moist; silty light clay; massive structure; wet when sampled; |

Project: SEA

Site: 2237

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.9 | 2.6 | |
| 0.60 | | | | | 4.2 | 2.8 | |
| 1.00 | | | | | 4.4 | 3.3 | |
| 1.25 | | | | | 4.9 | 1.8 | |
| 1.50 | | | | | 5.1 | 2.4 | |
| 1.75 | | | | | 5.1 | 2.6 | |
| 2.00 | | | | | 5.5 | 1.6 | |
| 2.25 | | | | | 5.3 | 2.3 | |
| 2.50 | | | | | 5.4 | 2.6 | |
| 2.75 | | | | | 5.8 | 2.7 | |
| 3.00 | | | | | 5.9 | 2.6 | |
| 3.25 | | | | | 5.8 | 2.1 | |
| 3.50 | | | | | 5.5 | 2.0 | |
| 3.75 | | | | | 5.6 | 2.0 | |
| 4.00 | | | | | 5.5 | 1.9 | |
| 4.25 | | | | | 4.8 | 1.9 | |
| 4.50 | | | | | 4.8 | 1.7 | |
| 4.75 | | | | | 5.9 | 1.5 | |
| 5.00 | | | | | 4.6 | 1.6 | |
| 5.25 | | | | | 4.2 | 1.4 | |
| 5.50 | | | | | 4.7 | 1.3 | |
| 5.75 | | | | | 5.3 | 1.3 | |
| 6.00 | | | | | 5.8 | 1.3 | |

Notes:

Site

Horizon S1 consisting of layers of Loamy Sand, coffee sand and timber

Project: SEA

Site: 2238

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

505483 mE
505377 mE

7066187 mN
7065999 mN

Described By: Barry, Earl

Date: 24-Aug-2000

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: No record
Element: plain
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: Aquic, PODOSOL

GSG: No record

PPF: No record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| A11 | 0.00 to 0.25 | Very dark grey (10YR31) moist; loamy sand; massive structure; moist when sampled; clear to; |
| A2e | 0.25 to 0.90 | Light grey (10YR72) moist; common 10-20% medium 5-15mm faint grey mottles; sand; single grain structure; wet when sampled; clear to; |
| B21h | 0.90 to 2.00 | Black (10YR21) moist; loamy sand; massive structure; strongly cemented continuous massive ortstein; wet when sampled; gradual to; |
| B22s | 2.00 to 3.50 | Dark brown (10YR33) moist; sand; single grain structure; wet when sampled; diffuse to; |
| B23s | 3.50 to 4.40 | Very dark greyish brown (10YR32) moist; sand; wet when sampled; gradual to; |
| 2C1u | 4.40 to 5.70 | Greyish brown (2.5Y52) moist; clayey sand; single grain structure; wet when sampled; clear to; |
| 3C2u | 5.70 to 6.40 | Dark greenish grey (10Y31) moist; silty light medium clay; massive structure; wet when sampled; clear to; |
| 4D1 | 6.40 to 7.25 | Grey (5Y51) moist; sandy medium heavy clay; massive structure; moist when sampled; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.5 | 2.3 | |
| 0.30 | | | | | 5.2 | 2.1 | |
| 0.60 | | | | | 5.2 | 3.5 | |
| 0.80 | | | | | 5.0 | 2.6 | |
| 1.00 | | | | | 4.8 | 2.5 | |
| 1.50 | | | | | 4.2 | 2.4 | |
| 2.00 | | | | | 5.0 | 1.9 | |
| 2.50 | | | | | 5.2 | 2.2 | |
| 3.00 | | | | | 5.2 | 2.0 | |
| 3.50 | | | | | 5.2 | 1.7 | |
| 3.75 | | | | | 5.5 | 1.7 | |
| 4.00 | | | | | 5.3 | 1.6 | |
| 4.25 | | | | | 5.5 | 1.5 | |
| 4.50 | | | | | 5.5 | 1.7 | |
| 4.75 | | | | | 6.0 | 1.7 | |
| 5.00 | | | | | 5.6 | 1.6 | |
| 5.25 | | | | | 5.7 | 1.5 | |
| 5.50 | | | | | 6.1 | 1.3 | |
| 5.75 | | | | | 6.1 | 1.2 | |
| 6.00 | | | | | 5.7 | 1.3 | |
| 6.25 | | | | | 5.8 | 1.4 | |
| 6.50 | | | | | 5.4 | 2.7 | |
| 6.75 | | | | | 5.4 | 2.4 | |
| 7.00 | | | | | 5.8 | 2.4 | |

Notes:

Project: SEA

Site: 2239

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

505895 mE
505789 mE

7066303 mN
7066115 mN

Described By: Barry, Earl

Date: 24-Aug-2000

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: Alluvium
Element: plain
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: Aquic, PODOSOL
GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| A1 | 0.00 to 0.20 | Very dark grey (10YR31) moist; loamy sand; massive structure; moist when sampled; clear to; |
| A2e | 0.20 to 0.75 | Light grey (10YR72) moist; sand; single grain structure; wet when sampled; gradual to; |
| B21h | 0.75 to 1.20 | Black (10YR21) moist; loamy sand; massive structure; moderately cemented continuous massive ortstein; wet when sampled; gradual to; |
| B22s | 1.20 to 1.60 | Very dark greyish brown (10YR32) moist; sand; single grain structure; gradual to; |
| B31 | 1.60 to 2.40 | Brown (10YR53) moist; sand; single grain structure; wet when sampled; gradual to; |
| 2C1u | 2.40 to 5.20 | Olive grey (5Y52) moist; sand; single grain structure; wet when sampled; gradual to; |
| 3C2u | 5.20 to 6.30 | Dark greenish grey (10Y31) moist; silty medium clay; massive structure; gradual to; |
| 4D1 | 6.30 to 7.25 | Grey (N50) moist; sandy medium heavy clay; massive structure; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.2 | 2.8 | |
| 0.60 | | | | | 5.0 | 4.3 | |
| 1.00 | | | | | 5.0 | 3.7 | |
| 1.50 | | | | | 5.8 | 3.6 | |
| 2.00 | | | | | 6.1 | 2.1 | |
| 2.50 | | | | | 6.0 | 1.9 | |
| 2.75 | | | | | 5.9 | 1.6 | |
| 3.00 | | | | | 5.9 | 1.6 | |
| 3.25 | | | | | 6.0 | 1.4 | |
| 3.75 | | | | | 6.1 | 1.5 | |
| 4.00 | | | | | 6.2 | 1.5 | |
| 4.25 | | | | | 6.0 | 1.4 | |
| 4.50 | | | | | 6.0 | 1.4 | |
| 4.75 | | | | | 6.1 | 1.5 | |
| 5.00 | | | | | 6.3 | 1.6 | |
| 5.25 | | | | | 6.2 | 0.9 | |
| 5.50 | | | | | 6.2 | 1.0 | |
| 5.75 | | | | | 6.3 | 1.0 | |
| 6.00 | | | | | 6.1 | 0.7 | |
| 6.25 | | | | | 6.1 | 1.7 | |
| 6.50 | | | | | 6.1 | 1.7 | |
| 6.75 | | | | | 6.8 | 1.6 | |
| 7.00 | | | | | 6.7 | 2.6 | |

Notes:

Project: SEA

Site: 2240

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

505087 mE
504981 mE

7067308 mN
7067120 mN

Described By: Barry, Earl

Date: 14-Sep-2000

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: Alluvium
Element: plain
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: Aquic, PODOSOL

GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| O1 | 0.00 to 0.05 | Brown (10YR43) moist; sapric peat; clear to; |
| A2 | 0.05 to 0.30 | Grey (10YR61) moist; heavy sand; single grain structure; dry when sampled; clear to; |
| 2A1 | 0.30 to 0.40 | Dark yellowish brown (10YR44) moist; few 2-10% medium 5-15mm distinct grey mottles; sand; single grain structure; dry when sampled; gradual to; |
| 2A2e | 0.40 to 0.90 | White (10YR82) moist; common 10-20% coarse 15-30mm distinct brown mottles; sand; single grain structure; wet when sampled; |
| 2B2hs | 0.90 to 2.30 | Black (N2.50, 7.5YR2.51), dark brown (7.5YR33) moist; loamy sand; single grain structure; wet when sampled; gradual to; |
| 2C1u | 2.30 to 4.00 | Olive grey (5Y52) moist; sand; single grain structure; wet when sampled; gradual to; |
| 2C2u | 4.00 to 4.40 | Dark greenish grey (10Y31) moist; clayey sand; massive structure; wet when sampled; clear to; |
| 3D1 | 4.40 to 4.80 | Grey (5Y51) moist; few 2-10% medium 5-15mm prominent yellow mottles; medium clay; massive structure; wet when sampled; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 3.4 | 1.6 | |
| 0.35 | | | | | 4.4 | 3.0 | |
| 0.60 | | | | | 5.3 | 2.5 | |
| 0.80 | | | | | 5.0 | 3.5 | |
| 1.00 | | | | | 4.6 | 1.3 | |
| 1.50 | | | | | 4.7 | 3.0 | |
| 2.00 | | | | | 5.0 | 3.6 | |
| 2.25 | | | | | 4.8 | 3.2 | |
| 2.40 | | | | | 5.2 | 1.6 | |
| 2.75 | | | | | 5.0 | 1.9 | |
| 3.00 | | | | | 5.1 | 1.9 | |
| 3.25 | | | | | 5.0 | 1.6 | |
| 3.50 | | | | | 5.2 | 1.6 | |
| 3.75 | | | | | 5.1 | 1.3 | |
| 4.00 | | | | | 5.3 | 0.9 | |
| 4.25 | | | | | 5.1 | 1.0 | |
| 4.50 | | | | | 5.4 | 1.6 | |
| 4.75 | | | | | 5.5 | 2.4 | |

Notes:

Project: SEA

Site: 2241

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

504908 mE
504802 mE

7067401 mN
7067213 mN

Described By: Barry, Earl

Date: 15-Sep-2000

Landscape:

Geology: No record

Landform Pattern: stagnant alluvial plain

Runoff: No record

Microrelief: No record

Drainage: No record

Surface Coarse Fragments: few 2-10%, medium pebbles 6-20mm, Alluvium

Surface Condition: No record

Substrate Lithology: Alluvium

Element: swamp

Permeability: No record

Microrelief Component: No record

Slope: No record

Classifications:

ASC: Humic, Aquic, PODOSOL

GSG: No record

PPF: No record

Vegetation:

Tallest Stratum: Tree, 12.01-20m, mid-dense

Species: Melhania species

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| A1 | 0.00 to 0.10 | Black (5Y2.51) moist; sapric silty clay loam; wet when sampled; clear to; |
| B1 | 0.10 to 0.55 | Black (5Y2.51) moist; silty medium clay; very few <2% subangular chert small pebbles 2-6mm; massive structure; wet when sampled; gradual to; |
| B2 | 0.55 to 0.90 | Grey (5Y51) moist; few 2-10% very coarse >30mm distinct orange mottles; medium clay; massive structure; wet when sampled; clear to; |
| 2C1u | 0.90 to 1.10 | Dark grey (2.5Y41) moist; fine sandy light clay; massive structure; wet when sampled; clear to; |
| 2C2u | 1.10 to 1.30 | Dark grey (5Y41) moist; fine sandy clay loam; massive structure; wet when sampled; clear to; |
| 2C3u | 1.30 to 1.70 | Dark grey (5Y41) moist; loamy fine sand; massive structure; wet when sampled; diffuse to; |
| 3B2h | 1.70 to 1.80 | Black (10YR20) moist; sapric loamy fine sand; massive structure; moist when sampled; diffuse to; |
| 3B2s | 1.80 to 2.75 | Dark reddish brown (5YR2.52) moist; fine sandy light clay; massive structure; wet when sampled; |
| 4D1 | 2.75 to 3.60 | Dark brown (10YR33) moist; fine sandy medium heavy clay; massive structure; wet when sampled; |

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 5.0 | 2.2 | |
| 0.30 | | | | | 4.9 | 1.8 | |
| 0.60 | | | | | 5.1 | 2.5 | |
| 0.80 | | | | | 4.7 | 2.3 | |
| 1.00 | | | | | 5.3 | 1.5 | |
| 1.25 | | | | | 5.6 | 1.2 | |
| 1.50 | | | | | 5.2 | 1.8 | |
| 1.75 | | | | | 5.3 | 1.5 | |
| 2.00 | | | | | 5.2 | 3.1 | |
| 2.25 | | | | | 5.2 | 3.0 | |
| 2.50 | | | | | 5.1 | 2.8 | |
| 3.00 | | | | | 5.0 | 2.5 | |
| 3.25 | | | | | 5.0 | 2.9 | |
| 3.50 | | | | | 4.9 | 3.0 | |

Notes:

Project: SEA

Site: 2242

Soil Name: No record

Location: GDA 94

ZONE 56

510376 mE

7039896 mN

Location: AGD 84

ZONE 56

510270 mE

7039708 mN

Described By: Johnston, Philip Leslie Woodford

Date: 19-Sep-2000

Landscape:

Geology: No record

Landform Pattern: plain

Runoff: No record

Microrelief: No record

Drainage: No record

Surface Coarse Fragments: No record

Surface Condition: No record

Substrate Lithology: No record

Element: backplain

Permeability: No record

Microrelief Component: No record

Slope: No record

Classifications:

ASC: Sulfuric, Redoxic, HYDROSOL

GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| A1 | 0.00 to 0.10 | Black (10YR21) moist; clay loam; moderate 20-50mm subangular blocky structure; moderately moist when sampled; clear to; |
| A2 | 0.10 to 0.40 | Very dark greyish brown (10YR32) moist; many 20-50% coarse 15-30mm distinct yellow mottles; sandy clay loam; weak 2-5mm subangular blocky structure; moderately moist when sampled; abrupt to; |
| 2A1 | 0.40 to 0.50 | Black (10YR20) moist; sapric silty clay loam; weak 20-50mm subangular blocky structure; moderately moist when sampled; abrupt to; |
| 2A2 | 0.50 to 0.75 | Black (5Y2.52) moist; sapric light medium clay; moderate 100-200mm angular blocky structure; moderately moist when sampled; clear to; |
| 2A3 | 0.75 to 0.90 | Very dark greyish brown (10YR32) moist; light medium clay; moderate 50-100mm angular blocky structure; moderately moist when sampled; abrupt to; |
| 3B2 | 0.90 to 1.35 | Greenish grey (10Y51) moist; medium clay; massive structure; wet when sampled; gradual to; |
| 4B21 | 1.35 to 2.50 | Grey (N50) moist; very few <2% fine <5mm faint yellow, common 10-20% medium 5-15mm distinct orange, very few <2% fine <5mm distinct red mottles; medium heavy clay; massive structure; wet when sampled; gradual to; |
| 4B22 | 2.50 to 3.00 | Grey (N50) moist; few 2-10% medium 5-15mm distinct orange mottles; fine sandy light medium clay; massive structure; wet when sampled; gradual to; |
| 4B23 | 3.00 to 4.00 | Bluish grey (10B61) moist; many 20-50% very coarse >30mm distinct orange, very few <2% fine <5mm distinct red mottles; fine sandy light medium clay; massive structure; common 10-20% medium 2-6mm ferruginous-organic root linings; wet when sampled; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.9 | 2.8 | |
| 0.30 | | | | | 4.6 | 3.5 | |
| 0.60 | | | | | 4.0 | 2.1 | |
| 0.80 | | | | | 4.2 | 2.4 | |
| 1.00 | | | | | 4.4 | 1.7 | |
| 1.25 | | | | | 4.2 | 2.0 | |
| 1.50 | | | | | 4.2 | 2.4 | |
| 1.75 | | | | | 5.1 | 2.4 | |
| 2.00 | | | | | 5.7 | 3.1 | |
| 2.25 | | | | | 5.7 | 3.1 | |
| 2.50 | | | | | 5.7 | 3.2 | |
| 2.75 | | | | | 4.6 | 3.2 | |
| 3.00 | | | | | 5.5 | 3.4 | |
| 3.25 | | | | | 5.7 | 3.4 | |
| 3.50 | | | | | 5.6 | 3.5 | |
| 3.75 | | | | | 5.8 | 3.6 | |
| 4.00 | | | | | 5.2 | 3.8 | |

Notes:

Site Horizon A2 - 0.1m - 0.4m appears to have been limed

Project: SEA

Site: 2243

Soil Name: No record

Location: GDA 94 ZONE 56 510800 mE 7040115 mN
Location: AGD 84 ZONE 56 510694 mE 7039927 mN

Described By: Johnston, Philip Leslie Woodford

Date: 19-Sep-2000

Landscape:

Geology: No record **Substrate Lithology:** No record
Landform Pattern: alluvial plain **Element:** backplain
Runoff: No record **Permeability:** No record
Microrelief: No record **Microrelief Component:** No record
Drainage: No record **Slope:** No record
Surface Coarse Fragments: No record
Surface Condition: No record

Classifications:

ASC: Redoxic, HYDROSOL
GSG: No record **PPF:** No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| A11 | 0.00 to 0.20 | Black (2.5Y20) moist; sapric clay loam; moderate 20-50mm polyhedral structure; moderately moist when sampled; clear to; |
| A12 | 0.20 to 0.35 | Very dark grey (10YR31) moist; light clay; moderate 20-50mm subangular blocky structure; moderately moist when sampled; clear to; |
| 2A1 | 0.35 to 0.55 | Black (7.5YR2.51) moist; common 10-20% coarse 15-30mm distinct brown mottles; light clay; moderate 50-100mm subangular blocky structure; moderately moist when sampled; clear to; |
| 2B1 | 0.55 to 1.00 | Olive grey (5Y52) moist; very few <2% fine <5mm distinct orange mottles; clayey sand; moist when sampled; clear to; |
| 3D1 | 1.00 to 1.50 | Bluish grey (10B61) moist; many 20-50% very coarse >30mm prominent orange mottles; sandy medium heavy clay; massive structure; moist when sampled; abrupt to; |
| 3D2 | 1.50 to 2.00 | Bluish grey (10B61) moist; very few <2% fine <5mm prominent orange, common 10-20% very coarse >30mm prominent red mottles; sandy medium heavy clay; massive structure; moist when sampled; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.8 | 3.4 | |
| 0.30 | | | | | 4.5 | 3.5 | |
| 0.60 | | | | | 4.5 | 3.1 | |
| 0.80 | | | | | 4.6 | 3.8 | |
| 1.00 | | | | | 4.6 | 3.8 | |
| 1.25 | | | | | 4.5 | 3.1 | |
| 1.50 | | | | | 4.6 | 3.1 | |
| 1.75 | | | | | 4.6 | 3.3 | |
| 2.00 | | | | | 4.7 | 3.4 | |

Notes:

Site Approx. 0.6m higher than 2242.

Project: SEA

Site: 2244

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

510377 mE
510271 mE

7039662 mN
7039474 mN

Described By: Johnston, Philip Leslie Woodford

Date: 19-Sep-2000

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: No record
Element: backplain
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: Redoxic, HYDROSOL
GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| A1 | 0.00 to 0.10 | Black (7.5YR21) moist; clay loam; weak 10-20mm subangular blocky structure; moist when sampled; clear to; |
| - | 0.10 to 0.25 | Black (10YR21) moist; many 20-50% medium 5-15mm prominent pale mottles; sandy clay loam; weak 2-5mm subangular blocky structure; moist when sampled; abrupt to; |
| A | 0.25 to 0.40 | Black (2.5Y20) moist; sapric sandy clay loam; weak 2-5mm subangular blocky structure; moderately moist when sampled; clear to; |
| A | 0.40 to 0.60 | Black (2.5Y20) moist; sapric silty light medium clay; moderate 5-10mm subangular blocky structure; moderately moist when sampled; clear to; |
| B | 0.60 to 1.00 | Dark greyish brown (10YR42) moist; very few <2% fine <5mm faint orange mottles; light clay; weak 10-20mm subangular blocky structure; moderately moist when sampled; clear to; |
| - | 1.00 to 1.10 | Very dark greyish brown (2.5Y32) moist; fibric silty clay loam; wet when sampled; abrupt to; |
| B | 1.10 to 1.40 | Grey (10YR61) moist; heavy silty light clay; common 10-20% subangular charcoal small pebbles 2-6mm; massive structure; wet when sampled; clear to; |
| D1 | 1.40 to 2.50 | Light grey (5Y71) moist; few 2-10% fine <5mm faint yellow jarositic (from pyrite), few 2-10% medium 5-15mm distinct orange mottles; fine sandy light clay; massive structure; wet when sampled; diffuse to; |
| D2 | 2.50 to 3.50 | Greenish grey (10Y51) moist; few 2-10% medium 5-15mm prominent orange, few 2-10% medium 5-15mm prominent red mottles; fine sandy medium heavy clay; wet when sampled; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.8 | 2.7 | |
| 0.30 | | | | | 3.9 | 1.9 | |
| 0.60 | | | | | 3.9 | 1.4 | |
| 0.80 | | | | | 4.0 | 2.2 | |
| 1.00 | | | | | 3.7 | 2.1 | |
| 1.25 | | | | | 3.8 | 2.2 | |
| 1.50 | | | | | 4.5 | 2.8 | |
| 1.75 | | | | | 5.4 | 3.4 | |
| 2.00 | | | | | 4.6 | 3.0 | |
| 2.25 | | | | | 5.3 | 2.9 | |
| 2.50 | | | | | 5.2 | 3.0 | |
| 2.75 | | | | | 5.7 | 3.2 | |
| 3.00 | | | | | 5.7 | 3.4 | |
| 3.25 | | | | | 5.2 | 3.6 | |
| 3.50 | | | | | 6.0 | 3.8 | |

Notes:

Project: SEA **Site:** 2245

Soil Name: No record

Location: GDA 94 **ZONE** 56 506996 mE 7057755 mN
Location: AGD 84 **ZONE** 56 506890 mE 7057568 mN

Described By: Johnston, Philip Leslie Woodford

Date: 20-Sep-2000

Landscape:

Geology: No record

Landform Pattern: alluvial plain

Runoff: No record

Microrelief: No record

Drainage: No record

Surface Coarse Fragments: No record

Surface Condition: hard setting

Substrate Lithology: No record

Element: plain

Permeability: No record

Microrelief Component: No record

Slope: No record

Classifications:

ASC: Humic/alsilic, Aquic, PODOSOL

GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| A11 | 0.00 to 0.15 | Black (10YR21) moist; sandy clay loam; weak 5-10mm angular blocky structure; moist when sampled; clear to; |
| A12 | 0.15 to 0.70 | Black (10YR21) moist; sapric sandy loam; weak 10-20mm angular blocky, weak 2-5mm angular blocky structure; moderately moist when sampled; diffuse to; |
| A13 | 0.70 to 0.90 | Black (10YR21) moist; sandy clay loam; weak 2-5mm subangular blocky structure; moderately moist when sampled; diffuse to; |
| A21 | 0.90 to 1.00 | Greyish brown (2.5Y52) moist; few 2-10% medium 5-15mm faint brown mottles; clayey sand; massive structure; moderately moist when sampled; gradual to; |
| A22e | 1.00 to 1.40 | Grey (5Y61) moist; very few <2% fine <5mm faint orange mottles; clayey sand; massive structure; wet when sampled; abrupt to; |
| B21h | 1.40 to 2.50 | Black (2.5Y20) moist; sapric loamy sand; massive structure; moderately cemented continuous massive organic pan; wet when sampled; |
| B22s | 2.50 to 8.10 | Very dark brown (7.5YR2.52) moist; sand; single grain structure; weakly cemented continuous massive ortstein; wet when sampled; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.6 | 2.8 | |
| 0.30 | | | | | 4.4 | 2.8 | |
| 0.60 | | | | | 4.6 | 3.8 | |
| 0.80 | | | | | 4.5 | 3.8 | |
| 1.00 | | | | | 4.3 | 3.4 | |
| 1.25 | | | | | 4.3 | 3.3 | |
| 1.50 | | | | | 4.4 | 1.7 | |
| 2.00 | | | | | 5.1 | 2.4 | |

Notes:

Site Hand Auger to 1.5m, solid auger to 8.1m

Project: SEA **Site:** 2246

Soil Name: No record

Location: GDA 94 **ZONE** 56 **506480 mE** **7057909 mN**
Location: AGD 84 **ZONE** 56 **506374 mE** **7057721 mN**

Described By: Johnston, Philip Leslie Woodford

Date: 20-Sep-2000

Landscape:

Geology: No record

Landform Pattern: alluvial plain

Runoff: No record

Microrelief: No record

Drainage: No record

Surface Coarse Fragments: No record

Surface Condition: hard setting

Substrate Lithology: No record

Element: plain

Permeability: No record

Microrelief Component: No record

Slope: No record

Classifications:

ASC: Humic, Aquic, PODOSOL

GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| A11p | 0.00 to 0.15 | Black (10YR20) moist; clay loam, fine sandy; strong <2mm subangular blocky, moderate 2-5mm subangular blocky structure; moist when sampled; gradual to; |
| A12p | 0.15 to 0.28 | Black (10YR21) moist; sapric fine sandy clay loam; moderate 2-5mm subangular blocky structure; moist when sampled; clear to; |
| 2B2 | 0.28 to 0.45 | Very dark grey (10YR30) moist; very few <2% medium 5-15mm distinct orange mottles; sandy light clay; moderate 5-10mm subangular blocky structure; moderately moist when sampled; gradual to; |
| 2B3 | 0.45 to 0.70 | Dark grey (10YR41) moist; few 2-10% medium 5-15mm faint orange mottles; clay loam, sandy; weak 2-5mm subangular blocky structure; moderately moist when sampled; gradual to; |
| 2C1 | 0.70 to 0.88 | Grey (2.5Y51) moist; sand; single grain structure; wet when sampled; gradual to; |
| 3B21h | 0.88 to 1.70 | Black (10YR20) moist; sapric loamy sand; massive structure; uncemented continuous massive organic pan; wet when sampled; clear to; |
| 3B22h | 1.70 to 2.00 | Black (10YR21) moist; sapric sandy loam; massive structure; strongly cemented continuous massive organic pan; wet when sampled; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.7 | 3.1 | |
| 0.30 | | | | | 4.7 | 3.2 | |
| 0.60 | | | | | 5.0 | 3.4 | |
| 0.80 | | | | | 4.8 | 3.8 | |
| 1.00 | | | | | 4.5 | 1.9 | |
| 1.25 | | | | | 4.5 | 2.1 | |
| 1.50 | | | | | 4.7 | 1.1 | |
| 1.75 | | | | | 4.7 | 1.4 | |
| 2.00 | | | | | 5.4 | 1.1 | |

Notes:

Project: SEA **Site:** 2247

Soil Name: No record

Location: GDA 94 **ZONE** 56 **506250 mE** **7057972 mN**
Location: AGD 84 **ZONE** 56 **506144 mE** **7057784 mN**

Described By: Johnston, Philip Leslie Woodford

Date: 20-Sep-2000

Landscape:

Geology: No record

Landform Pattern: alluvial plain

Runoff: No record

Microrelief: No record

Drainage: No record

Surface Coarse Fragments: No record

Surface Condition: hard setting

Substrate Lithology: No record

Element: No record

Permeability: No record

Microrelief Component: No record

Slope: No record

Classifications:

ASC: Humic, Aquic, PODOSOL

GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| A11p | 0.00 to 0.10 | Black (7.5YR21) moist; sapric clay loam, fine sandy; moderate 10-20mm subangular blocky structure; moist when sampled; clear to; |
| A12p | 0.10 to 0.25 | Very dark grey (10YR31) moist; sapric fine sandy clay loam; weak 5-10mm subangular blocky structure; moist when sampled; clear to; |
| A13 | 0.25 to 0.40 | Very dark brown (10YR22) moist; few 2-10% medium 5-15mm faint orange mottles; clay loam, sandy; weak 2-5mm structure; moderately moist when sampled; clear to; |
| 2A? | 0.40 to 0.50 | Grey (5Y51) moist; common 10-20% coarse 15-30mm distinct orange mottles; heavy clay loam, sandy; weak <2mm structure; moderately moist when sampled; clear to; |
| 2A2e | 0.50 to 0.70 | Light grey (5Y71) moist; common 10-20% coarse 15-30mm distinct orange mottles; sandy loam; massive structure; very few <2% coarse 6-20mm ferruginous root linings; moderately moist when sampled; gradual to; |
| 2B? | 0.70 to 1.20 | Grey (5Y61) moist; very few <2% medium 5-15mm faint orange mottles; clayey fine sand; massive structure; moist when sampled; clear to; |
| 2C1 | 1.20 to 1.70 | Olive grey (5Y42) moist; sand; single grain structure; wet when sampled; diffuse to; |
| 3B2h | 1.70 to 1.80 | Black (N2.50) moist; sapric loamy sand; massive structure; moderately cemented continuous massive organic pan; wet when sampled; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.7 | 3.2 | |
| 0.30 | | | | | 5.0 | 3.1 | |
| 0.40 | | | | | 5.0 | 3.7 | |
| 0.60 | | | | | 4.9 | 3.7 | |
| 0.80 | | | | | 4.9 | 3.8 | |
| 1.00 | | | | | 4.6 | 3.4 | |
| 1.25 | | | | | 4.6 | 2.8 | |
| 1.50 | | | | | 4.9 | 2.4 | |
| 1.75 | | | | | 4.9 | 2.4 | |
| 1.80 | | | | | 5.2 | 1.4 | |

Notes:

Project: SEA **Site:** 2248

Soil Name: No record

Location: GDA 94 **ZONE** 56 **506789 mE** **7058198 mN**
Location: AGD 84 **ZONE** 56 **506683 mE** **7058010 mN**

Described By: Johnston, Philip Leslie Woodford **Date:** 20-Sep-2000

Landscape:

Geology: No record **Substrate Lithology:** No record
Landform Pattern: alluvial plain **Element:** plain
Runoff: No record **Permeability:** No record
Microrelief: No record **Microrelief Component:** No record
Drainage: No record **Slope:** No record
Surface Coarse Fragments: No record
Surface Condition: firm

Classifications:

ASC: Sulfuric, Redoxic, HYDROSOL
GSG: No record **PPF:** No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| A1p | 0.00 to 0.45 | Black (10YR21) moist; clay loam; weak <2mm subangular blocky structure; moist when sampled; diffuse to; |
| B1 | 0.45 to 0.55 | Very dark grey (10YR31) moist; few 2-10% fine <5mm prominent orange mottles; fine sandy medium clay; weak 5-10mm subangular blocky structure; moist when sampled; |
| B2 | 0.55 to 1.00 | Grey (2.5Y61) moist; few 2-10% medium 5-15mm prominent orange, few 2-10% medium 5-15mm distinct brown mottles; sandy light medium clay; massive structure; very few <2% coarse 6-20mm ferruginous root linings; moderately moist when sampled; gradual to; |
| B3 | 1.00 to 1.20 | Greenish grey (10Y51) moist; very few <2% fine <5mm faint dark, very few <2% fine <5mm faint yellow jarositic (from pyrite) mottles; sandy clay loam; massive structure; very few <2% fine <2mm ferruginous root linings; wet when sampled; clear to; |
| C1 | 1.20 to 1.40 | Olive grey (5Y42) moist; sandy clay loam; massive structure; wet when sampled; clear to; |
| C2 | 1.40 to 1.50 | Dark greenish grey (10Y41) moist; clay loam, sandy; massive structure; wet when sampled; clear to; |
| C3g | 1.50 to 2.30 | Dark greenish grey (10Y31) moist; silty medium clay; massive structure; wet when sampled; gradual to; |
| 2B1 | 2.30 to 3.40 | Dark olive grey (5Y32) moist; clayey sand; massive structure; wet when sampled; clear to; |
| 2B2h | 3.40 to 3.80 | Black (N2.50) moist; loamy sand; massive structure; moderately cemented continuous massive organic pan; wet when sampled; |

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.2 | 3.0 | |
| 0.60 | | | | | 4.3 | 3.3 | |
| 0.80 | | | | | 4.3 | 2.7 | |
| 1.00 | | | | | 4.4 | 2.3 | |
| 1.25 | | | | | 4.6 | 2.5 | |
| 1.50 | | | | | 5.2 | 1.5 | |
| 1.75 | | | | | 5.7 | 2.4 | |
| 2.00 | | | | | 6.1 | 2.5 | |
| 2.25 | | | | | 6.1 | 2.8 | |
| 2.50 | | | | | 6.0 | 1.0 | |
| 2.75 | | | | | 5.9 | 1.4 | |
| 3.00 | | | | | 5.9 | 1.3 | |
| 3.25 | | | | | 5.9 | 5.3 | |
| 3.50 | | | | | 5.8 | 4.5 | |
| 3.75 | | | | | 5.8 | 4.3 | |

Notes:

Project: SEA

Site: 2249

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

507284 mE
507178 mE

7060194 mN
7060006 mN

Described By: Manders, JA

Date: 04-Oct-2000

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: Alluvium
Element: No record
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: PODOSOL

GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| A1 | 0.00 to 0.10 | Black (10YR21) moist; sandy loam; weak 2-5mm angular blocky structure; moderately moist when sampled; |
| A2 | 0.10 to 0.25 | Very dark greyish brown (10YR32) moist; few 2-10% medium 5-15mm distinct orange mottles; clayey sand; moderate 5-10mm angular blocky structure; moderately moist when sampled; |
| B21 | 0.25 to 0.55 | Greyish brown (10YR52) moist; few 2-10% coarse 15-30mm prominent orange mottles; clayey sand; massive structure; moist when sampled; |
| B22 | 0.55 to 0.70 | Very dark grey (10YR31) moist; loamy sand; single grain structure; wet when sampled; |
| B23h | 0.70 to 3.00 | Black (10YR20) moist; loamy sand; single grain structure; weakly cemented continuous massive organic pan; wet when sampled; |
| B24hs | 3.00 to 4.20 | Very dark brown (10YR22) moist; loamy sand; single grain structure; weakly cemented continuous massive organic pan; wet when sampled; |
| 2C1 | 4.20 to 5.00 | Very dark grey (2.5Y31) moist; clayey sand; single grain structure; wet when sampled; |
| 3B21h | 5.00 to 6.00 | Black (10YR20) moist; sandy clay loam; massive structure; moderately cemented continuous massive organic pan; wet when sampled; |
| 3B22 | 6.00 to 8.40 | Very dark greyish brown (10YR32) moist; loamy sand; single grain structure; wet when sampled; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.6 | 3.7 | |
| 0.30 | | | | | 5.3 | 4.2 | |
| 0.60 | | | | | 5.9 | 3.3 | |
| 0.80 | | | | | 5.8 | 2.0 | |
| 1.00 | | | | | 5.7 | 2.3 | |
| 2.00 | | | | | 5.8 | 3.5 | |
| 4.00 | | | | | 5.7 | 3.2 | |
| 4.50 | | | | | 4.5 | 1.6 | |
| 5.50 | | | | | 4.3 | 2.0 | |
| 7.00 | | | | | 4.4 | 2.9 | |
| 8.00 | | | | | 4.8 | 2.8 | |

Notes:

Location Site south of Creek, east of highway

Project: SEA

Site: 2250

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

507741 mE
507635 mE

7059568 mN
7059380 mN

Described By: Manders, JA

Date: 04-Oct-2000

Landscape:

Geology: No record
Landform Pattern: plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: Alluvium
Element: No record
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: TENOSOL

GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| A11p | 0.00 to 0.10 | Black (10YR21) moist; sandy loam; weak 2-5mm angular blocky structure; moderately moist when sampled; |
| A12p | 0.10 to 0.20 | Black (10YR21) moist; clayey sand; weak 5-10mm angular blocky structure; moderately moist when sampled; |
| B2 | 0.20 to 0.50 | Brown (10YR53) moist; very few <2% coarse 15-30mm prominent orange mottles; clayey sand; single grain structure; moist when sampled; |
| 2A2e | 0.50 to 0.75 | White (10YR81) moist; sand; single grain structure; wet when sampled; clear to; |
| 2A22 | 0.75 to 0.85 | Light brownish grey (10YR62) moist; few 2-10% coarse 15-30mm faint orange mottles; sand; single grain structure; wet when sampled; gradual to; |
| 2A23j | 0.85 to 1.30 | Greyish brown (10YR52) moist; sand; single grain structure; wet when sampled; gradual to; |
| 2B2h | 1.30 to 5.20 | Very dark brown (10YR22) moist; loamy sand; single grain structure; moderately cemented continuous massive organic pan; wet when sampled; |
| 2B3 | 5.20 to 6.00 | Dark greyish brown (2.5Y42) moist; sand; single grain structure; wet when sampled; |
| 2C1 | 6.00 to 6.50 | Dark greyish brown (2.5Y42) moist; clayey sand; single grain structure; wet when sampled; |
| 3B21h | 6.50 to 6.70 | Black (10YR20) moist; loamy sand; single grain structure; moderately cemented continuous massive organic pan; wet when sampled; |
| 3B22hs | 6.70 to 7.00 | Very dark brown (10YR22) moist; loamy sand; single grain structure; wet when sampled; |
| 3B23hs | 7.00 to 9.69 | Very dark greyish brown (10YR32) moist; sand; single grain structure; wet when sampled; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.2 | 1.7 | |
| 0.30 | | | | | 4.4 | 2.9 | |
| 0.60 | | | | | 4.5 | 4.2 | |
| 0.80 | | | | | 4.7 | 3.6 | |
| 1.00 | | | | | 5.1 | 2.3 | |
| 1.25 | | | | | 5.0 | 2.1 | |
| 2.00 | | | | | 5.1 | 3.8 | |
| 3.00 | | | | | 5.3 | 3.4 | |
| 4.00 | | | | | 5.1 | 2.4 | |
| 5.50 | | | | | 5.0 | 2.9 | |
| 6.30 | | | | | 5.1 | 0.7 | |
| 7.00 | | | | | 5.0 | 2.5 | |
| 7.50 | | | | | 5.0 | 3.9 | |
| 8.00 | | | | | 5.1 | 2.1 | |
| 9.00 | | | | | 5.2 | 2.7 | |

Notes:

Project: SEA

Site: 2251

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

507263 mE
507157 mE

7057294 mN
7057106 mN

Described By: Barry, Earl

Date: 05-Oct-2000

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: No record
Element: No record
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: PODOSOL

GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|---------------|---|
| 2Bh | 1.50 to 3.50 | Black (10YR20) moist; loamy sand; massive structure; moderately cemented continuous massive organic pan; |
| 2Bhs | 3.50 to 9.60 | Dark brown (10YR33) moist; loamy sand; massive structure; weakly cemented continuous massive organic pan; |
| 2C1 | 9.60 to 10.20 | Very dark grey (2.5Y31) moist; clayey sand; single grain structure; |
| 3C1 | 10.2 to 10.9 | Greenish black (10Y2.51) moist; silty medium clay; massive structure; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 3.50 | | | | | 5.4 | 1.5 | |
| 5.00 | | | | | 5.8 | 1.6 | |
| 10.00 | | | | | 6.0 | 1.6 | |
| 10.25 | | | | | 6.3 | 1.3 | |
| 10.50 | | | | | 6.5 | 1.8 | |
| 10.75 | | | | | 6.4 | 1.5 | |
| 10.90 | | | | | 7.0 | 1.3 | |

Notes:

Project: SEA

Site: 2252

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56 510827 mE
ZONE 56 510721 mE

7041669 mN
7041481 mN

Described By: Barry, Earl

Date: 11-Oct-2000

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: No record
Element: swamp
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: Sulfidic, Redoxic, HYDROSOL

GSG: No record

PPF: No record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| S1 | 0.00 to 0.30 | Very dark grey (10YR31) moist; sapric sandy light clay; moderate 10-20mm subangular blocky structure; moderately moist when sampled; clear to; |
| A12 | 0.30 to 0.78 | Black (10YR21) moist; sapric light medium clay; moderate 5-10mm subangular blocky structure; moist when sampled; abrupt to; |
| B21 | 0.78 to 0.95 | Grey (10YR51) moist; common 10-20% medium 5-15mm prominent orange mottles; medium clay; massive structure; moist when sampled; abrupt to; |
| 2C1 | 0.95 to 1.20 | Dark grey (2.5Y41) moist; clayey sand; wet when sampled; clear to; |
| 2C2 | 1.20 to 2.30 | White (10YR81) moist; coarse sand; single grain structure; wet when sampled; clear to; |
| 3C3u | 2.30 to 2.75 | Dark grey (5Y41) moist; clayey coarse sand; common 10-20% other medium pebbles 6-20mm, very few <2% subangular quartz small pebbles 2-6mm; single grain structure; wet when sampled; abrupt to; |
| 4C4u | 2.75 to 3.70 | Very dark grey (5Y31) moist; silty medium clay; massive structure; wet when sampled; gradual to; |
| 4C5u | 3.70 to 6.00 | Dark greenish grey (10Y31) moist; silty medium clay; massive structure; wet when sampled; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.9 | 3.3 | |
| 0.30 | | | | | 5.2 | 3.0 | |
| 0.60 | | | | | 5.0 | 3.5 | |
| 0.80 | | | | | 4.4 | 2.9 | |
| 1.00 | | | | | 4.5 | 2.6 | |
| 1.25 | | | | | 4.6 | 3.6 | |
| 1.50 | | | | | 4.6 | 3.7 | |
| 1.75 | | | | | 4.9 | 3.7 | |
| 2.00 | | | | | 4.7 | 3.1 | |
| 2.25 | | | | | 5.0 | 2.9 | |
| 2.50 | | | | | 4.9 | 1.5 | |
| 2.75 | | | | | 5.5 | 1.1 | |
| 3.00 | | | | | 5.8 | 1.2 | |
| 3.25 | | | | | 6.4 | 1.0 | |
| 3.50 | | | | | 6.4 | 1.1 | |
| 3.75 | | | | | 6.5 | 1.0 | |
| 4.00 | | | | | 6.6 | 1.1 | |
| 4.25 | | | | | 6.6 | 1.0 | |
| 4.50 | | | | | 6.7 | 0.9 | |
| 4.75 | | | | | 6.7 | 1.1 | |
| 5.50 | | | | | 7.1 | 0.8 | |
| 6.00 | | | | | 7.7 | 1.0 | |

Notes:

Project: SEA

Site: 2253

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56 510820 mE
ZONE 56 510714 mE

7041428 mN
7041240 mN

Described By: Barry, Earl

Date: 12-Oct-2000

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: Alluvium
Element: swamp
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: Sulfidic, Redoxic, HYDROSOL

GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| S1 | 0.00 to 0.70 | Very dark grey (10YR31) moist; sandy light clay; massive structure; clear to; |
| A11 | 0.70 to 1.10 | Black (10YR21) moist; sapric silty medium clay; massive structure; abrupt to; |
| B21 | 1.10 to 1.45 | Dark grey (2.5Y41) moist; few 2-10% medium 5-15mm prominent orange mottles; medium clay; massive structure; abrupt to; |
| 2C1 | 1.45 to 1.90 | Greyish brown (2.5Y52) moist; clayey sand; single grain structure; clear to; |
| 3C2 | 1.90 to 2.30 | Light brownish grey (2.5Y62) moist; coarse sand; single grain structure; abrupt to; |
| 4C3 | 2.30 to 2.70 | Black (10YR21) moist; common 10-20% medium 5-15mm distinct grey mottles; sapric sandy clay loam; clear to; |
| 5C4 | 2.70 to 2.90 | Very dark grey (2.5Y31) moist; sapric sandy loam; massive structure; strongly cemented continuous massive silcrete; abrupt to; |
| 6C5 | 2.90 to 3.10 | Black (10YR21) moist; sapric clay loam; strong 5-10mm angular blocky structure; abrupt to; |
| 7C6 | 3.10 to 3.60 | Olive brown (2.5Y44) moist; sandy light clay; strong 5-10mm angular blocky structure; strongly cemented platy other pan; clear to; |
| 8C7 | 3.60 to 4.40 | Very dark grey (10YR31) moist; sapric sandy clay loam; massive structure; gradual to; |
| 9D1 | 4.40 to 5.00 | Greenish grey (10Y61) moist; common 10-20% coarse 15-30mm prominent orange mottles; sandy medium clay; massive structure; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.5 | 2.6 | |
| 0.30 | | | | | 4.9 | 2.4 | |
| 0.60 | | | | | 5.2 | 2.0 | |
| 0.80 | | | | | 5.7 | 1.7 | |
| 1.00 | | | | | 5.4 | 1.8 | |
| 1.25 | | | | | 4.2 | 2.8 | |
| 1.50 | | | | | 4.5 | 1.6 | |
| 1.75 | | | | | 4.7 | 1.8 | |
| 2.00 | | | | | 4.7 | 1.4 | |
| 2.25 | | | | | 4.6 | 1.7 | |
| 2.50 | | | | | 3.9 | 1.2 | |
| 2.75 | | | | | 4.5 | 0.8 | |
| 3.00 | | | | | 5.4 | 2.3 | |
| 3.25 | | | | | 5.7 | 3.6 | |
| 3.50 | | | | | 5.6 | 3.3 | |
| 3.75 | | | | | 5.6 | 3.2 | |
| 4.00 | | | | | 5.7 | 3.2 | |
| 4.25 | | | | | 5.8 | 3.3 | |
| 4.50 | | | | | 5.9 | 2.0 | |
| 4.75 | | | | | 6.0 | 3.2 | |

Notes:

Site

Site 250m south of 2252

Project: SEA

Site: 2254

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56 510463 mE
ZONE 56 510357 mE

7041375 mN
7041187 mN

Described By: Barry, Earl

Date: 12-Oct-2000

Landscape:

Geology: No record

Landform Pattern: alluvial plain

Runoff: No record

Microrelief: No record

Substrate Lithology: Alluvium

Element: swamp

Permeability: No record

Microrelief Component: No record

Classifications:

ASC: Sulfidic, Redoxic, HYDROSOL

GSG: No record

PPF: No record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| A11 | 0.00 to 0.30 | Very dark grey (10YR31) moist; sandy light medium clay; moderate 10-20mm subangular blocky structure; moderately moist when sampled; clear to; |
| A12 | 0.30 to 0.55 | Dark grey (10YR41) moist; common 10-20% medium 5-15mm prominent orange, few 2-10% medium 5-15mm prominent orange mottles; sandy light clay; single grain structure; moderately moist when sampled; clear to; |
| A2e | 0.55 to 0.90 | Greyish brown (2.5Y52) moist; fine sand; single grain structure; moderately moist when sampled; abrupt to; |
| 2B21 | 0.90 to 1.00 | Greyish brown (2.5Y52) moist; common 10-20% coarse 15-30mm prominent orange mottles; sandy clay loam; massive structure; moist when sampled; abrupt to; |
| 2B22 | 1.00 to 2.30 | Grey (2.5Y61) moist; few 2-10% coarse 15-30mm distinct brown mottles; sand; single grain structure; wet when sampled; clear to; |
| 3C1u | 2.30 to 3.00 | Dark grey (N40) moist; clayey coarse sand; single grain structure; wet when sampled; clear to; |
| 4C2u | 3.00 to 4.10 | Dark greenish grey (10Y31) moist; silty light medium clay; very few <2% other medium pebbles 6-20mm; massive structure; wet when sampled; gradual to; |
| 4C3u | 4.10 to 4.70 | Greenish black (10Y2.51) moist; silty medium clay; very few <2% other medium pebbles 6-20mm, few 2-10% charcoal small pebbles 2-6mm; massive structure; wet when sampled; |
| 4C4u | 4.70 to 6.00 | Greenish black (10Y2.51) moist; silty medium clay; very few <2% subangular sand medium pebbles 6-20mm; massive structure; wet when sampled; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.6 | 2.3 | |
| 0.30 | | | | | 4.5 | 1.9 | |
| 0.60 | | | | | 4.4 | 2.2 | |
| 0.80 | | | | | 4.1 | 2.4 | |
| 1.00 | | | | | 3.9 | 2.0 | |
| 1.25 | | | | | 4.3 | 2.5 | |
| 1.50 | | | | | 4.3 | 2.7 | |
| 1.75 | | | | | 4.3 | 2.6 | |
| 2.00 | | | | | 4.1 | 2.5 | |
| 2.25 | | | | | 4.4 | 2.1 | |
| 2.50 | | | | | 5.4 | 1.3 | |
| 2.75 | | | | | 5.6 | 1.7 | |
| 3.00 | | | | | 5.9 | 1.2 | |
| 3.25 | | | | | 5.9 | 1.2 | |
| 3.50 | | | | | 6.3 | 1.2 | |
| 3.75 | | | | | 6.4 | 1.3 | |
| 4.00 | | | | | 6.5 | 1.2 | |
| 4.25 | | | | | 6.7 | 1.3 | |
| 4.50 | | | | | 6.8 | 1.4 | |
| 4.75 | | | | | 7.1 | 1.5 | |
| 5.00 | | | | | 7.1 | 1.5 | |
| 5.50 | | | | | 7.3 | 1.6 | |
| 6.00 | | | | | 7.3 | 1.7 | |

Notes:

Site

In swamp forest down track from 2252

Project: SEA

Site: 2255

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

509987 mE
509881 mE

7041247 mN
7041059 mN

Described By: Barry, Earl

Date: 12-Oct-2000

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: Alluvium
Element: swamp
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: Sulfidic, Redoxic, HYDROSOL

GSG: No record

PPF: No record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| A11 | 0.00 to 0.35 | Black (10YR21) moist; medium heavy clay; strong 10-20mm angular blocky structure; moderately moist when sampled; clear to; |
| B21 | 0.35 to 0.75 | Very dark grey (10YR31) moist; few 2-10% coarse 15-30mm prominent orange, few 2-10% medium 5-15mm distinct brown mottles; medium heavy clay; moderate 10-20mm angular blocky structure; clear to; |
| B22 | 0.75 to 0.90 | Grey (2.5Y51) moist; few 2-10% fine <5mm distinct brown mottles; sandy medium clay; massive structure; clear to; |
| 2A2e | 0.90 to 1.70 | Greyish brown (2.5Y52) moist; few 2-10% coarse 15-30mm prominent orange mottles; heavy sand; single grain structure; gradual to; |
| 3C1u | 1.70 to 2.20 | Grey (5Y51) moist; coarse sand; single grain structure; clear to; |
| 4C2u | 2.20 to 3.70 | Very dark grey (5Y31) moist; clayey sand; single grain structure; gradual to; |
| 5C3u | 3.70 to 4.60 | Dark greenish grey (10Y31) moist; silty medium clay; massive structure; gradual to; |
| 6D1 | 4.60 to 6.00 | Greenish grey (5GY51) moist; few 2-10% very coarse >30mm prominent gley, few 2-10% very coarse >30mm prominent brown mottles; sandy medium clay; massive structure; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.6 | 2.1 | |
| 0.30 | | | | | 4.6 | 2.3 | |
| 0.60 | | | | | 4.2 | 2.4 | |
| 0.80 | | | | | 4.2 | 2.4 | |
| 1.00 | | | | | 4.2 | 2.5 | |
| 1.25 | | | | | 5.1 | 2.1 | |
| 1.50 | | | | | 5.5 | 2.4 | |
| 1.75 | | | | | 5.1 | 1.8 | |
| 2.00 | | | | | 5.5 | 1.4 | |
| 2.25 | | | | | 4.6 | 0.9 | |
| 2.50 | | | | | 4.6 | 1.4 | |
| 2.75 | | | | | 5.0 | 1.6 | |
| 3.00 | | | | | 5.3 | 1.7 | |
| 3.25 | | | | | 5.5 | 1.7 | |
| 3.50 | | | | | 5.7 | 1.6 | |
| 3.75 | | | | | 5.5 | 1.2 | |
| 4.00 | | | | | 5.6 | 1.4 | |
| 4.25 | | | | | 6.3 | 1.1 | |
| 4.50 | | | | | 6.2 | 1.2 | |
| 4.75 | | | | | 5.8 | 2.1 | |
| 5.00 | | | | | 6.2 | 2.7 | |
| 5.50 | | | | | 7.1 | 4.3 | |
| 6.00 | | | | | 6.8 | 3.8 | |

Notes:

Site Tea-tree swamp in drainage line

Project: SEA

Site: 2256

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56 510749 mE
ZONE 56 510643 mE

7042661 mN
7042473 mN

Described By: Barry, Earl

Date: 13-Oct-2000

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: No record
Element: prior stream
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: KANDOSOL

GSG: No record

PPF: No record

Vegetation:

Tallest Stratum: 6.01-12m, mid-dense

Species: Melhania species

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| A11 | 0.00 to 0.35 | Very dark grey (10YR31) moist; sapric clay loam, sandy; moderate 10-20mm subangular blocky structure; dry when sampled; clear to; |
| A12 | 0.35 to 0.70 | Very dark greyish brown (10YR32) moist; sandy loam; massive structure; dry when sampled; clear to; |
| A2e | 0.70 to 1.20 | Light grey (10YR72) moist; common 10-20% coarse 15-30mm prominent orange mottles; sand; single grain structure; moist when sampled; clear to; |
| 2C1u | 1.20 to 1.70 | Dark grey (5Y41) moist; heavy clayey sand; single grain structure; wet when sampled; clear to; |
| 3B2h | 1.70 to 2.20 | Black (10YR21) moist; sandy loam; massive structure; strongly cemented continuous massive ortstein; wet when sampled; abrupt to; |
| 4D1 | 2.20 to 3.00 | Greenish grey (5GY51) moist; few 2-10% coarse 15-30mm prominent dark, few 2-10% coarse 15-30mm prominent orange mottles; medium heavy clay; massive structure; moist when sampled; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 5.0 | 2.1 | |
| 0.30 | | | | | 5.0 | 2.2 | |
| 0.60 | | | | | 5.6 | 3.3 | |
| 0.80 | | | | | 5.8 | 4.1 | |
| 1.00 | | | | | 5.0 | 3.2 | |
| 1.25 | | | | | 4.8 | 1.6 | |
| 1.50 | | | | | 5.9 | 1.4 | |
| 1.75 | | | | | 6.6 | 1.3 | |
| 2.00 | | | | | 6.7 | 2.8 | |
| 2.25 | | | | | 6.9 | 3.9 | |
| 2.50 | | | | | 6.9 | 4.8 | |
| 2.75 | | | | | 6.4 | 4.8 | |
| 3.00 | | | | | 6.8 | 4.8 | |

Notes:

Project: SEA

Site: 2257

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

510618 mE
510512 mE

7043161 mN
7042973 mN

Described By: Barry, Earl

Date: 13-Oct-2000

Landscape:

Geology: No record

Landform Pattern: alluvial plain

Runoff: No record

Microrelief: No record

Drainage: No record

Surface Coarse Fragments: not known, historical data, Alluvium

Surface Condition: No record

Substrate Lithology: No record

Element: plain

Permeability: No record

Microrelief Component: No record

Slope: No record

Classifications:

ASC: KANDOSOL

GSG: No record

PPF: No record

Vegetation:

Tallest Stratum: Tree, 6.01-12m

Species: Melaleuca species

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| A11 | 0.00 to 0.25 | Black (10YR21) moist; clay loam, sandy; moderate 10-20mm subangular blocky structure; moist when sampled; gradual to; |
| A12 | 0.25 to 0.55 | Very dark grey (10YR31) moist; sandy loam; massive structure; moderately moist when sampled; clear to; |
| A2e | 0.55 to 1.40 | Light brownish grey (2.5Y63) moist; few 2-10% coarse 15-30mm prominent orange mottles; sand; very few <2% subangular quartz small pebbles 2-6mm; single grain structure; moist when sampled; gradual to; |
| 2C1u | 1.40 to 1.80 | Dark grey (5Y41) moist; clayey sand; very few <2% charcoal medium pebbles 6-20mm, very few <2% quartz small pebbles 2-6mm; single grain structure; moist when sampled; abrupt to; |
| 3D1 | 1.80 to 2.40 | Greenish grey (5GY61) moist; medium heavy clay; massive structure; moist when sampled; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.8 | 2.9 | |
| 0.30 | | | | | 5.1 | 3.5 | |
| 0.60 | | | | | 5.7 | 4.7 | |
| 0.80 | | | | | 4.6 | 4.0 | |
| 1.00 | | | | | 4.5 | 3.2 | |
| 1.25 | | | | | 4.4 | 3.2 | |
| 1.50 | | | | | 4.5 | 1.5 | |
| 1.75 | | | | | 4.4 | 0.9 | |
| 2.00 | | | | | 4.2 | 2.9 | |
| 2.25 | | | | | 5.0 | 3.0 | |

Notes:

Project: SEA

Site: 2258

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

510654 mE
510548 mE

7042776 mN
7042588 mN

Described By: Barry, Earl

Date: 13-Oct-2000

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: Alluvium
Element: No record
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: Sulfidic, Oxyaquic, HYDROSOL
GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| S1 | 0.00 to 0.20 | |
| A11 | 0.20 to 0.60 | Black (10YR21) moist; sapric clay loam; massive structure; |
| A12 | 0.60 to 0.90 | Very dark brown (10YR22) moist; fibric fibric peat; massive structure; |
| 2C1u | 0.90 to 1.60 | Dark greenish grey (10Y31) moist; silty light clay; very few <2% subangular quartz small pebbles 2-6mm; massive structure; |
| 3D1 | 1.60 to 2.40 | Greenish grey (5GY51) moist; common 10-20% medium 5-15mm prominent orange mottles; sandy medium clay; massive structure; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.30 | | | | | 5.5 | 4.3 | |
| 0.60 | | | | | 6.6 | 3.9 | |
| 0.80 | | | | | 6.3 | 4.4 | |
| 1.00 | | | | | 6.4 | 3.8 | |
| 1.25 | | | | | 6.0 | 1.3 | |
| 1.50 | | | | | 5.3 | 1.3 | |
| 1.75 | | | | | 5.6 | 3.0 | |
| 2.00 | | | | | 5.9 | 3.9 | |

Notes:

Site Check site looking for channel - drainage line

Project: SEA

Site: 2259

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56 509822 mE
ZONE 56 509716 mE

7041919 mN
7041731 mN

Described By: Malcolm, D (Don)

Date: 17-Oct-2000

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: No record
Element: plain
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: Sulfidic, Oxyaquic, HYDROSOL

GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| A1 | 0.00 to 0.10 | Very dark grey (10YR31) moist; very few <2% fine <5mm distinct orange mottles; light clay; |
| B2 | 0.10 to 0.60 | Very dark greyish brown (10YR32) moist; common 10-20% medium 5-15mm distinct orange mottles; light clay; moderate 2-5mm subangular blocky structure; |
| 2B2 | 0.60 to 1.10 | Dark grey (10YR41) moist; few 2-10% medium 5-15mm distinct orange mottles; light medium clay; massive structure; |
| 3B2 | 1.10 to 1.70 | Greyish brown (10YR52) moist; common 10-20% medium 5-15mm distinct orange mottles; fine sandy clay loam; massive structure; |
| 4C1u | 1.70 to 3.20 | Dark grey (2.5Y41) moist; silty light clay; massive structure; |
| 4C2u | 3.20 to 4.80 | Dark grey (2.5Y41) moist; silty light clay; massive structure; |
| 5C3u | 4.80 to 7.25 | Greenish grey (5GY51) moist; fine sandy light clay; massive structure; |
| 6C4 | 7.25 to 7.50 | Grey (2.5Y51) moist; fine sand; single grain structure; |
| 7C5 | 7.50 to 7.80 | Grey (2.5Y61) moist; coarse sand; common 10-20% subangular quartz small pebbles 2-6mm; single grain structure; |
| 7C6 | 7.80 to 8.00 | Grey (2.5Y61) moist; common 10-20% coarse 15-30mm distinct orange mottles; coarse sand; few 2-10% subangular quartz small pebbles 2-6mm; single grain structure; |
| 8C7 | 8.00 to 8.40 | Greenish grey (10Y51) moist; coarse sandy light clay; very few <2% subangular quartz small pebbles 2-6mm; massive structure; |
| 9C8 | 8.40 to 9.70 | Grey (5Y61) moist; coarse sand; few 2-10% subangular quartz small pebbles 2-6mm; single grain structure; |

Project: SEA

Site: 2259

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

509822 mE
509716 mE

7041919 mN
7041731 mN

Described By: Malcolm, D (Don)

Date: 17-Oct-2000

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.5 | 2.4 | |
| 0.30 | | | | | 4.5 | 2.6 | |
| 0.60 | | | | | 4.2 | 2.8 | |
| 0.80 | | | | | 3.9 | 2.7 | |
| 1.00 | | | | | 4.0 | 2.5 | |
| 1.25 | | | | | 4.0 | 1.6 | |
| 1.50 | | | | | 3.8 | 3.2 | |
| 1.75 | | | | | 4.2 | 1.8 | |
| 2.00 | | | | | 4.2 | 1.1 | |
| 2.25 | | | | | 4.5 | 1.0 | |
| 2.50 | | | | | 4.6 | 1.2 | |
| 2.75 | | | | | 5.1 | 1.6 | |
| 3.00 | | | | | 6.5 | 1.0 | |
| 3.25 | | | | | 6.2 | 1.4 | |
| 3.50 | | | | | 6.8 | 1.6 | |
| 3.75 | | | | | 6.9 | 2.1 | |
| 4.00 | | | | | 7.6 | 1.7 | |
| 4.25 | | | | | 7.9 | 1.8 | |
| 4.50 | | | | | 7.9 | 1.8 | |
| 4.75 | | | | | 7.7 | 1.9 | |
| 5.00 | | | | | 7.2 | 2.9 | |
| 5.25 | | | | | 8.7 | 6.8 | |
| 5.50 | | | | | 8.6 | 6.9 | |
| 5.75 | | | | | 8.1 | 7.0 | |
| 6.00 | | | | | 8.8 | 7.1 | |
| 6.25 | | | | | 8.1 | 7.2 | |
| 6.50 | | | | | 8.0 | 7.0 | |
| 6.75 | | | | | 8.1 | 7.6 | |
| 7.00 | | | | | 7.9 | 6.4 | |
| 7.25 | | | | | 8.0 | 4.2 | |
| 7.50 | | | | | 7.9 | 3.4 | |
| 7.75 | | | | | 7.1 | 4.1 | |
| 8.00 | | | | | 7.0 | 4.2 | |
| 8.25 | | | | | 7.2 | 4.3 | |
| 8.50 | | | | | 5.9 | 4.1 | |
| 8.75 | | | | | 6.2 | 4.2 | |
| 9.00 | | | | | 6.1 | 3.4 | |
| 9.25 | | | | | 6.0 | 3.1 | |
| 9.50 | | | | | 6.4 | 1.3 | |

Project: SEA

Site: 2260

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

506759 mE
506653 mE

7066580 mN
7066392 mN

Described By: Barry, Earl

Date: 20-Sep-2000

Landscape:

Geology: No record

Landform Pattern: stagnant alluvial plain

Runoff: No record

Microrelief: No record

Drainage: No record

Surface Coarse Fragments: No record

Surface Condition: No record

Substrate Lithology: Alluvium

Element: swamp

Permeability: No record

Microrelief Component: No record

Slope: No record

Classifications:

ASC: Sulfidic, Oxyaquic, HYDROSOL

GSG: No record

PPF: No record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| P1 | 0.00 to 0.25 | Black (10YR21) moist; fibric peat; massive structure; wet when sampled; clear to; |
| A12 | 0.25 to 0.70 | Very dark grey (10YR31) moist; sandy clay loam; massive structure; wet when sampled; diffuse to; |
| A2e | 0.70 to 2.00 | White (10YR82) moist; heavy sand; single grain structure; wet when sampled; diffuse to; |
| C1u | 2.00 to 4.70 | Olive grey (5Y42) moist; heavy sand; single grain structure; wet when sampled; diffuse to; |
| C2u | 4.70 to 6.90 | Olive grey (5Y52) moist; heavy sand; very few <2% angular quartz small pebbles 2-6mm; single grain structure; wet when sampled; clear to; |
| D1 | 6.90 to 9.60 | Light greenish grey (10Y81) moist; sandy medium clay; very few <2% angular quartz small pebbles 2-6mm; massive structure; wet when sampled; |

Project: SEA

Site: 2260

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.4 | 1.9 | |
| 0.30 | | | | | 5.0 | 3.4 | |
| 0.60 | | | | | 5.1 | 2.7 | |
| 0.80 | | | | | 5.1 | 2.1 | |
| 1.00 | | | | | 5.3 | 1.7 | |
| 1.50 | | | | | 5.1 | 1.9 | |
| 2.00 | | | | | 5.2 | 1.8 | |
| 2.50 | | | | | 5.4 | 1.7 | |
| 2.75 | | | | | 5.4 | 1.8 | |
| 3.00 | | | | | 5.3 | 1.8 | |
| 3.25 | | | | | 5.4 | 1.9 | |
| 3.50 | | | | | 5.4 | 1.8 | |
| 3.75 | | | | | 5.5 | 1.9 | |
| 4.00 | | | | | 5.6 | 1.9 | |
| 4.25 | | | | | 5.3 | 1.9 | |
| 4.50 | | | | | 5.4 | 2.0 | |
| 4.75 | | | | | 5.4 | 2.1 | |
| 5.00 | | | | | 5.4 | 2.3 | |
| 5.50 | | | | | 5.4 | 2.4 | |
| 6.00 | | | | | 5.4 | 2.4 | |
| 6.50 | | | | | 5.3 | 2.4 | |
| 7.00 | | | | | 5.1 | 2.2 | |
| 7.50 | | | | | 5.8 | 2.6 | |
| 8.00 | | | | | 5.7 | 2.6 | |
| 9.00 | | | | | 6.0 | 2.7 | |

Notes:

Site

Swampy area within wallum/podzol scrub south of hill

Project: SEA

Site: 2261

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

506910 mE
506804 mE

7066540 mN
7066352 mN

Described By: Barry, Earl

Date: 20-Sep-2000

Landscape:

Geology: No record

Landform Pattern: stagnant alluvial plain

Runoff: No record

Microrelief: No record

Drainage: No record

Surface Coarse Fragments: No record

Surface Condition: No record

Substrate Lithology: No record

Element: swamp

Permeability: No record

Microrelief Component: No record

Slope: No record

Classifications:

ASC: Sulfidic, Sapric, ORGANOSOL

GSG: No record

PPF: No record

Vegetation:

Tallest Stratum: Vine

Species: Melaleuca species

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| P2 | 0.00 to 0.50 | Black (10YR21) moist; sapric peat; wet when sampled; clear to; |
| O2 | 0.50 to 0.90 | Dark olive grey (5Y32) moist; common 10-20% coarse 15-30mm distinct brown mottles; sapric clay loam; wet when sampled; clear to; |
| 2B21 | 0.90 to 1.20 | Grey (2.5Y51) moist; few 2-10% coarse 15-30mm distinct gley mottles; medium heavy clay; wet when sampled; |
| 2B1c | 1.20 to 1.35 | Grey (5Y51) moist; few 2-10% medium 5-15mm distinct dark mottles; silty medium clay; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 5.4 | 4.0 | |
| 0.30 | | | | | 5.5 | 4.4 | |
| 0.60 | | | | | 6.0 | 4.3 | |
| 0.80 | | | | | 6.1 | 3.9 | |
| 1.00 | | | | | 6.1 | 2.3 | |
| 1.25 | | | | | 6.1 | 2.5 | |

Notes:

Project: SEA

Site: 2262

Soil Name: No record

Location: GDA 94 ZONE 56 509611 mE 7042416 mN
Location: AGD 84 ZONE 56 509505 mE 7042228 mN

Described By: Malcolm, D (Don)

Date: 17-Oct-2000

Landscape:

Geology: No record **Substrate Lithology:** No record
Landform Pattern: alluvial plain **Element:** drainage depression
Runoff: No record **Permeability:** No record
Microrelief: No record **Microrelief Component:** No record
Drainage: No record **Slope:** No record
Surface Coarse Fragments: No record
Surface Condition: No record

Classifications:

ASC: Sulfidic, Sapric, ORGANOSOL
GSG: No record **PPF:** No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| A1 | 0.00 to 0.10 | Very dark grey (10YR31) moist; very few <2% fine <5mm distinct orange mottles; light clay; weak 2-5mm granular structure; |
| B21 | 0.10 to 0.60 | Dark grey (10YR41) moist; few 2-10% medium 5-15mm distinct orange mottles; silty light medium clay; massive structure; |
| B22 | 0.60 to 1.10 | Grey (10YR51) moist; few 2-10% medium 5-15mm distinct orange mottles; silty light medium clay; massive structure; |
| 2C1 | 1.10 to 2.30 | Dark grey (2.5Y41) moist; silty light clay; massive structure; |
| 3C2 | 2.30 to 3.10 | Grey (2.5Y51) moist; fine sandy loam; massive structure; |
| 4D1 | 3.10 to 3.60 | Grey (2.5Y61) moist; common 10-20% medium 5-15mm distinct red, few 2-10% medium 5-15mm distinct orange mottles; medium heavy clay; massive structure; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 5.0 | 2.3 | |
| 0.30 | | | | | 5.4 | 2.6 | |
| 0.60 | | | | | 5.5 | 2.3 | |
| 0.80 | | | | | 5.0 | 2.3 | |
| 1.00 | | | | | 5.4 | 1.7 | |
| 1.25 | | | | | 5.6 | 1.0 | |
| 1.50 | | | | | 5.8 | 1.7 | |
| 1.75 | | | | | 5.9 | 1.2 | |
| 2.00 | | | | | 6.6 | 0.8 | |
| 2.25 | | | | | 6.7 | 1.4 | |
| 2.50 | | | | | 6.8 | 1.3 | |
| 2.75 | | | | | 6.8 | 1.4 | |
| 3.00 | | | | | 6.7 | 2.1 | |
| 3.25 | | | | | 6.6 | 3.6 | |
| 3.50 | | | | | 6.9 | 4.1 | |

Notes:

Project: SEA

Site: 2263

Location: GDA 94 ZONE 56 509919 mE 7042751 mN
Location: AGD 84 ZONE 56 509813 mE 7042563 mN **Described**
By: Malcolm, D (Don) **Date:** 18-Oct-2000

Landscape:

Geology: No record

Substrate Lithology: No record

Landform Pattern: alluvial plain

Element: drainage depression

Classifications:

ASC: Sulfidic, Sapric, ORGANOSOL

GSG: No record

PPF: No record

Vegetation:

Tallest Stratum: Vine, 3.01-6m

Species: Melaleuca quinquenervia (swamp paperbark, paper-barked tea-tree, broad-leaved tea-tree)

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| A11 | 0.00 to 0.10 | Very dark grey (10YR31) moist; few 2-10% medium 5-15mm distinct orange mottles; clay loam; weak 2-5mm granular structure; |
| A12 | 0.10 to 0.60 | Dark grey (10YR41) moist; clay loam; massive structure; |
| 2B | 0.60 to 1.20 | Dark grey (2.5Y41) moist; few 2-10% medium 5-15mm distinct orange mottles; sandy light clay; massive structure; |
| 3C1 | 1.20 to 3.20 | Dark grey (5Y41) moist; silty light clay; massive structure; |
| 4C2 | 3.20 to 3.50 | Dark grey (2.5Y41) moist; sand; single grain structure; |
| 5C3 | 3.50 to 4.00 | Dark greyish brown (2.5Y42) moist; fine sandy loam; massive structure; |
| 6C4 | 4.00 to 4.60 | Grey (2.5Y51) moist; fine sandy light clay; massive structure; |
| 6C5 | 4.60 to 5.00 | Grey (2.5Y51) moist; few 2-10% coarse 15-30mm distinct orange mottles; fine sandy light clay; massive structure; |
| 6C6 | 5.00 to 5.80 | Grey (2.5Y51) moist; fine sandy light clay; massive structure; |
| 7C7 | 5.80 to 6.30 | Light grey (10YR71) moist; sand; single grain structure; |
| 8C8 | 6.30 to 6.60 | Dark greyish brown (10YR42) moist; sand; single grain structure; |
| 9D1 | 6.60 to 7.25 | Greenish grey (5GY61) moist; common 10-20% medium 5-15mm distinct orange mottles; medium heavy clay; massive structure; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.5 | 1.6 | |
| 0.30 | | | | | 4.9 | 2.3 | |
| 0.60 | | | | | 4.5 | 1.7 | |
| 0.80 | | | | | 5.0 | 1.5 | |
| 1.00 | | | | | 4.9 | 1.3 | |
| 1.25 | | | | | 5.1 | 1.0 | |
| 1.50 | | | | | 5.3 | 0.6 | |
| 1.75 | | | | | 5.4 | 0.8 | |
| 2.00 | | | | | 5.5 | 1.0 | |
| 2.25 | | | | | 5.7 | 0.8 | |
| 2.50 | | | | | 5.8 | 0.8 | |
| 2.75 | | | | | 5.7 | 0.7 | |
| 3.00 | | | | | 5.6 | 0.7 | |
| 3.25 | | | | | 5.4 | 1.4 | |
| 3.50 | | | | | 5.1 | 1.1 | |
| 3.75 | | | | | 5.2 | 1.4 | |
| 4.00 | | | | | 5.0 | 1.6 | |
| 4.25 | | | | | 5.1 | 1.5 | |
| 4.50 | | | | | 5.6 | 1.6 | |
| 4.75 | | | | | 5.7 | 3.2 | |
| 5.00 | | | | | 5.7 | 3.2 | |
| 5.25 | | | | | 5.6 | 2.9 | |
| 5.50 | | | | | 5.7 | 2.3 | |
| 5.75 | | | | | 6.1 | 2.8 | |
| 6.00 | | | | | 6.5 | 2.0 | |
| 6.25 | | | | | 6.1 | 2.0 | |
| 6.50 | | | | | 6.0 | 3.0 | |
| 6.75 | | | | | 6.3 | 3.1 | |
| 7.00 | | | | | 6.0 | 3.5 | |
| 7.25 | | | | | 6.5 | 3.9 | |

Project: SEA **Site:** 2264

Soil Name: No record

Location: GDA 94 **ZONE** 56 509116 mE 7042399 mN
Location: AGD 84 **ZONE** 56 509010 mE 7042211 mN

Described By: Malcolm, D (Don) **Date:** 19-Oct-2000

Landscape:

Geology: No record **Substrate Lithology:** Alluvium
Landform Pattern: alluvial plain **Element:** plain
Runoff: No record **Permeability:** No record
Microrelief: No record **Microrelief Component:** No record
Drainage: No record **Slope:** No record
Surface Coarse Fragments: No record
Surface Condition: No record

Classifications:

ASC: Grey, KANDOSOL **PPF:** No record
GSG: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| A1 | 0.00 to 0.10 | Very dark greyish brown (10YR32) moist; very few <2% fine <5mm faint orange mottles; fine sandy loam; weak 2-5mm granular structure; |
| A21e | 0.10 to 0.50 | Grey (10YR51) moist; light grey (10YR71) dry; very few <2% medium 5-15mm faint orange mottles; fine sandy loam; massive structure; |
| B1 | 0.50 to 0.80 | Light brownish grey (10YR62) moist; few 2-10% medium 5-15mm distinct orange mottles; fine sandy clay loam; massive structure; |
| B21 | 0.80 to 1.20 | Grey (10YR61) moist; common 10-20% coarse 15-30mm distinct orange, few 2-10% medium 5-15mm distinct red mottles; fine sandy light clay; massive structure; |
| B22 | 1.20 to 2.20 | Grey (2.5Y61) moist; common 10-20% coarse 15-30mm distinct red, few 2-10% medium 5-15mm distinct orange mottles; fine sandy light medium clay; massive structure; |
| B3 | 2.20 to 2.40 | Grey (2.5Y61) moist; few 2-10% medium 5-15mm distinct orange mottles; sandy medium clay; massive structure; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 5.4 | 4.2 | |
| 0.30 | | | | | 5.4 | 4.2 | |
| 0.60 | | | | | 5.4 | 3.9 | |
| 0.80 | | | | | 4.9 | 3.9 | |
| 1.00 | | | | | 5.0 | 4.1 | |
| 1.25 | | | | | 4.8 | 3.7 | |
| 1.50 | | | | | 4.8 | 3.4 | |
| 1.75 | | | | | 4.6 | 3.3 | |
| 2.00 | | | | | 4.6 | 3.9 | |
| 2.25 | | | | | 5.0 | 4.1 | |

Notes:

Project: SEA

Site: 2265

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

509415 mE
509309 mE

7042296 mN
7042108 mN

Described By: Malcolm, D (Don)

Date: 19-Oct-2000

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: No record
Element: plain
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: Grey, KANDOSOL
GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| A1 | 0.00 to 0.30 | Very dark grey (10YR31) moist; very few <2% fine <5mm faint orange mottles; light clay; moderate 2-5mm granular structure; |
| B21 | 0.30 to 0.60 | Very dark greyish brown (10YR32) moist; few 2-10% medium 5-15mm distinct orange mottles; light medium clay; moderate 2-5mm subangular blocky structure; |
| B22 | 0.60 to 1.20 | Grey (10YR51) moist; common 10-20% medium 5-15mm distinct orange mottles; medium clay; moderate 2-5mm subangular blocky structure; |
| 2C1 | 1.20 to 1.60 | Light brownish grey (10YR62) moist; sand; single grain structure; |
| 3D1 | 1.60 to 2.10 | Light brownish grey (10YR62) moist; few 2-10% coarse 15-30mm distinct orange mottles; sand; single grain structure; |
| 4D2 | 2.10 to 2.40 | Grey (N60) moist; sandy medium heavy clay; massive structure; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 5.7 | 2.7 | |
| 0.30 | | | | | 5.5 | 3.8 | |
| 0.60 | | | | | 5.5 | 3.8 | |
| 0.80 | | | | | 5.5 | 3.3 | |
| 1.00 | | | | | 5.5 | 2.9 | |
| 1.25 | | | | | 5.9 | 3.6 | |
| 1.50 | | | | | 5.5 | 3.9 | |
| 1.75 | | | | | 5.4 | 3.8 | |
| 2.00 | | | | | 5.4 | 3.7 | |
| 2.25 | | | | | 5.2 | 3.2 | |

Notes:

Project: SEA

Site: 2266

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56 509477 mE
ZONE 56 509371 mE

7042667 mN
7042479 mN

Described By: Malcolm, D (Don)

Date: 19-Oct-2000

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: No record
Element: swamp
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: Grey, KANDOSOL
GSG: No record

PPF: No record

Vegetation:

Tallest Stratum: Tree
Species: Melaleuca quinquenervia (swamp paperbark, paper-barked tea-tree, broad-leaved tea-tree);
Lophostemon suaveolens (swamp box, swamp mahogany)

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| A1 | 0.00 to 0.10 | Very dark grey (10YR31) moist; clay loam; massive structure; |
| C1 | 0.10 to 0.60 | Dark grey (2.5Y41) moist; silty light clay; massive structure; |
| 2C2 | 0.60 to 0.80 | Greyish brown (2.5Y52) moist; few 2-10% fine <5mm distinct orange mottles; silty light medium clay; massive structure; |
| 3C3 | 0.80 to 1.60 | Dark greyish brown (10YR42) moist; loamy sand; massive structure; |
| 3C4 | 1.60 to 2.80 | Grey (10YR61) moist; loamy sand; massive structure; |
| 4C5 | 2.80 to 3.00 | Grey (10YR61) moist; sandy loam; massive structure; |
| 5C6 | 3.00 to 3.20 | Light grey (10YR71) moist; sand; single grain structure; |
| 6D | 3.20 to 3.50 | Grey (N60) moist; sandy light medium clay; massive structure; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 3.8 | 1.7 | |
| 0.30 | | | | | 4.8 | 1.9 | |
| 0.60 | | | | | 4.6 | 1.9 | |
| 0.80 | | | | | 4.5 | 1.5 | |
| 1.00 | | | | | 4.3 | 2.1 | |
| 1.25 | | | | | 4.2 | 2.6 | |
| 1.50 | | | | | 4.1 | 1.5 | |
| 1.75 | | | | | 3.7 | 1.8 | |
| 2.00 | | | | | 3.6 | 1.2 | |
| 2.25 | | | | | 3.9 | 1.6 | |
| 2.50 | | | | | 3.7 | 1.6 | |
| 2.75 | | | | | 3.7 | 1.9 | |
| 3.00 | | | | | 3.9 | 1.2 | |
| 3.25 | | | | | 4.1 | 1.7 | |
| 3.50 | | | | | 4.0 | 2.4 | |

Notes:

Location Edge of recently cleared Melaleuca Swamp

Project: SEA **Site:** 2267

Soil Name: No record

Location: GDA 94 ZONE 56 510118 mE 7043010 mN
Location: AGD 84 ZONE 56 510012 mE 7042822 mN

Described By: Malcolm, D (Don)

Date: 19-Oct-2000

Landscape:

Geology: No record

Substrate Lithology: No record

Landform Pattern: alluvial plain

Element: swamp

Runoff: No record

Permeability: No record

Microrelief: No record

Microrelief Component: No record

Drainage: No record

Slope: No record

Surface Coarse Fragments: No record

Surface Condition: No record

Classifications:

ASC: Grey, KANDOSOL

GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| A11 | 0.00 to 0.10 | Black (10YR21) moist; clay loam; moderate 2-5mm granular structure; |
| A12 | 0.10 to 0.70 | Very dark grey (10YR31) moist; light clay; moderate 2-5mm granular structure; |
| 2B21 | 0.70 to 1.00 | Grey (2.5Y51) moist; common 10-20% medium 5-15mm distinct orange mottles; silty light clay; massive structure; |
| 3C1 | 1.00 to 1.40 | Dark grey (2.5Y41) moist; sandy loam; massive structure; |
| 4C2 | 1.40 to 1.90 | Grey (2.5Y61) moist; loamy sand; single grain structure; |
| 5D1 | 1.90 to 2.60 | Grey (N60) moist; sandy medium clay; massive structure; |
| 6D2 | 2.60 to 3.50 | Grey (2.5Y61) moist; sandy loam; very few <2% angular quartz medium pebbles 6-20mm; massive structure; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 3.8 | 2.7 | |
| 0.30 | | | | | 4.1 | 3.0 | |
| 0.60 | | | | | 4.0 | 2.8 | |
| 0.80 | | | | | 3.7 | 2.7 | |
| 1.00 | | | | | 3.7 | 2.6 | |
| 1.25 | | | | | 3.7 | 2.4 | |
| 1.50 | | | | | 3.7 | 3.0 | |
| 1.75 | | | | | 3.8 | 2.6 | |
| 2.00 | | | | | 3.8 | 1.6 | |
| 2.25 | | | | | 3.8 | 1.9 | |
| 2.50 | | | | | 3.7 | 2.4 | |
| 2.75 | | | | | 3.7 | 1.5 | |
| 3.00 | | | | | 3.8 | 1.6 | |
| 3.25 | | | | | 4.2 | 1.6 | |
| 3.50 | | | | | 4.2 | 1.7 | |

Notes:

Location In depression - Melaleuca Swamp

Project: SEA

Site: 2268

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

507466 mE
507360 mE

7041158 mN
7040970 mN

Described By: Barry, Earl

Date: 06-Nov-2000

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: No record
Element: plain
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: Brown, KANDOSOL
GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| A11 | 0.00 to 0.15 | Very dark greyish brown (10YR32) moist; clay loam, fine sandy; massive structure; moist when sampled; clear to; |
| B21 | 0.15 to 0.80 | Dark brown (10YR33) moist; few 2-10% medium 5-15mm distinct orange mottles; fine sandy light clay; weak structure; very few <2% medium 2-6mm ferruginous nodules; moist when sampled; gradual to; |
| B22 | 0.80 to 1.40 | Light olive brown (2.5Y54) moist; few 2-10% fine <5mm faint red mottles; fine sandy medium clay; weak structure; moist when sampled; gradual to; |
| B23 | 1.40 to 1.80 | Grey (10YR61) moist; common 10-20% very coarse >30mm prominent red, many 20-50% very coarse >30mm prominent brown mottles; fine sandy heavy clay; massive structure; few 2-10% medium 2-6mm ferruginous nodules; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 5.1 | 3.3 | |
| 0.30 | | | | | 5.2 | 3.4 | |
| 0.60 | | | | | 5.4 | 3.4 | |
| 0.80 | | | | | 4.9 | 3.4 | |
| 1.00 | | | | | 4.8 | 3.6 | |
| 1.25 | | | | | 4.7 | 3.4 | |
| 1.50 | | | | | 4.6 | 3.0 | |
| 1.75 | | | | | 4.6 | 3.3 | |

Notes:

Project: SEA

Site: 2269

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

507866 mE
507760 mE

7041078 mN
7040890 mN

Described By: Barry, Earl

Date: 06-Nov-2000

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: Alluvium
Element: levee
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: Brown, KANDOSOL
GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| A11 | 0.00 to 0.20 | Very dark greyish brown (10YR32) moist; clay loam, fine sandy; massive structure; very few <2% fine <2mm manganiferous nodules; moist when sampled; clear to; |
| B21 | 0.20 to 0.50 | Greyish brown (2.5Y53) moist; fine sandy light clay; massive structure; few 2-10% fine <2mm manganiferous nodules; moist when sampled; clear to; |
| 2B2 | 0.50 to 0.80 | Greyish brown (2.5Y53) moist; few 2-10% medium 5-15mm distinct grey mottles; sandy medium heavy clay; massive structure; moist when sampled; gradual to; |
| 3B21 | 0.80 to 1.50 | Grey (2.5Y51) moist; few 2-10% medium 5-15mm prominent red mottles; medium heavy clay; massive structure; very few <2% fine <2mm ferruginous nodules; moist when sampled; gradual to; |
| 3B22 | 1.50 to 3.60 | Grey (2.5Y51) moist; very few <2% medium 5-15mm distinct dark, few 2-10% medium 5-15mm prominent red mottles; medium heavy clay; massive structure; moist when sampled; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 5.3 | 4.3 | |
| 0.30 | | | | | 5.4 | 4.1 | |
| 0.60 | | | | | 5.0 | 3.1 | |
| 0.80 | | | | | 4.7 | 2.9 | |
| 1.00 | | | | | 4.5 | 3.0 | |
| 1.25 | | | | | 4.5 | 2.9 | |
| 1.50 | | | | | 4.5 | 2.9 | |
| 1.75 | | | | | 4.6 | 3.3 | |
| 2.00 | | | | | 4.6 | 3.2 | |
| 2.25 | | | | | 4.5 | 3.3 | |
| 2.50 | | | | | 4.7 | 3.3 | |
| 2.75 | | | | | 4.6 | 3.0 | |
| 3.25 | | | | | 4.7 | 3.8 | |
| 3.50 | | | | | 4.6 | 3.3 | |

Notes:

Project: SEA **Site:** 2270

Soil Name: No record

Location: GDA 94 **ZONE** 56 **509014 mE** **7042119 mN**
Location: AGD 84 **ZONE** 56 **508908 mE** **7041931 mN**

Described By: Johnston, Philip Leslie Woodford

Date: 24-Oct-2000

Landscape:

Geology: No record

Landform Pattern: alluvial plain

Runoff: No record

Microrelief: No record

Drainage: No record

Surface Coarse Fragments: No record

Surface Condition: No record

Substrate Lithology: Alluvium

Element: levee

Permeability: No record

Microrelief Component: No record

Slope: No record

Classifications:

ASC: Grey, DERMOSOL

GSG: No record

PPF: No record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| A1 | 0.00 to 0.18 | Light clay; moderate 2-5mm granular structure; moderately moist when sampled; |
| B21 | 0.18 to 0.85 | Dark grey (2.5Y41) moist; common 10-20% medium 5-15mm distinct orange mottles; light medium clay; massive structure; moderately moist when sampled; clear to; |
| B22 | 0.85 to 1.25 | Greyish brown (2.5Y52) moist; few 2-10% coarse 15-30mm prominent orange mottles; medium clay; wet when sampled; gradual to; |
| B23 | 1.25 to 1.85 | Very dark grey (10YR31) moist; common 10-20% fine <5mm distinct dark, few 2-10% fine <5mm distinct orange mottles; medium heavy clay; massive structure; wet when sampled; gradual to; |
| B24 | 1.85 to 2.50 | Grey (2.5Y51) moist; common 10-20% medium 5-15mm distinct orange mottles; medium heavy clay; massive structure; very few <2% medium 2-6mm ferruginous nodules, few 2-10% medium 2-6mm ferruginous-organic root linings; wet when sampled; gradual to; |
| 2C1u | 2.50 to 3.00 | Very dark grey (10YR31) moist; very few <2% fine <5mm distinct orange mottles; silty light clay; massive structure; wet when sampled; abrupt to; |
| 2C2u | 3.00 to 4.25 | Greenish black (10Y2.51) moist; silty light clay; many 20-50% medium pebbles 6-20mm; massive structure; wet when sampled; abrupt to; |
| 3C3u | 4.25 to 4.35 | Dark grey (5Y41) moist; sandy loam; massive structure; wet when sampled; abrupt to; |
| 3C4u | 4.35 to 6.00 | Greenish grey (10Y51) moist; very few <2% medium 5-15mm faint dark mottles; clayey sand; single grain structure; wet when sampled; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.7 | 3.4 | |
| 0.30 | | | | | 4.9 | 3.2 | |
| 0.60 | | | | | 4.8 | 3.2 | |
| 0.80 | | | | | 4.8 | 3.0 | |
| 1.00 | | | | | 4.7 | 3.0 | |
| 1.30 | | | | | 4.3 | 2.3 | |
| 1.50 | | | | | 4.0 | 2.7 | |
| 1.75 | | | | | 3.9 | 2.7 | |
| 2.00 | | | | | 3.9 | 2.4 | |
| 2.25 | | | | | 4.0 | 2.2 | |
| 2.50 | | | | | 4.1 | 1.9 | |
| 2.75 | | | | | 4.4 | 1.3 | |
| 3.00 | | | | | 4.1 | 1.0 | |
| 3.25 | | | | | 4.4 | 1.0 | |
| 3.50 | | | | | 4.4 | 0.9 | |
| 3.75 | | | | | 4.7 | 1.0 | |
| 4.00 | | | | | 5.1 | 1.2 | |
| 4.30 | | | | | 5.0 | 1.5 | |
| 4.50 | | | | | 4.7 | 1.8 | |
| 4.75 | | | | | 4.4 | 2.3 | |
| 5.00 | | | | | 4.5 | 2.3 | |
| 5.50 | | | | | 4.3 | 2.0 | |
| 6.00 | | | | | 4.3 | 3.2 | |

Notes:

Project: SEA **Site:** 2271

Soil Name: No record

Location: GDA 94 ZONE 56 509073 mE 7041778 mN
Location: AGD 84 ZONE 56 508967 mE 7041590 mN

Described By: Johnston, Philip Leslie Woodford

Date: 24-Oct-2000

Landscape:

Geology: No record **Substrate Lithology:** No record
Landform Pattern: alluvial plain **Element:** scroll plain
Runoff: No record **Permeability:** No record
Microrelief: No record **Microrelief Component:** No record
Drainage: No record **Slope:** No record
Surface Coarse Fragments: No record
Surface Condition: No record

Classifications:

ASC: Epipedal, Black, VERTOSOL
GSG: No record **PPF:** No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| A1 | 0.00 to 0.10 | Very dark greyish brown (10YR32) moist; light clay; moderate 10-20mm subangular blocky structure; |
| B21 | 0.10 to 0.30 | Dark greyish brown (2.5Y42) moist; very few <2% fine <5mm distinct orange mottles; light medium clay; strong 10-20mm subangular blocky structure; clear to; |
| 2B21 | 0.30 to 1.15 | Very dark greyish brown (10YR32) moist; few 2-10% fine <5mm prominent red mottles; heavy clay; moderate 20-50mm lenticular, strong 5-10mm angular blocky structure; |
| 3B2 | 1.15 to 1.25 | Very dark grey (5Y31) moist; common 10-20% medium 5-15mm prominent red, few 2-10% medium 5-15mm distinct orange mottles; light medium clay; massive structure; few 2-10% medium 2-6mm earthy soft segregations; wet when sampled; clear to; |
| 4C1 | 1.25 to 1.40 | Grey (10YR51) moist; very few <2% fine <5mm distinct dark mottles; medium clay; massive structure; wet when sampled; clear to; |
| 5C2 | 1.40 to 2.25 | Grey (2.5Y51) moist; common 10-20% medium 5-15mm distinct orange, few 2-10% medium 5-15mm prominent orange mottles; light medium clay; massive structure; wet when sampled; clear to; |
| 6C3 | 2.25 to 2.80 | Greenish grey (10Y51) moist; fine sandy light clay; massive structure; wet when sampled; clear to; |
| 6C4 | 2.80 to 3.20 | Grey (N60) moist; many 20-50% very coarse >30mm distinct orange mottles; fine sandy light clay; massive structure; very few <2% coarse 6-20mm ferruginous tubules; wet when sampled; gradual to; |
| 7D1 | 3.20 to 3.60 | Greenish grey (5GY51) moist; common 10-20% medium 5-15mm prominent orange mottles; fine sandy light medium clay; massive structure; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.8 | 2.8 | |
| 0.25 | | | | | 4.8 | 3.6 | |
| 0.60 | | | | | 4.5 | 2.9 | |
| 1.00 | | | | | 4.3 | 2.6 | |
| 1.25 | | | | | 4.2 | 3.2 | |
| 1.50 | | | | | 4.2 | 3.5 | |
| 1.75 | | | | | 4.2 | 3.1 | |
| 2.00 | | | | | 4.1 | 3.2 | |
| 2.25 | | | | | 4.3 | 3.4 | |
| 2.50 | | | | | 4.2 | 3.2 | |
| 2.75 | | | | | 4.2 | 3.2 | |
| 3.00 | | | | | 4.3 | 3.0 | |
| 3.25 | | | | | 5.5 | 2.5 | |
| 3.50 | | | | | 5.5 | 3.0 | |

Notes:

Site Gley colours - not much reaction or pH drop.

Project: SEA

Site: 2272

Soil Name: No record

Location: GDA 94

ZONE 56

509039 mE

7041922 mN

Location: AGD 84

ZONE 56

508933 mE

7041734 mN

Described By: Barry, Earl

Date: 24-Oct-2000

Landscape:

Geology: No record

Landform Pattern: alluvial plain

Runoff: No record

Microrelief: No record

Drainage: No record

Surface Coarse Fragments: No record

Surface Condition: No record

Substrate Lithology: Alluvium

Element: scroll plain

Permeability: No record

Microrelief Component: No record

Slope: No record

Classifications:

ASC: Brown, DERMOSOL

GSG: No record

PPF: No record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| A1 | 0.00 to 0.10 | Very dark greyish brown (10YR32) moist; light medium clay; weak structure; moderately moist when sampled; clear to; |
| A2j | 0.10 to 0.90 | Dark greyish brown (2.5Y42) moist; few 2-10% coarse 15-30mm distinct orange mottles; light medium clay; moderate 5-10mm subangular blocky structure; common 10-20% medium 2-6mm ferromanganiferous nodules, many 20-50% medium 2-6mm manganiferous soft segregations; moderately moist when sampled; gradual to; |
| B21 | 0.90 to 2.10 | Very dark grey (2.5Y31) moist; few 2-10% coarse 15-30mm prominent red, common 10-20% fine <5mm distinct orange mottles; heavy clay; massive structure; few 2-10% fine <2mm ferruginous soft segregations; moist when sampled; abrupt to; |
| 2B22 | 2.10 to 2.30 | Dark greyish brown (10YR42) moist; few 2-10% medium 5-15mm distinct brown mottles; silty medium clay; massive structure; few 2-10% fine <2mm manganiferous soft segregations; moist when sampled; clear to; |
| 2B23 | 2.30 to 2.70 | Grey (2.5Y51) moist; common 10-20% medium 5-15mm prominent orange mottles; silty medium clay; massive structure; few 2-10% fine <2mm ferruginous nodules; moist when sampled; clear to; |
| 2C1 | 2.70 to 3.10 | Dark grey (2.5Y41) moist; silty medium clay; massive structure; moist when sampled; gradual to; |
| 3C2u | 3.10 to 3.40 | Dark grey (5Y41) moist; sandy light clay; massive structure; wet when sampled; clear to; |
| 4C3u | 3.40 to 4.90 | Grey (5Y51) moist; clayey sand; single grain structure; wet when sampled; diffuse to; |
| 5C4u | 4.90 to 6.00 | Grey (2.5Y61) moist; coarse sand; single grain structure; wet when sampled; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 5.2 | 3.3 | |
| 0.30 | | | | | 5.4 | 6.0 | |
| 0.60 | | | | | 5.5 | 6.1 | |
| 0.80 | | | | | 5.6 | 4.3 | |
| 1.00 | | | | | 5.0 | 2.0 | |
| 1.25 | | | | | 4.5 | 2.0 | |
| 1.50 | | | | | 4.4 | 3.0 | |
| 1.75 | | | | | 4.4 | 2.8 | |
| 2.00 | | | | | 4.3 | 2.7 | |
| 2.25 | | | | | 4.2 | 3.2 | |
| 2.50 | | | | | 4.2 | 2.6 | |
| 2.75 | | | | | 4.5 | 3.0 | |
| 3.00 | | | | | 4.3 | 2.8 | |
| 3.25 | | | | | 4.4 | 2.4 | |
| 3.50 | | | | | 4.5 | 2.0 | |
| 3.75 | | | | | 4.4 | 2.0 | |
| 4.00 | | | | | 4.5 | 1.6 | |
| 4.25 | | | | | 4.8 | 2.2 | |
| 4.50 | | | | | 4.9 | 1.9 | |
| 4.75 | | | | | 5.0 | 2.1 | |
| 5.00 | | | | | 5.1 | 2.3 | |
| 5.50 | | | | | 5.3 | 2.8 | |
| 6.00 | | | | | 5.4 | 2.4 | |

Project: SEA

Site: 2273

Soil Name: No record

Location: GDA 94

ZONE 56

509310 mE

7041456 mN

Location: AGD 84

ZONE 56

509204 mE

7041268 mN

Described By: Barry, Earl

Date: 25-Oct-2000

Landscape:

Geology: No record

Substrate Lithology: Alluvium

Landform Pattern: alluvial plain

Element: scroll plain

Runoff: No record

Permeability: No record

Microrelief: No record

Microrelief Component: No record

Drainage: No record

Slope: No record

Surface Coarse Fragments: No record

Surface Condition: No record

Classifications:

ASC: Epipedal, Black, VERTOSOL

GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| A11 | 0.00 to 0.40 | Black (10YR21) moist; medium heavy clay; moderate 10-20mm subangular blocky structure; moderately moist when sampled; clear to; |
| B21 | 0.40 to 1.00 | Very dark grey (10YR31) moist; few 2-10% fine <5mm distinct orange mottles; heavy clay; strong 20-50mm lenticular, strong 10-20mm angular blocky structure; moist when sampled; |
| 2B3 | 1.00 to 1.45 | Dark greyish brown (2.5Y42) moist; few 2-10% medium 5-15mm prominent red, few 2-10% medium 5-15mm prominent orange mottles; silty light medium clay; massive structure; wet when sampled; |
| 3C1u | 1.45 to 2.10 | Dark grey (2.5Y41) moist; clayey sand; very few <2% subangular charcoal small pebbles 2-6mm; massive structure; wet when sampled; |
| 4D1 | 2.10 to 3.30 | Greenish grey (5GY51) moist; very few <2% coarse 15-30mm faint brown mottles; sandy medium clay; massive structure; moist when sampled; |
| 5D2 | 3.30 to 3.90 | Light grey (2.5Y71) moist; heavy sand; single grain structure; wet when sampled; |
| 5D3 | 3.90 to 4.80 | Grey (5Y61) moist; clayey sand; single grain structure; wet when sampled; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.5 | 2.1 | |
| 0.30 | | | | | 4.1 | 2.6 | |
| 0.60 | | | | | 4.1 | 2.9 | |
| 0.80 | | | | | 4.0 | 2.9 | |
| 1.25 | | | | | 3.8 | 2.3 | |
| 1.50 | | | | | 4.7 | 2.3 | |
| 1.75 | | | | | 4.7 | 2.2 | |
| 2.00 | | | | | 5.1 | 3.3 | |
| 2.25 | | | | | 5.7 | 2.2 | |
| 2.50 | | | | | 6.0 | 3.6 | |
| 2.75 | | | | | 5.7 | 3.2 | |
| 3.00 | | | | | 5.8 | 3.7 | |
| 3.25 | | | | | 5.7 | 3.0 | |
| 3.50 | | | | | 5.7 | 2.7 | |
| 3.75 | | | | | 5.9 | 2.8 | |
| 4.00 | | | | | 6.0 | 3.4 | |
| 4.25 | | | | | 6.0 | 3.8 | |
| 4.50 | | | | | 6.0 | 3.4 | |
| 4.75 | | | | | 5.9 | 3.0 | |

Notes:

Project: SEA

Site: 2274

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

509556 mE
509450 mE

7041798 mN
7041610 mN

Described By: Barry, Earl

Date: 25-Oct-2000

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: Alluvium
Element: levee
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: Epipedal, Black, VERTOSOL
GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| A11 | 0.00 to 0.25 | Dark greyish brown (10YR42) moist; medium heavy clay; moderate 10-20mm angular blocky structure; moderately moist when sampled; clear to; |
| B21 | 0.25 to 0.75 | Very dark grey (10YR31) moist; few 2-10% medium 5-15mm distinct orange mottles; heavy clay; strong 20-50mm lenticular, strong 10-20mm angular blocky structure; moderately moist when sampled; clear to; |
| 2B31 | 0.75 to 1.20 | Greyish brown (2.5Y52) moist; common 10-20% coarse 15-30mm prominent orange mottles; clayey sand; massive structure; moist when sampled; gradual to; |
| 2B32 | 1.20 to 1.50 | Grey (2.5Y51) moist; very few <2% medium 5-15mm faint brown mottles; heavy sand; very few <2% subangular quartz small pebbles 2-6mm; single grain structure; wet when sampled; gradual to; |
| 2B33 | 1.50 to 2.30 | Grey (2.5Y51) moist; few 2-10% medium 5-15mm distinct brown mottles; heavy sand; very few <2% subangular quartz small pebbles 2-6mm; single grain structure; wet when sampled; clear to; |
| 2C1 | 2.30 to 3.30 | Grey (2.5Y61) moist; sand; single grain structure; wet when sampled; gradual to; |
| 3C2 | 3.30 to 4.80 | Grey (10YR61) moist; clayey sand; very few <2% subangular quartz small pebbles 2-6mm; massive structure; wet when sampled; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.6 | 3.0 | |
| 0.30 | | | | | 4.8 | 3.0 | |
| 0.60 | | | | | 4.4 | 2.6 | |
| 0.80 | | | | | 4.5 | 2.7 | |
| 1.00 | | | | | 4.6 | 1.6 | |
| 1.25 | | | | | 4.4 | 2.5 | |
| 1.50 | | | | | 4.4 | 3.0 | |
| 1.75 | | | | | 4.1 | 3.2 | |
| 2.00 | | | | | 3.9 | 2.5 | |
| 2.25 | | | | | 4.3 | 2.2 | |
| 2.50 | | | | | 4.3 | 1.3 | |
| 2.75 | | | | | 4.6 | 1.3 | |
| 3.00 | | | | | 5.2 | 1.8 | |
| 3.25 | | | | | 5.9 | 1.8 | |
| 3.50 | | | | | 6.0 | 3.7 | |
| 3.75 | | | | | 6.2 | 3.0 | |
| 4.00 | | | | | 5.9 | 2.1 | |
| 4.25 | | | | | 6.1 | 2.9 | |
| 4.50 | | | | | 5.9 | 2.8 | |
| 4.75 | | | | | 5.8 | 2.5 | |

Notes:

Project: SEA

Site: 2275

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

508698 mE
508592 mE

7041979 mN
7041791 mN

Described By: Barry, Earl

Date: 25-Oct-2000

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: Alluvium
Element: levee
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: Grey, DERMOSOL
GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| A11 | 0.00 to 0.08 | Very dark greyish brown (10YR32) moist; sapric light clay; moderate 5-10mm granular structure; moderately moist when sampled; clear to; |
| A2j | 0.08 to 0.55 | Dark greyish brown (10YR42) moist; light medium clay; strong 5-10mm angular blocky structure; few 2-10% medium 2-6mm ferromanganiferous nodules, common 10-20% medium 2-6mm manganiferous soft segregations; moderately moist when sampled; gradual to; |
| B21 | 0.55 to 1.50 | Grey (2.5Y51) moist; common 10-20% medium 5-15mm prominent orange mottles; fine sandy medium heavy clay; moderate 20-50mm subangular blocky structure; few 2-10% medium 2-6mm manganiferous soft segregations; moist when sampled; gradual to; |
| B22 | 1.50 to 2.60 | Grey (2.5Y51) moist; few 2-10% medium 5-15mm prominent orange mottles; medium heavy clay; massive structure; moist when sampled; gradual to; |
| 2C1u | 2.60 to 2.80 | Dark grey (5Y41) moist; sandy light clay; massive structure; wet when sampled; gradual to; |
| 3C2u | 2.80 to 3.90 | Black (5Y2.52) moist; silty light medium clay; few 2-10% other medium pebbles 6-20mm; massive structure; wet when sampled; gradual to; |
| 4D1 | 3.90 to 4.70 | Dark greenish grey (5GY41) moist; fine sandy medium clay; massive structure; moist when sampled; diffuse to; |
| 5D2 | 4.70 to 5.60 | Greenish grey (10Y51) moist; clayey sand; massive structure; moist when sampled; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 5.1 | 3.4 | |
| 0.30 | | | | | 5.3 | 4.3 | |
| 0.60 | | | | | 5.3 | 3.9 | |
| 0.80 | | | | | 5.2 | 3.3 | |
| 1.00 | | | | | 4.8 | 3.4 | |
| 1.25 | | | | | 4.4 | 3.3 | |
| 1.50 | | | | | 4.6 | 3.2 | |
| 1.75 | | | | | 4.4 | 2.9 | |
| 2.00 | | | | | 4.1 | 2.9 | |
| 2.25 | | | | | 4.4 | 3.0 | |
| 2.50 | | | | | 4.2 | 2.4 | |
| 2.75 | | | | | 4.7 | 2.1 | |
| 3.00 | | | | | 4.6 | 2.6 | |
| 3.25 | | | | | 4.5 | 2.6 | |
| 3.50 | | | | | 4.6 | 2.0 | |
| 3.75 | | | | | 4.5 | 1.9 | |
| 4.00 | | | | | 6.4 | 2.9 | |
| 4.25 | | | | | 6.2 | 2.7 | |
| 4.50 | | | | | 5.9 | 3.6 | |
| 4.75 | | | | | 6.2 | 2.9 | |
| 5.00 | | | | | 6.2 | 2.8 | |
| 5.50 | | | | | 6.4 | 3.1 | |

Notes:

Project: SEA

Site: 2276

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

508731 mE
508625 mE

7041803 mN
7041615 mN

Described By: Barry, Earl

Date: 26-Oct-2000

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: Alluvium
Element: scroll plain
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: Epipedal, Grey, VERTOSOL
GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| A11 | 0.00 to 0.20 | Dark greyish brown (10YR42) moist; light clay; moderate 10-20mm subangular blocky structure; few 2-10% medium 2-6mm manganiferous soft segregations, very few <2% medium 2-6mm manganiferous nodules; moderately moist when sampled; gradual to; |
| B21 | 0.20 to 0.80 | Dark grey (10YR41) moist; few 2-10% fine <5mm distinct orange mottles; medium heavy clay; moderate 20-50mm lenticular, moderate 10-20mm subangular blocky structure; moist when sampled; diffuse to; |
| B22 | 0.80 to 1.60 | Very dark greyish brown (10YR32) moist; few 2-10% fine <5mm faint orange, common 10-20% medium 5-15mm faint dark mottles; medium heavy clay; moderate 10-20mm subangular blocky structure; moist when sampled; clear to; |
| B23 | 1.60 to 1.90 | Grey (2.5Y51) moist; few 2-10% medium 5-15mm prominent orange mottles; fine sandy light medium clay; massive structure; moist when sampled; clear to; |
| 2B3 | 1.90 to 2.70 | Greyish brown (2.5Y52) moist; common 10-20% coarse 15-30mm prominent orange mottles; clayey sand; massive structure; wet when sampled; clear to; |
| 3B2 | 2.70 to 3.40 | Grey (5Y51) moist; common 10-20% very coarse >30mm prominent orange mottles; silty medium clay; massive structure; wet when sampled; diffuse to; |
| 4C1 | 3.40 to 4.00 | Dark grey (5Y41) moist; clayey sand; single grain structure; wet when sampled; clear to; |
| 4C2 | 4.00 to 4.80 | Greyish brown (2.5Y53) moist; sand; single grain structure; wet when sampled; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.9 | 4.0 | |
| 0.30 | | | | | 4.9 | 3.1 | |
| 0.60 | | | | | 4.6 | 2.9 | |
| 0.80 | | | | | 4.3 | 2.8 | |
| 1.00 | | | | | 4.3 | 2.6 | |
| 1.25 | | | | | 4.5 | 2.6 | |
| 1.50 | | | | | 4.5 | 3.4 | |
| 1.75 | | | | | 4.4 | 3.2 | |
| 2.00 | | | | | 4.7 | 3.4 | |
| 2.25 | | | | | 4.7 | 4.1 | |
| 2.50 | | | | | 5.5 | 4.3 | |
| 2.75 | | | | | 5.3 | 4.6 | |
| 3.00 | | | | | 5.8 | 3.9 | |
| 3.25 | | | | | 6.0 | 3.7 | |
| 3.50 | | | | | 6.6 | 2.8 | |
| 3.75 | | | | | 6.3 | 2.6 | |
| 4.00 | | | | | 6.5 | 3.2 | |
| 4.25 | | | | | 6.4 | 3.7 | |
| 4.50 | | | | | 6.4 | 3.8 | |
| 4.75 | | | | | 6.3 | 3.8 | |

Notes:

Project: SEA

Site: 2277

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56 508319 mE
ZONE 56 508213 mE

7041726 mN
7041538 mN

Described By: Barry, Earl

Date: 26-Oct-2000

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: Alluvium
Element: levee
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: Grey, DERMOSOL

GSG: No record

PPF: No record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| A11 | 0.00 to 0.25 | Dark greyish brown (10YR42) moist; fine sandy light clay; massive structure; moderately moist when sampled; clear to; |
| B1 | 0.25 to 0.70 | Greyish brown (10YR52) moist; many 20-50% coarse 15-30mm distinct orange mottles; fine sandy light clay; moderate 5-10mm angular blocky structure; moist when sampled; clear to; |
| B21 | 0.70 to 1.20 | Greyish brown (2.5Y52) moist; few 2-10% fine <5mm prominent brown mottles; fine sandy medium heavy clay; weak 5-10mm subangular blocky structure; few 2-10% fine <2mm manganiferous nodules, few 2-10% medium 2-6mm manganiferous soft segregations; moist when sampled; gradual to; |
| B22 | 1.20 to 1.85 | Grey (2.5Y51) moist; common 10-20% medium 5-15mm prominent orange mottles; fine sandy medium heavy clay; massive structure; moist when sampled; clear to; |
| 2B | 1.85 to 2.00 | Brown (10YR43) moist; clayey coarse sand; very few <2% subangular quartz small pebbles 2-6mm; single grain structure; moist when sampled; clear to; |
| 3B | 2.00 to 2.80 | Grey (2.5Y51) moist; common 10-20% medium 5-15mm prominent orange mottles; heavy clay; massive structure; moist when sampled; gradual to; |
| 4B | 2.80 to 3.30 | Greyish brown (2.5Y52) moist; common 10-20% very coarse >30mm prominent orange mottles; fine sandy light clay; massive structure; few 2-10% medium 2-6mm ferruginous nodules; clear to; |
| 5C1u | 3.30 to 3.80 | Dark grey (2.5Y41) moist; silty light medium clay; massive structure; |
| 6D1 | 3.80 to 4.50 | Grey (N60) moist; common 10-20% very coarse >30mm prominent red, few 2-10% coarse 15-30mm distinct orange mottles; sandy medium clay; many 20-50% subrounded sandstone large pebbles 20-60mm; massive structure; few 2-10% coarse 6-20mm ferruginous nodules; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 5.0 | 3.9 | |
| 0.30 | | | | | 5.2 | 3.5 | |
| 0.60 | | | | | 4.8 | 3.5 | |
| 0.80 | | | | | 5.0 | 3.4 | |
| 1.00 | | | | | 4.9 | 3.0 | |
| 1.25 | | | | | 4.6 | 3.2 | |
| 1.50 | | | | | 4.5 | 3.3 | |
| 1.75 | | | | | 4.4 | 3.3 | |
| 2.00 | | | | | 4.7 | 3.5 | |
| 2.25 | | | | | 4.1 | 3.1 | |
| 2.50 | | | | | 4.2 | 2.9 | |
| 2.75 | | | | | 4.0 | 2.9 | |
| 3.00 | | | | | 4.4 | 2.5 | |
| 3.25 | | | | | 4.2 | 1.9 | |
| 3.50 | | | | | 4.2 | 1.9 | |
| 3.75 | | | | | 4.1 | 1.8 | |
| 4.00 | | | | | 4.3 | 2.8 | |
| 4.25 | | | | | 5.5 | 3.7 | |
| 4.50 | | | | | 5.4 | 3.9 | |

Project: SEA

Site: 2278

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56 508439 mE
ZONE 56 508333 mE

7041524 mN
7041336 mN

Described By: Barry, Earl

Date: 26-Oct-2000

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: Alluvium
Element: plain
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: Black, VERTOSOL
GSG: No record

PPF: No record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| A11 | 0.00 to 0.20 | Dark greyish brown (10YR42) moist; light medium clay; few 2-10% medium 2-6mm manganiferous soft segregations; moderately moist when sampled; clear to; |
| B21 | 0.20 to 0.50 | Dark grey (10YR41) moist; few 2-10% medium 5-15mm distinct orange mottles; medium heavy clay; strong 10-20mm angular blocky structure; moderately moist when sampled; gradual to; |
| B22 | 0.50 to 1.30 | Very dark grey (10YR31) moist; few 2-10% medium 5-15mm faint brown mottles; heavy clay; strong 20-50mm lenticular, moderate 10-20mm angular blocky structure; moist when sampled; gradual to; |
| B3 | 1.30 to 1.80 | Grey (2.5Y51) moist; few 2-10% coarse 15-30mm prominent orange mottles; sandy medium heavy clay; massive structure; moist when sampled; gradual to; |
| 2B | 1.80 to 2.20 | Brown (10YR53) moist; few 2-10% coarse 15-30mm prominent orange mottles; heavy sand; single grain structure; moist when sampled; gradual to; |
| 3B | 2.20 to 2.70 | Grey (5Y51) moist; few 2-10% medium 5-15mm prominent orange mottles; sandy light clay; massive structure; very few <2% medium 2-6mm ferruginous nodules; moist when sampled; gradual to; |
| 4B | 2.70 to 3.30 | Greyish brown (2.5Y52) moist; many 20-50% coarse 15-30mm prominent orange, common 10-20% coarse 15-30mm prominent brown mottles; clayey sand; single grain structure; wet when sampled; clear to; |
| 4C1u | 3.30 to 5.40 | Dark greenish grey (5G41) moist; heavy sand; very few <2% angular shell; single grain structure; wet when sampled; diffuse to; |
| 5C2u | 5.40 to 6.00 | Greenish grey (5GY51) moist; heavy coarse sand; very few <2% angular shell; single grain structure; wet when sampled; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.8 | 4.3 | |
| 0.30 | | | | | 4.9 | 3.1 | |
| 0.60 | | | | | 4.9 | 2.5 | |
| 0.80 | | | | | 4.6 | 2.6 | |
| 1.00 | | | | | 4.5 | 2.6 | |
| 1.25 | | | | | 4.4 | 2.8 | |
| 1.50 | | | | | 4.5 | 3.3 | |
| 1.75 | | | | | 4.7 | 3.7 | |
| 2.00 | | | | | 4.8 | 3.5 | |
| 2.25 | | | | | 4.6 | 3.5 | |
| 2.50 | | | | | 5.0 | 3.8 | |
| 2.75 | | | | | 5.1 | 4.0 | |
| 3.00 | | | | | 5.5 | 4.3 | |
| 3.25 | | | | | 5.9 | 4.3 | |
| 3.50 | | | | | 6.4 | 3.5 | |
| 3.75 | | | | | 6.2 | 3.6 | |
| 4.00 | | | | | 6.3 | 3.7 | |
| 4.25 | | | | | 6.5 | 4.1 | |
| 4.50 | | | | | 6.5 | 4.2 | |
| 4.75 | | | | | 6.6 | 4.4 | |
| 5.00 | | | | | 6.8 | 3.7 | |
| 5.50 | | | | | 6.8 | 4.0 | |

Project: SEA

Site: 2279

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

508140 mE
508034 mE

7041574 mN
7041386 mN

Described By: Barry, Earl

Date: 06-Nov-2000

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: Alluvium
Element: levee
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: Brown, KANDOSOL
GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| A1 | 0.00 to 0.15 | Very dark greyish brown (10YR32) moist; fine sandy light clay; massive structure; moist when sampled; clear to; |
| B21 | 0.15 to 0.60 | Brown (10YR53) moist; few 2-10% medium 5-15mm distinct brown mottles; fine sandy light medium clay; massive structure; moist when sampled; gradual to; |
| 2B2 | 0.60 to 1.30 | Greyish brown (10YR52) moist; sandy clay loam; massive structure; moist when sampled; gradual to; |
| 3B2 | 1.30 to 2.40 | Grey (2.5Y61) moist; common 10-20% coarse 15-30mm prominent red, few 2-10% medium 5-15mm prominent orange mottles; heavy clay; massive structure; moist when sampled; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.9 | 3.3 | |
| 0.30 | | | | | 5.2 | 3.7 | |
| 0.60 | | | | | 4.6 | 2.9 | |
| 0.80 | | | | | 4.7 | 3.1 | |
| 1.00 | | | | | 4.7 | 3.3 | |
| 1.25 | | | | | 4.7 | 3.2 | |
| 1.50 | | | | | 4.8 | 3.2 | |
| 1.75 | | | | | 4.8 | 3.2 | |
| 2.00 | | | | | 5.1 | 3.3 | |
| 2.25 | | | | | 4.9 | 3.4 | |

Notes:

Project: SEA

Site: 2280

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

507508 mE
507402 mE

7057731 mN
7057543 mN

Described By: Barry, Earl

Date: 10-Nov-2000

Landscape:

Geology: No record
Landform Pattern: dunefield
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: No record
Element: duneslope
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: Aquic, PODOSOL

GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| S1 | 0.00 to 0.30 | Very dark greyish brown (10YR32) moist; loamy sand; massive structure; moderately moist when sampled; |
| A1 | 0.30 to 0.55 | Very dark grey (10YR31) moist; loamy sand; massive structure; moderately moist when sampled; |
| A2e | 0.55 to 1.20 | White (10YR81) moist; very few <2% fine <5mm prominent orange mottles; sand; single grain structure; moist when sampled; clear to; |
| B21h | 1.20 to 1.70 | Black (10YR21) moist; very few <2% fine <5mm prominent orange mottles; loamy sand; very few <2% angular small pebbles 2-6mm; massive structure; moderately cemented continuous massive organic pan; wet when sampled; gradual to; |
| B22s | 1.70 to 8.40 | Dark brown (7.5YR32) moist; sand; very few <2% angular small pebbles 2-6mm; single grain structure; wet when sampled; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.0 | 2.8 | |
| 0.30 | | | | | 4.7 | 3.1 | |
| 0.60 | | | | | 4.0 | 3.5 | |
| 0.80 | | | | | 4.8 | 4.0 | |
| 1.00 | | | | | 4.5 | 2.6 | |
| 1.25 | | | | | 4.8 | 1.2 | |
| 2.00 | | | | | 5.3 | 2.4 | |
| 2.50 | | | | | 5.5 | 1.7 | |
| 3.00 | | | | | 5.3 | 2.3 | |
| 3.50 | | | | | 5.3 | 1.9 | |
| 4.00 | | | | | 5.4 | 1.8 | |
| 5.00 | | | | | 5.4 | 1.8 | |
| 6.00 | | | | | 5.2 | 2.0 | |
| 7.00 | | | | | 5.1 | 2.0 | |
| 8.00 | | | | | 5.3 | 1.9 | |

Notes:

Project: SEA

Site: 2281

Location: GDA 94 ZONE 56 506926 mE 7056235 mN
Location: AGD 84 ZONE 56 506820 mE 7056047 mN

Described By: Barry, Earl

Date: 10-Nov-2000

Landscape:

Geology: No record

Landform Pattern: alluvial plain

Runoff: No record

Microrelief: No record

Drainage: No record

Surface Coarse Fragments: No record

Surface Condition: No record

Substrate Lithology: Alluvium

Element: swamp

Permeability: No record

Microrelief Component: No record

Slope: No record

Classifications:

ASC: Sulfuric, Redoxic, HYDROSOL

GSG: No record

PPF: No record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| A1 | 0.00 to 0.38 | Black (7.5YR2.51) moist; sapric silty light clay; massive structure; moist when sampled; clear to; |
| 2B21 | 0.38 to 0.65 | Dark grey (10YR41) moist; common 10-20% coarse 15-30mm prominent orange, common 10-20% coarse 15-30mm distinct brown mottles; clay loam, sandy; massive structure; moist when sampled; gradual to; |
| 3C1 | 0.65 to 1.50 | Light brownish grey (2.5Y62) moist; common 10-20% medium 5-15mm faint brown mottles; sand; single grain structure; wet when sampled; gradual to; |
| 3C2u | 1.50 to 2.30 | Dark grey (5Y41) moist; clayey sand; very few <2% angular shell small pebbles 2-6mm; single grain structure; wet when sampled; clear to; |
| 3C3u | 2.30 to 3.60 | Grey (5Y61) moist; sand; very few <2% angular shell small pebbles 2-6mm, few 2-10% subangular charcoal small pebbles 2-6mm; single grain structure; wet when sampled; clear to; |
| 3C4u | 3.60 to 4.10 | Dark grey (2.5Y41) moist; clayey sand; very few <2% angular shell small pebbles 2-6mm; single grain structure; wet when sampled; clear to; |
| 3C5u | 4.10 to 4.80 | Grey (10YR61) moist; sand; single grain structure; wet when sampled; abrupt to; |
| 4B2h | 4.80 to 5.20 | Dark brown (10YR33) moist; loamy sand; massive structure; moderately cemented continuous massive organic pan; wet when sampled; clear to; |
| 4B3 | 5.20 to 5.90 | Very dark grey (10YR31) moist; heavy sand; single grain structure; wet when sampled; clear to; |
| 5D1 | 5.90 to 6.03 | Greyish brown (10YR52) moist; sandy medium clay; massive structure; wet when sampled; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.8 | 2.0 | |
| 0.30 | | | | | 4.6 | 1.7 | |
| 0.60 | | | | | 4.7 | 3.3 | |
| 0.80 | | | | | 5.7 | 2.1 | |
| 1.00 | | | | | 5.8 | 2.3 | |
| 1.25 | | | | | 5.9 | 1.9 | |
| 1.50 | | | | | 5.8 | 2.1 | |
| 1.75 | | | | | 5.8 | 2.0 | |
| 2.00 | | | | | 5.8 | 1.9 | |
| 2.25 | | | | | 5.6 | 1.8 | |
| 2.50 | | | | | 5.8 | 2.0 | |
| 2.75 | | | | | 5.7 | 2.1 | |
| 3.00 | | | | | 5.8 | 2.2 | |
| 3.25 | | | | | 5.8 | 2.0 | |
| 3.50 | | | | | 5.9 | 2.1 | |
| 3.75 | | | | | 5.9 | 2.1 | |
| 4.00 | | | | | 5.9 | 2.1 | |
| 4.25 | | | | | 5.9 | 2.2 | |
| 4.50 | | | | | 5.8 | 2.0 | |
| 4.75 | | | | | 6.1 | 2.0 | |
| 5.00 | | | | | 6.5 | 3.9 | |
| 5.50 | | | | | 6.3 | 2.2 | |
| 6.00 | | | | | 6.4 | 1.8 | |

Notes:

Location remnant Tea-tree swamp

Site on eastern corner of

Project: SEA

Site: 2282

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

502426 mE
502320 mE

7050525 mN
7050337 mN

Described By: Johnston, Philip Leslie Woodford

Date: 16-Nov-2000

Landscape:

Geology: No record

Landform Pattern: alluvial plain

Runoff: No record

Microrelief: No record

Drainage: No record

Surface Coarse Fragments: No record

Surface Condition: No record

Substrate Lithology: No record

Element: backplain

Permeability: No record

Microrelief Component: No record

Slope: No record

Classifications:

ASC: Redoxic, HYDROSOL

GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| A1p | 0.00 to 0.25 | Very dark grey (2.5Y31) moist; very few <2% fine <5mm distinct orange mottles; fine sandy light clay; very few <2% angular charcoal small pebbles 2-6mm; massive structure; wet when sampled; clear to; |
| 2A1 | 0.25 to 0.40 | Black (5Y2.51) moist; sapric silty clay loam; massive structure; wet when sampled; gradual to; |
| 2B2 | 0.40 to 0.90 | Dark grey (2.5Y41) moist; few 2-10% medium 5-15mm distinct orange mottles; light medium clay; massive structure; wet when sampled; abrupt to; |
| 2B3 | 0.90 to 1.00 | Dark grey (10YR41) moist; sandy light clay; very few <2% angular charcoal medium pebbles 6-20mm; massive structure; wet when sampled; abrupt to; |
| 3C1 | 1.00 to 1.25 | Grey (5Y61) moist; clayey sand; massive structure; wet when sampled; |
| 4C2 | 1.25 to 2.10 | Greenish grey (10Y61) moist; sandy light clay; massive structure; wet when sampled; |
| 5D | 2.10 to 3.10 | Grey (2.5Y51) moist; very few <2% fine <5mm faint orange, very few <2% very coarse >30mm faint pale mottles; sandy medium heavy clay; massive structure; wet when sampled; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.05 | | | | | 4.9 | 2.7 | |
| 0.10 | | | | | 5.4 | 2.0 | |
| 0.30 | | | | | 5.1 | 2.5 | |
| 0.60 | | | | | 4.8 | 2.4 | |
| 0.80 | | | | | 4.5 | 2.3 | |
| 0.95 | | | | | 5.0 | 2.8 | |
| 1.10 | | | | | 4.9 | 3.1 | |
| 1.50 | | | | | 5.1 | 3.8 | |
| 1.75 | | | | | 5.0 | 3.8 | |
| 2.00 | | | | | 5.1 | 3.3 | |
| 2.25 | | | | | 5.1 | 3.2 | |
| 2.50 | | | | | 5.1 | 3.3 | |
| 2.75 | | | | | 5.1 | 3.4 | |
| 3.00 | | | | | 4.9 | 3.5 | |

Notes:

Project: SEA

Site: 2283

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

502183 mE
502077 mE

7050786 mN
7050598 mN

Described By: Johnston, Philip Leslie Woodford

Date: 16-Nov-2000

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: Alluvium
Element: levee
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: Brown, KANDOSOL
GSG: No record

PPF: No record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| A11 | 0.00 to 0.38 | Very dark greyish brown (10YR32) moist; very few <2% fine <5mm prominent orange mottles; clay loam, sandy; very few <2% angular charcoal small pebbles 2-6mm; weak 2-5mm granular structure; moderately moist when sampled; gradual to; |
| A12 | 0.38 to 0.65 | Very dark greyish brown (2.5Y32) moist; clay loam, sandy; very few <2% subrounded gravel small pebbles 2-6mm; massive structure; moderately moist when sampled; clear to; |
| B21 | 0.65 to 1.00 | Greyish brown (2.5Y53) moist; few 2-10% coarse 15-30mm distinct orange mottles; coarse sandy clay loam; very few <2% angular charcoal small pebbles 2-6mm; massive structure; wet when sampled; clear to; |
| B3 | 1.00 to 1.15 | Greyish brown (2.5Y53) moist; clayey coarse sand; massive structure; wet when sampled; |
| 2B2 | 1.15 to 1.90 | Grey (5Y61) moist; common 10-20% coarse 15-30mm prominent orange mottles; coarse sandy medium clay; massive structure; wet when sampled; abrupt to; |
| 3C1 | 1.90 to 2.30 | Grey (2.5Y51) moist; silty light clay; massive structure; wet when sampled; abrupt to; |
| 4C2 | 2.30 to 3.40 | Grey (2.5Y51) moist; loamy sand; very few <2% angular charcoal small pebbles 2-6mm; single grain structure; wet when sampled; gradual to; |
| 5C3 | 3.40 to 4.80 | Dark greenish grey (10Y41) moist; silty light clay; very few <2% angular charcoal large pebbles 20-60mm; massive structure; wet when sampled; |
| 6C4 | 4.80 to 5.25 | Dark greenish grey (10Y41) moist; sandy light clay; massive structure; wet when sampled; |
| 7D | 5.25 to 6.00 | Olive (5Y53) moist; few 2-10% medium 5-15mm prominent grey mottles; coarse sandy light medium clay; massive structure; wet when sampled; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.9 | 4.9 | |
| 0.30 | | | | | 5.1 | 5.4 | |
| 0.60 | | | | | 5.1 | 3.7 | |
| 0.80 | | | | | 5.2 | 3.8 | |
| 1.00 | | | | | 5.2 | 3.9 | |
| 1.25 | | | | | 5.0 | 3.6 | |
| 1.50 | | | | | 5.3 | 3.5 | |
| 1.75 | | | | | 5.0 | 2.9 | |
| 2.00 | | | | | 6.0 | 3.1 | |
| 2.25 | | | | | 6.2 | 3.5 | |
| 2.50 | | | | | 6.0 | 2.6 | |
| 2.75 | | | | | 5.6 | 2.6 | |
| 3.25 | | | | | 6.5 | 3.4 | |
| 3.50 | | | | | 6.6 | 2.7 | |
| 3.75 | | | | | 6.6 | 2.5 | |
| 4.00 | | | | | 6.8 | 2.4 | |
| 4.25 | | | | | 6.5 | 2.8 | |
| 4.50 | | | | | 6.7 | 3.7 | |
| 4.75 | | | | | 7.0 | 2.5 | |
| 5.00 | | | | | 6.8 | 2.2 | |
| 5.50 | | | | | 6.8 | 3.2 | |
| 6.00 | | | | | 6.8 | 3.0 | |

Project: SEA **Site:** 2284

Soil Name: No record

Location: GDA 94 **ZONE** 56 **501826 mE** **7050662 mN**
Location: AGD 84 **ZONE** 56 **501720 mE** **7050474 mN**

Described By: Johnston, Philip Leslie Woodford

Date: 16-Nov-2000

Landscape:

Geology: No record

Landform Pattern: alluvial plain

Runoff: No record

Microrelief: No record

Drainage: No record

Surface Coarse Fragments: No record

Surface Condition: No record

Substrate Lithology: Alluvium

Element: plain

Permeability: No record

Microrelief Component: No record

Slope: No record

Classifications:

ASC: Grey, KANDOSOL

GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| A1 | 0.00 to 0.10 | Black (7.5YR2.51) moist; light clay; weak 2-5mm subangular blocky structure; moderately moist when sampled; clear to; |
| B1 | 0.10 to 0.25 | Very dark grey (10YR31) moist; very few <2% fine <5mm distinct orange mottles; medium clay; very few <2% angular charcoal medium pebbles 6-20mm; massive structure; wet when sampled; clear to; |
| B2 | 0.25 to 0.90 | Grey (10YR61) moist; many 20-50% fine <5mm prominent orange mottles; medium clay; very few <2% subrounded quartz small pebbles 2-6mm; massive structure; wet when sampled; gradual to; |
| 2B21 | 0.90 to 2.10 | Grey (10YR61) moist; common 10-20% medium 5-15mm distinct orange, many 20-50% coarse 15-30mm distinct orange mottles; coarse sandy light medium clay; few 2-10% subangular quartz small pebbles 2-6mm, very few <2% angular charcoal small pebbles 2-6mm; massive structure; wet when sampled; gradual to; |
| 2B22 | 2.10 to 2.50 | Grey (N60) moist; very few <2% fine <5mm prominent orange, many 20-50% very coarse >30mm distinct orange mottles; coarse sandy light clay; many 20-50% subangular quartz small pebbles 2-6mm; massive structure; wet when sampled; clear to; |
| 2B23 | 2.50 to 3.30 | Red (2.5YR48) moist; common 10-20% coarse 15-30mm distinct grey, few 2-10% medium 5-15mm faint brown mottles; coarse sandy medium clay; massive structure; wet when sampled; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 5.3 | 3.2 | |
| 0.20 | | | | | 5.4 | 3.5 | |
| 0.30 | | | | | 5.5 | 4.1 | |
| 0.60 | | | | | 5.5 | 3.9 | |
| 0.80 | | | | | 5.5 | 4.0 | |
| 1.00 | | | | | 5.6 | 4.2 | |
| 1.25 | | | | | 5.3 | 3.5 | |
| 1.50 | | | | | 5.2 | 3.4 | |
| 1.75 | | | | | 5.1 | 3.5 | |
| 2.00 | | | | | 5.1 | 3.4 | |
| 2.25 | | | | | 5.1 | 3.0 | |
| 2.50 | | | | | 4.9 | 3.0 | |
| 2.75 | | | | | 4.9 | 3.5 | |
| 3.00 | | | | | 4.9 | 3.3 | |
| 3.25 | | | | | 5.0 | 3.4 | |

Notes:

Location On edge of cane 2m from infilled drain.

Project: SEA

Site: 2285

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56 503066 mE
ZONE 56 502960 mE

7051376 mN
7051188 mN

Described By: Barry, Earl

Date: 22-Nov-2000

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: Alluvium
Element: levee
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: Sulfidic, Oxyaquic, HYDROSOL

GSG: No record

PPF: No record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| A1 | 0.00 to 0.30 | Black (10YR21) moist; silty light clay; massive structure; moist when sampled; |
| B2 | 0.30 to 0.55 | Black (10YR21) moist; medium clay; weak structure; moist when sampled; |
| 2C1 | 0.55 to 0.70 | Dark grey (10YR41) moist; clayey sand; few 2-10% subangular quartz small pebbles 2-6mm; single grain structure; wet when sampled; clear to; |
| 3C2u | 0.70 to 0.90 | Very dark greyish brown (10YR32) moist; silty light clay; very few <2% subangular quartz small pebbles 2-6mm; massive structure; wet when sampled; clear to; |
| 3C3u | 0.90 to 1.20 | Very dark grey (5Y31) moist; few 2-10% medium 5-15mm distinct brown mottles; silty light clay; massive structure; wet when sampled; clear to; |
| 4C4u | 1.20 to 2.20 | Very dark greyish brown (2.5Y32) moist; silty light clay; very few <2% subangular quartz small pebbles 2-6mm; massive structure; wet when sampled; gradual to; |
| 5C5u | 2.20 to 3.60 | Dark grey (2.5Y41) moist; silty light clay; massive structure; wet when sampled; gradual to; |
| 5C6u | 3.60 to 5.90 | Very dark grey (2.5Y31) moist; silty light clay; massive structure; wet when sampled; gradual to; |
| 6C7u | 5.90 to 6.05 | Dark grey (2.5Y41) moist; fine sandy loam; massive structure; wet when sampled; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 5.0 | 1.9 | |
| 0.30 | | | | | 5.4 | 1.7 | |
| 0.50 | | | | | 5.2 | 5.0 | |
| 0.60 | | | | | 5.2 | 3.1 | |
| 0.80 | | | | | 4.5 | 2.1 | |
| 1.00 | | | | | 4.1 | 0.6 | |
| 1.25 | | | | | 4.2 | 0.7 | |
| 1.50 | | | | | 4.4 | 0.7 | |
| 1.75 | | | | | 4.6 | 1.0 | |
| 2.00 | | | | | 5.1 | 0.8 | |
| 2.25 | | | | | 5.1 | 0.9 | |
| 2.50 | | | | | 5.4 | 0.7 | |
| 2.75 | | | | | 5.4 | 0.7 | |
| 3.00 | | | | | 5.4 | 0.7 | |
| 3.25 | | | | | 5.4 | 0.7 | |
| 3.50 | | | | | 5.8 | 0.7 | |
| 3.75 | | | | | 6.3 | 1.0 | |
| 4.00 | | | | | 6.5 | 1.1 | |
| 4.25 | | | | | 6.5 | 1.1 | |
| 4.50 | | | | | 6.7 | 0.9 | |
| 4.75 | | | | | 6.9 | 0.9 | |
| 5.00 | | | | | 7.1 | 1.6 | |
| 5.50 | | | | | 7.2 | 1.7 | |
| 6.00 | | | | | 7.2 | 1.8 | |

Notes:

Location Site over rail line beyond Rafting Ground Road - Kunda Pk.

Project: SEA

Site: 2286

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

504712 mE
504606 mE

7051057 mN
7050869 mN

Described By: Johnston, Philip Leslie Woodford

Date: 23-Nov-2000

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: No record
Element: plain
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: Sulfidic, Oxyaquic, HYDROSOL
GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| S1 | 0.00 to 0.40 | Medium heavy clay; massive structure; wet when sampled; clear to; |
| B21 | 0.40 to 0.60 | Greyish brown (2.5Y52) moist; few 2-10% fine <5mm distinct orange mottles; clay loam, sandy; massive structure; wet when sampled; gradual to; |
| 2B21 | 0.60 to 1.10 | Dark greyish brown (2.5Y42) moist; common 10-20% medium 5-15mm distinct orange mottles; fine sandy light medium clay; very few <2% angular charcoal small pebbles 2-6mm; massive structure; wet when sampled; gradual to; |
| 2B22 | 1.10 to 1.40 | Greenish grey (10Y51) moist; common 10-20% fine <5mm prominent orange, common 10-20% medium 5-15mm distinct orange mottles; fine sandy medium clay; very few <2% angular charcoal small pebbles 2-6mm; massive structure; wet when sampled; clear to; |
| 2B23 | 1.40 to 2.20 | Greenish grey (10Y61) moist; common 10-20% coarse 15-30mm distinct orange mottles; sandy medium clay; massive structure; wet when sampled; |
| 3C1 | 2.20 to 2.40 | Greenish grey (10Y51) moist; very few <2% medium 5-15mm faint orange mottles; coarse sand; single grain structure; wet when sampled; |
| 3C2 | 2.40 to 2.60 | Very dark grey (5Y31) moist; sapric clayey sand; massive structure; wet when sampled; |
| 3C3 | 2.60 to 3.00 | Greenish grey (10Y51) moist; clayey sand; massive structure; wet when sampled; |
| 4C4 | 3.00 to 3.20 | Greenish grey (10Y51) moist; coarse sand; single grain structure; wet when sampled; |
| 5D | 3.20 to 3.30 | Dark greenish grey (5GY41) moist; silty light medium clay; massive structure; wet when sampled; |
| - | 3.30 to 3.50 | Wet when sampled; |

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 5.2 | 3.5 | |
| 0.30 | | | | | 5.2 | 3.8 | |
| 0.38 | | | | | 5.7 | 1.9 | |
| 0.60 | | | | | 6.2 | 3.0 | |
| 0.80 | | | | | 6.0 | 4.2 | |
| 1.00 | | | | | 5.9 | 2.7 | |
| 1.25 | | | | | 5.5 | 2.6 | |
| 1.50 | | | | | 5.3 | 3.4 | |
| 1.75 | | | | | 5.7 | 2.4 | |
| 2.00 | | | | | 6.0 | 2.7 | |
| 2.25 | | | | | 6.1 | 2.0 | |
| 2.50 | | | | | 6.0 | 2.0 | |
| 2.75 | | | | | 6.0 | 1.8 | |
| 3.00 | | | | | 6.2 | 1.6 | |
| 3.25 | | | | | 6.4 | 3.7 | |

Notes:

Project: SEA

Site: 2287

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

503920 mE
503814 mE

7051264 mN
7051076 mN

Described By: Adams, J (Justin)

Date: 28-Nov-2000

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: No record
Element: plain
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: Redoxic, HYDROSOL
GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| Ap | 0.00 to 0.25 | Very dark grey (10YR31) moist; light medium clay; weak 2-5mm granular, weak 2-5mm subangular blocky structure; dry when sampled; gradual to; |
| B21 | 0.25 to 0.50 | Grey (2.5Y51) moist; common 10-20% medium 5-15mm distinct orange mottles; light medium clay; moderate 2-5mm subangular blocky structure; moderately moist when sampled; gradual to; |
| B22 | 0.50 to 0.85 | Dark grey (2.5Y41) moist; common 10-20% medium 5-15mm distinct orange mottles; light medium clay; moderately moist when sampled; diffuse to; |
| B23 | 0.85 to 1.50 | Grey (2.5Y51) moist; common 10-20% medium 5-15mm distinct orange mottles; light clay; weak 2-5mm subangular blocky, massive structure; moist when sampled; gradual to; |
| 2B3 | 1.50 to 1.75 | Dark grey (2.5Y41) moist; few 2-10% fine <5mm distinct yellow jarositic (from pyrite), few 2-10% medium 5-15mm distinct orange mottles; silty light clay; massive structure; few 2-10% coarse 6-20mm ferruginous root linings; moist when sampled; clear to; |
| 2C1 | 1.75 to 2.15 | Grey (2.5Y61) moist; silty clay loam; massive structure; wet when sampled; abrupt to; |
| 3D1 | 2.15 to 2.50 | Light grey (N70) moist; common 10-20% medium 5-15mm distinct orange mottles; sandy light medium clay; massive structure; wet when sampled; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.8 | 3.1 | |
| 0.30 | | | | | 4.8 | 3.3 | |
| 0.60 | | | | | 4.5 | 3.0 | |
| 0.80 | | | | | 4.6 | 2.1 | |
| 1.00 | | | | | 4.5 | 2.6 | |
| 1.25 | | | | | 4.3 | 2.4 | |
| 1.50 | | | | | 4.6 | 2.4 | |
| 1.75 | | | | | 5.4 | 2.2 | |
| 2.00 | | | | | 4.8 | 2.8 | |
| 2.25 | | | | | 4.5 | 2.3 | |
| 2.50 | | | | | 4.5 | 2.5 | |

Notes:

Site Kunda park, east of hill

Project: SEA

Site: 2288

Soil Name: No record

Location: GDA 94 ZONE 56 503615 mE 7051619 mN
Location: AGD 84 ZONE 56 503509 mE 7051431 mN

Described By: Adams, J (Justin)

Date: 28-Nov-2000

Landscape:

Geology: No record **Substrate Lithology:** No record
Landform Pattern: alluvial plain **Element:** backplain
Runoff: No record **Permeability:** No record
Microrelief: No record **Microrelief Component:** No record
Drainage: No record **Slope:** No record
Surface Coarse Fragments: No record
Surface Condition: No record

Classifications:

ASC: HYDROSOL
GSG: No record **PPF:** No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| Ap | 0.00 to 0.35 | Very dark grey (10YR31) moist; light clay; moderate 2-5mm granular structure; moderately moist when sampled; clear to; |
| B21 | 0.35 to 0.50 | Grey (2.5Y51) moist; common 10-20% medium 5-15mm distinct orange mottles; light medium clay; weak 2-5mm subangular blocky structure; moist when sampled; gradual to; |
| B22 | 0.50 to 0.75 | Grey (10YR51) moist; few 2-10% medium 5-15mm distinct orange mottles; light medium clay; moist when sampled; clear to; |
| C1 | 0.75 to 0.85 | Dark grey (10YR41) moist; silty light medium clay; very few <2% angular other small pebbles 2-6mm; wet when sampled; abrupt to; |
| 2C2 | 0.85 to 1.00 | Dark grey (10YR41) moist; clayey sand; wet when sampled; clear to; |
| 2C3 | 1.00 to 1.60 | Greyish brown (2.5Y52) moist; clayey sand; massive structure; wet when sampled; diffuse to; |
| 3C4 | 1.60 to 2.30 | Greyish brown (2.5Y52) moist; few 2-10% medium 5-15mm distinct orange mottles; clayey sand; massive structure; wet when sampled; clear to; |
| 4D7 | 2.30 to 2.60 | Greyish brown (2.5Y53) moist; common 10-20% medium 5-15mm prominent red mottles; sandy light clay; massive structure; moist when sampled; clear to; |
| 5D2 | 2.60 to 2.80 | Light brownish grey (2.5Y63) moist; common 10-20% coarse 15-30mm prominent red mottles; sandy light medium clay; massive structure; moist when sampled; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.4 | 1.9 | |
| 0.30 | | | | | 5.0 | 2.3 | |
| 0.60 | | | | | 5.1 | 3.0 | |
| 0.80 | | | | | 6.1 | 4.0 | |
| 1.00 | | | | | 6.1 | 4.4 | |
| 1.25 | | | | | 5.9 | 1.4 | |
| 1.50 | | | | | 5.8 | 1.6 | |
| 1.75 | | | | | 5.8 | 2.0 | |
| 2.00 | | | | | 6.0 | 2.3 | |
| 2.25 | | | | | 5.9 | 3.2 | |
| 2.50 | | | | | 5.7 | 5.0 | |
| 2.75 | | | | | 5.5 | 5.2 | |

Notes:

Project: SEA

Site: 2289

Soil Name: No record

Location: GDA 94 ZONE 56 503447 mE 7051391 mN
Location: AGD 84 ZONE 56 503341 mE 7051203 mN

Described By: Adams, J (Justin)

Date: 28-Nov-2000

Landscape:

Geology: No record

Landform Pattern: alluvial plain

Runoff: No record

Microrelief: No record

Drainage: No record

Surface Coarse Fragments: No record

Surface Condition: No record

Substrate Lithology: No record

Element: footslope

Permeability: No record

Microrelief Component: No record

Slope: No record

Classifications:

ASC: HYDROSOL

GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| Ap | 0.00 to 0.15 | Very dark grey (10YR31) moist; light sandy clay loam; massive structure; moderately moist when sampled; gradual to; |
| A12 | 0.15 to 0.45 | Very dark grey (7.5YR31) moist; heavy sandy clay loam; massive structure; moist when sampled; gradual to; |
| A13 | 0.45 to 0.70 | Very dark grey (10YR31) moist; sandy clay loam; massive structure; moist when sampled; gradual to; |
| A3 | 0.70 to 1.10 | Dark grey (7.5YR41) moist; sandy clay loam; massive structure; wet when sampled; clear to; |
| B21 | 1.10 to 1.35 | Light brownish grey (10YR62) moist; few 2-10% medium 5-15mm distinct orange mottles; sandy light medium clay; massive structure; wet when sampled; clear to; |
| B22 | 1.35 to 1.50 | Light grey (10YR71) moist; many 20-50% coarse 15-30mm distinct orange mottles; clay loam, sandy; massive structure; wet when sampled; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.3 | 2.1 | |
| 0.30 | | | | | 5.0 | 3.1 | |
| 0.60 | | | | | 5.5 | 2.4 | |
| 0.80 | | | | | 5.3 | 2.5 | |
| 1.00 | | | | | 5.2 | 2.9 | |
| 1.25 | | | | | 5.3 | 2.8 | |
| 1.50 | | | | | 5.2 | 2.9 | |

Notes:

Site Bottom of hill near industrial area

Project: SEA

Site: 2290

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56 502759 mE
ZONE 56 502653 mE

7051179 mN
7050991 mN

Described By: Manders, JA

Date: 16-Nov-2000

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record

Substrate Lithology: No record
Element: plain
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: HYDROSOL
GSG: No record

PPF: No record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| Ap | 0.00 to 0.30 | Very dark greyish brown (10YR32) moist; medium clay; strong 2-5mm angular blocky structure; moderately moist when sampled; gradual to; |
| B2 | 0.30 to 0.60 | Dark grey (10YR41) moist; few 2-10% medium 5-15mm distinct orange mottles; medium heavy clay; massive structure; moderately moist when sampled; clear to; |
| 2B21 | 0.60 to 0.67 | Dark grey (10YR41) moist; common 10-20% coarse 15-30mm prominent orange mottles; coarse sandy medium clay; massive structure; moist when sampled; clear to; |
| 2B22 | 0.67 to 0.73 | Dark grey (10YR41) moist; common 10-20% coarse 15-30mm distinct orange mottles; clay loam, coarse sandy; massive structure; moist when sampled; clear to; |
| 3B2 | 0.73 to 0.85 | Dark greyish brown (10YR42) moist; common 10-20% coarse 15-30mm prominent orange mottles; sand; single grain structure; wet when sampled; clear to; |
| 4B2 | 0.85 to 1.05 | Dark grey (7.5YR41) moist; few 2-10% coarse 15-30mm prominent brown mottles; silty medium clay; massive structure; wet when sampled; abrupt to; |
| 5C1 | 1.05 to 1.35 | Dark grey (10YR41) moist; clay loam, fine sandy; massive structure; wet when sampled; abrupt to; |
| 6C2 | 1.35 to 1.70 | Dark grey (2.5Y41) moist; fibric sandy loam; massive structure; wet when sampled; clear to; |
| 7C3 | 1.70 to 2.00 | Dark grey (10YR41) moist; sandy light clay; massive structure; wet when sampled; abrupt to; |
| 8C4 | 2.00 to 3.00 | Dark grey (2.5Y41) moist; sandy loam; massive structure; wet when sampled; clear to; |
| 8C5 | 3.00 to 4.15 | Grey (2.5Y51) moist; sand; single grain structure; wet when sampled; abrupt to; |
| 8C6 | 4.15 to 4.40 | Reddish black (2.5YR2.51) moist; sandy light medium clay; massive structure; wet when sampled; gradual to; |
| 8C7 | 4.40 to 4.70 | Dark grey (5Y41) moist; sandy loam; single grain structure; wet when sampled; gradual to; |
| 9D1 | 4.70 to 5.00 | Grey (N50) moist; common 10-20% very coarse >30mm distinct grey mottles; medium heavy clay; massive structure; wet when sampled; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.3 | 2.2 | |
| 0.31 | | | | | 4.2 | 2.4 | |
| 0.60 | | | | | 4.2 | 2.5 | |
| 0.80 | | | | | 4.3 | 2.3 | |
| 1.00 | | | | | 4.9 | 2.7 | |
| 1.25 | | | | | 4.9 | 2.4 | |
| 1.50 | | | | | 5.1 | 1.3 | |
| 1.75 | | | | | 4.9 | 1.8 | |
| 2.00 | | | | | 5.2 | 1.9 | |
| 2.50 | | | | | 5.4 | 1.7 | |
| 3.00 | | | | | 5.0 | 1.9 | |
| 3.25 | | | | | 5.5 | 1.9 | |
| 3.50 | | | | | 5.6 | 1.8 | |
| 3.75 | | | | | 5.4 | 1.6 | |
| 4.00 | | | | | 5.8 | 1.4 | |
| 4.25 | | | | | 6.4 | 1.8 | |
| 4.50 | | | | | 6.4 | 2.2 | |
| 4.75 | | | | | 6.8 | 2.8 | |
| 5.00 | | | | | 6.9 | 4.2 | |

Notes: Site

South west of site 528

Project: SEA

Site: 2291

Soil Name: No record

Location: GDA 94 ZONE 56 504759 mE 7051337 mN
 Location: AGD 84 ZONE 56 504653 mE 7051149 mN

Described By: Manders, JA

Date: 23-Nov-2000

Landscape:

Geology: No record
 Landform Pattern: alluvial plain
 Runoff: No record
 Microrelief: No record
 Drainage: No record
 Surface Coarse Fragments: No record
 Surface Condition: No record

Substrate Lithology: Unconsolidated material (unidentified)
 Element: plain
 Permeability: No record
 Microrelief Component: No record
 Slope: 0.8 %

Classifications:

ASC: Redoxic, HYDROSOL
 GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| A1 | 0.00 to 0.15 | Dark brown (10YR33) moist; few 2-10% fine <5mm distinct orange, few 2-10% fine <5mm distinct grey mottles; fine sandy light clay; strong 2-5mm subangular blocky structure; moist when sampled; gradual to; |
| B21 | 0.15 to 0.45 | Dark brown (10YR33) moist; many 20-50% medium 5-15mm prominent grey mottles; fine sandy medium clay; strong 2-5mm subangular blocky structure; moderately moist when sampled; diffuse to; |
| B22 | 0.45 to 0.90 | Brown (10YR43) moist; many 20-50% medium 5-15mm prominent grey mottles; fine sandy light medium clay; weak structure; moist when sampled; gradual to; |
| 2B21 | 0.90 to 1.40 | Grey (10YR51) moist; many 20-50% coarse 15-30mm prominent orange mottles; sandy medium clay; massive structure; wet when sampled; gradual to; |
| 2B22 | 1.40 to 2.30 | Grey (2.5Y51) moist; many 20-50% very coarse >30mm prominent orange, very few <2% medium 5-15mm prominent red mottles; sandy heavy clay; massive structure; wet when sampled; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 5.2 | 2.5 | |
| 0.30 | | | | | 5.9 | 2.8 | |
| 0.60 | | | | | 5.9 | 4.1 | |
| 0.80 | | | | | 5.8 | 4.0 | |
| 1.00 | | | | | 5.6 | 3.2 | |
| 1.25 | | | | | 5.5 | 3.2 | |
| 1.50 | | | | | 5.1 | 3.1 | |
| 1.75 | | | | | 5.1 | 2.8 | |
| 2.00 | | | | | 5.2 | 3.3 | |
| 2.25 | | | | | 5.2 | 3.2 | |

Notes:

Project: SEA

Site: 2292

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

504117 mE
504011 mE

7052099 mN
7051911 mN

Described By: Manders, JA

Date: 23-Nov-2000

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: firm

Substrate Lithology: No record
Element: plain
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: Redoxic, HYDROSOL
GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| Ap | 0.00 to 0.27 | Black (10YR21) moist; clay loam, fine sandy; weak structure; moist when sampled; abrupt to; |
| 2B21 | 0.27 to 0.45 | Dark greyish brown (10YR42) moist; many 20-50% very coarse >30mm distinct orange mottles; sandy clay loam; massive structure; moist when sampled; gradual to; |
| B22ia | 0.45 to 0.60 | Yellowish brown (10YR56) moist; very few <2% medium 5-15mm prominent yellow jarositic (from pyrite), common 10-20% coarse 15-30mm distinct grey mottles; sandy loam; massive structure; moist when sampled; abrupt to; |
| C1u | 0.60 to 1.00 | Dark grey (2.5Y41) moist; light clay; massive structure; wet when sampled; clear to; |
| C2u | 1.00 to 1.50 | Very dark grey (10YR31) moist; silty light clay; massive structure; wet when sampled; diffuse to; |
| C3u | 1.50 to 2.40 | Dark greenish grey (10Y31) moist; silty light clay; very few <2% angular shell large pebbles 20-60mm, few 2-10% angular shell small pebbles 2-6mm; massive structure; wet when sampled; gradual to; |
| 4C4u | 2.40 to 3.40 | Very dark grey (5Y31) moist; silty light clay; few 2-10% angular shell medium pebbles 6-20mm; massive structure; wet when sampled; clear to; |
| 5C5u | 3.40 to 3.50 | Very dark grey (5Y31) moist; clay loam, sandy; very few <2% angular shell medium pebbles 6-20mm; massive structure; wet when sampled; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.1 | 2.8 | |
| 0.30 | | | | | 4.1 | 3.3 | |
| 0.60 | | | | | 3.5 | 3.1 | |
| 0.80 | | | | | 6.1 | 2.1 | |
| 1.00 | | | | | 6.2 | 1.9 | |
| 1.25 | | | | | 6.3 | 1.5 | |
| 1.50 | | | | | 6.4 | 1.7 | |
| 1.75 | | | | | 6.5 | 1.7 | |
| 2.00 | | | | | 6.7 | 1.9 | |
| 2.25 | | | | | 6.9 | 1.9 | |
| 2.50 | | | | | 7.1 | 1.4 | |
| 2.75 | | | | | 7.2 | 1.5 | |
| 3.00 | | | | | 7.4 | 1.4 | |
| 3.25 | | | | | 7.6 | 1.6 | |
| 3.50 | | | | | 7.7 | 1.7 | |

Notes:

Site Just to south of creek/cane. Near flood gate pH 6.0, Ec 10mS/cm

Project: SEA

Site: 2293

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56 503988 mE
ZONE 56 503882 mE

7051811 mN
7051623 mN

Described By: Manders, JA

Date: 23-Nov-2000

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: firm

Substrate Lithology: No record
Element: plain
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: Redoxic, HYDROSOL
GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| Ap | 0.00 to 0.30 | Black (10YR21) moist; medium heavy clay; weak structure; moderately moist when sampled; clear to; |
| B2 | 0.30 to 0.55 | Very dark grey (10YR31) moist; very few <2% medium 5-15mm distinct brown, very few <2% medium 5-15mm distinct brown mottles; medium heavy clay; weak structure; moderately moist when sampled; clear to; |
| 2B21 | 0.55 to 0.65 | Dark grey (10YR41) moist; sandy loam; massive structure; moist when sampled; diffuse to; |
| 2B22 | 0.65 to 0.85 | Grey (2.5Y61) moist; few 2-10% medium 5-15mm distinct brown mottles; clay loam, sandy; massive structure; moist when sampled; clear to; |
| 3B21 | 0.85 to 1.20 | Grey (5Y51) moist; common 10-20% medium 5-15mm prominent brown mottles; light medium clay; massive structure; wet when sampled; clear to; |
| 3B3 | 1.20 to 1.35 | Grey (5Y51) moist; common 10-20% medium 5-15mm prominent brown mottles; light medium clay; few 2-10% angular shell medium pebbles 6-20mm; massive structure; wet when sampled; clear to; |
| 4C1 | 1.35 to 1.50 | Very dark grey (2.5Y31) moist; clay loam, fine sandy; massive structure; wet when sampled; abrupt to; |
| 5C2 | 1.50 to 1.90 | Black (2.5Y21) moist; fine sandy light clay; abundant 50-90% angular shell medium pebbles 6-20mm, very few <2% angular shell medium pebbles 6-20mm; massive structure; wet when sampled; gradual to; |
| 5C3 | 1.90 to 2.70 | Black (2.5Y21) moist; silty light clay; very few <2% angular shell medium pebbles 6-20mm; massive structure; wet when sampled; abrupt to; |
| 5C4 | 2.70 to 3.40 | Very dark grey (2.5Y31) moist; silty light clay; massive structure; wet when sampled; abrupt to; |
| 6D1 | 3.40 to 3.50 | Dark grey (2.5Y41) moist; clayey sand; massive structure; wet when sampled; abrupt to; |
| 7D2 | 3.50 to 3.60 | Dark greyish brown (2.5Y43) moist; common 10-20% coarse 15-30mm prominent red, common 10-20% coarse 15-30mm prominent brown mottles; clay loam, sandy; massive structure; moist when sampled; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 5.1 | 3.2 | |
| 0.31 | | | | | 5.5 | 3.9 | |
| 0.60 | | | | | 6.0 | 4.8 | |
| 0.80 | | | | | 6.0 | 4.7 | |
| 1.00 | | | | | 6.7 | 5.5 | |
| 1.25 | | | | | 6.7 | 5.3 | |
| 1.50 | | | | | 6.8 | 1.5 | |
| 1.75 | | | | | 6.5 | 1.5 | |
| 2.00 | | | | | 6.9 | 1.4 | |
| 2.25 | | | | | 7.0 | 1.1 | |
| 2.50 | | | | | 7.0 | 1.9 | |
| 2.75 | | | | | 7.0 | 1.0 | |
| 3.00 | | | | | 7.0 | 1.1 | |
| 3.25 | | | | | 7.1 | 1.3 | |
| 3.50 | | | | | 6.7 | 1.6 | |

Project: SEA

Site: 2294

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

503929 mE
503823 mE

7051425 mN
7051237 mN

Described By: Manders, JA

Date: 23-Nov-2000

Landscape:

Geology: No record
Landform Pattern: No record
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: No record
Element: No record
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: Redoxic, HYDROSOL
GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| A1 | 0.00 to 0.15 | Very dark greyish brown (10YR32) moist; light clay; massive structure; moist when sampled; gradual to; |
| 2A1 | 0.15 to 0.55 | Black (10YR21) moist; very few <2% fine <5mm faint brown mottles; light medium clay; massive 5-10mm subangular blocky structure; moist when sampled; gradual to; |
| 2A3 | 0.55 to 0.85 | Black (10YR21) moist; very few <2% medium 5-15mm faint brown mottles; silty light medium clay; massive structure; wet when sampled; abrupt to; |
| 2B2 | 0.85 to 1.10 | Grey (N50) moist; few 2-10% medium 5-15mm prominent brown mottles; silty light medium clay; massive structure; wet when sampled; clear to; |
| 3B2 | 1.10 to 1.30 | Grey (N50) moist; very few <2% medium 5-15mm distinct brown mottles; fine sandy light clay; massive structure; wet when sampled; gradual to; |
| 4B2 | 1.30 to 1.60 | Dark grey (5Y41) moist; few 2-10% medium 5-15mm distinct brown mottles; silty light clay; massive structure; wet when sampled; gradual to; |
| 4C1u | 1.60 to 2.50 | Dark grey (5Y41) moist; silty light medium clay; massive structure; wet when sampled; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.7 | 3.1 | |
| 0.30 | | | | | 4.4 | 3.3 | |
| 0.60 | | | | | 5.2 | 2.3 | |
| 0.80 | | | | | 5.8 | 2.2 | |
| 1.00 | | | | | 6.0 | 4.1 | |
| 1.25 | | | | | 6.2 | 2.5 | |
| 1.50 | | | | | 6.2 | 2.4 | |
| 1.75 | | | | | 6.2 | 1.6 | |
| 2.00 | | | | | 6.2 | 1.2 | |
| 2.25 | | | | | 6.2 | 1.4 | |
| 2.50 | | | | | 6.1 | 1.5 | |

Notes:

Site 4m east of creek. HA to 0.6, SA to 2.5 - suction too great

Project: SEA

Site: 2295

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

502994 mE
502888 mE

7050959 mN
7050771 mN

Described By: Adams, J (Justin)

Date: 30-Nov-2000

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: firm

Substrate Lithology: No record
Element: plain
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: HYDROSOL
GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| A1 | 0.00 to 0.15 | Dark greyish brown (10YR42) moist; sandy light clay; massive structure; dry when sampled; gradual to; |
| B21 | 0.15 to 0.45 | Brown (10YR43) moist; coarse sandy clay loam; massive structure; moderately moist when sampled; gradual to; |
| 2B22 | 0.45 to 0.65 | Brown (10YR53) moist; common 10-20% medium 5-15mm distinct brown mottles; sand; massive structure; moist when sampled; abrupt to; |
| 2B23 | 0.65 to 1.35 | Light grey (10YR71) moist; few 2-10% medium 5-15mm distinct orange mottles; coarse sand; single grain structure; wet when sampled; gradual to; |
| 3C1 | 1.35 to 1.65 | Grey (10YR51) moist; sandy clay loam; massive structure; wet when sampled; abrupt to; |
| 4C2 | 1.65 to 3.35 | Dark grey (5Y41) moist; silty light clay; few 2-10% angular shell medium pebbles 6-20mm; massive structure; wet when sampled; clear to; |
| 5C3 | 3.35 to 3.70 | Dark grey (5Y41) moist; silty clay loam; massive structure; wet when sampled; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.5 | 2.7 | |
| 0.30 | | | | | 5.2 | 3.4 | |
| 0.60 | | | | | 5.2 | 4.0 | |
| 0.80 | | | | | 5.4 | 5.3 | |
| 1.00 | | | | | 5.6 | 5.5 | |
| 1.25 | | | | | 5.8 | 5.7 | |
| 1.50 | | | | | 6.6 | 3.9 | |
| 1.75 | | | | | 6.9 | 1.8 | |
| 2.00 | | | | | 7.3 | 1.7 | |
| 2.25 | | | | | 7.4 | 1.8 | |
| 2.50 | | | | | 7.7 | 1.2 | |
| 2.75 | | | | | 7.7 | 1.0 | |
| 3.00 | | | | | 7.7 | 1.0 | |
| 3.25 | | | | | 7.8 | 0.9 | |
| 3.50 | | | | | 7.6 | 0.9 | |
| 3.70 | | | | | 7.6 | 0.8 | |

Notes:

Project: SEA

Site: 2296

Soil Name: No record

Location: GDA 94

ZONE 56

502660 mE

7050800 mN

Location: AGD 84

ZONE 56

502554 mE

7050612 mN

Described By: Adams, J (Justin)

Date: 30-Nov-2000

Landscape:

Geology: No record

Landform Pattern: alluvial plain

Runoff: No record

Microrelief: No record

Drainage: No record

Surface Coarse Fragments: No record

Surface Condition: No record

Substrate Lithology: No record

Element: plain

Permeability: No record

Microrelief Component: No record

Slope: No record

Classifications:

ASC: Redoxic, HYDROSOL

GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| Ap | 0.00 to 0.10 | Very dark greyish brown (10YR32) moist; clay loam; weak, moderate 2-5mm granular structure; dry when sampled; gradual to; |
| A12 | 0.10 to 0.25 | Dark greyish brown (10YR42) moist; light clay; weak 5-10mm subangular blocky structure; moderately moist when sampled; clear to; |
| B21 | 0.25 to 0.50 | Yellowish brown (10YR54) moist; few 2-10% fine <5mm distinct orange mottles; light medium clay; massive structure; moist when sampled; gradual to; |
| 2B21 | 0.50 to 0.75 | Grey (10YR51) moist; few 2-10% medium 5-15mm distinct orange mottles; coarse sandy clay loam; massive structure; moist when sampled; gradual to; |
| 2B22 | 0.75 to 1.30 | Greyish brown (10YR52) moist; few 2-10% medium 5-15mm distinct orange, many 20-50% coarse 15-30mm prominent orange mottles; sand; single grain structure; wet when sampled; abrupt to; |
| 2B23 | 1.30 to 1.40 | Light brownish grey (10YR62) moist; many 20-50% coarse 15-30mm prominent orange mottles; sand; single grain structure; abrupt to; |
| 3C4 | 1.40 to 1.65 | Dark grey (2.5Y41) moist; sandy clay loam; massive structure; clear to; |
| 4C5 | 1.65 to 2.00 | Dark grey (5Y41) moist; few 2-10% fine <5mm distinct brown mottles; silty light clay; massive structure; clear to; |
| 5D1 | 2.00 to 2.40 | Grey (10YR51) moist; few 2-10% medium 5-15mm distinct brown mottles; clay loam, sandy; massive structure; dry when sampled; gradual to; |
| 6D2 | 2.40 to 2.60 | Grey (N60) moist; many 20-50% coarse 15-30mm prominent red mottles; medium heavy clay; massive structure; dry when sampled; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.8 | 3.6 | |
| 0.30 | | | | | 4.6 | 3.3 | |
| 0.60 | | | | | 4.7 | 3.5 | |
| 0.80 | | | | | 4.7 | 3.8 | |
| 1.00 | | | | | 4.7 | 4.1 | |
| 1.25 | | | | | 4.7 | 4.4 | |
| 1.50 | | | | | 6.0 | 2.8 | |
| 1.75 | | | | | 6.5 | 2.0 | |
| 2.00 | | | | | 4.9 | 1.5 | |
| 2.20 | | | | | 6.2 | 2.1 | |
| 2.30 | | | | | 6.3 | 4.1 | |
| 2.50 | | | | | 6.2 | 4.3 | |

Notes:

Project: SEA

Site: 2297

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56 502416 mE
ZONE 56 502310 mE

7050958 mN
7050770 mN

Described By: Adams, J (Justin)

Date: 30-Nov-2000

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: No record
Element: plain
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: HYDROSOL

GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| Ap | 0.00 to 0.10 | Dark brown (10YR33) moist; sandy clay loam; weak 2-5mm granular structure; dry when sampled; |
| B21 | 0.10 to 0.40 | Greyish brown (10YR52) moist; few 2-10% fine <5mm faint orange mottles; sandy clay loam; weak 2-5mm granular structure; dry when sampled; |
| B22 | 0.40 to 0.80 | Grey (10YR61) moist; common 10-20% medium 5-15mm distinct orange mottles; light medium clay; massive 2-5mm subangular blocky structure; moderately moist when sampled; |
| B23 | 0.80 to 1.25 | Light grey (2.5Y71) moist; few 2-10% medium 5-15mm distinct orange mottles; light medium clay; weak 2-5mm subangular blocky structure; moderately moist when sampled; |
| B24 | 1.25 to 1.50 | Grey (2.5Y61) moist; sandy light clay; massive structure; wet when sampled; |
| 2C1 | 1.50 to 2.00 | Light grey (10YR71) moist; sand; single grain structure; |
| 3C2 | 2.00 to 2.20 | Light grey (10YR71) moist; coarse sand; single grain structure; |
| 4C3 | 2.20 to 2.30 | Massive structure; |
| 5C4 | 2.30 to 2.50 | Grey (2.5Y51) moist; coarse sand; single grain structure; |
| 5C5 | 2.50 to 4.05 | Dark grey (5Y41) moist; coarse sand; single grain structure; |
| 6C6 | 4.05 to 4.20 | Dark grey (2.5Y41) moist; silty light clay; massive structure; |
| 7C7 | 4.20 to 4.50 | Grey (2.5Y51) moist; coarse sand; single grain structure; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.3 | 3.2 | |
| 0.30 | | | | | 5.1 | 3.1 | |
| 0.60 | | | | | 4.8 | 3.4 | |
| 0.80 | | | | | 4.8 | 4.3 | |
| 1.00 | | | | | 5.1 | 5.0 | |
| 1.25 | | | | | 5.3 | 3.3 | |
| 1.50 | | | | | 5.5 | 2.7 | |
| 2.00 | | | | | 5.7 | 2.0 | |
| 2.25 | | | | | 5.9 | 2.1 | |
| 2.50 | | | | | 5.9 | 1.8 | |
| 2.75 | | | | | 6.0 | 1.9 | |
| 3.00 | | | | | 6.0 | 1.9 | |
| 3.25 | | | | | 5.9 | 2.1 | |
| 3.50 | | | | | 5.8 | 1.1 | |
| 3.75 | | | | | 5.8 | 1.0 | |
| 4.00 | | | | | 5.8 | 1.0 | |
| 4.20 | | | | | 5.8 | 1.0 | |
| 4.50 | | | | | 5.8 | 0.9 | |

Notes:

Project: SEA

Site: 2298

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

502711 mE
502605 mE

7050933 mN
7050745 mN

Described By: Adams, J (Justin)

Date: 30-Nov-2000

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: No record
Element: plain
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: Redoxic, HYDROSOL
GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| Ap | 0.00 to 0.25 | Very dark greyish brown (10YR32) moist; sandy light clay; massive structure; gradual to; |
| 2B21 | 0.25 to 0.50 | Greyish brown (10YR52) moist; few 2-10% fine <5mm distinct orange mottles; coarse sandy clay loam; massive structure; gradual to; |
| 2B22 | 0.50 to 0.70 | Grey (10YR51) moist; very few <2% fine <5mm distinct orange mottles; coarse sand; single grain structure; abrupt to; |
| 2B23 | 0.70 to 0.90 | Yellowish brown (10YR56) moist; coarse sand; single grain structure; clear to; |
| 2B24 | 0.90 to 1.50 | Light grey (10YR71) moist; coarse sand; single grain structure; clear to; |
| 3C1 | 1.50 to 1.75 | Dark grey (5Y41) moist; coarse sand; single grain structure; abrupt to; |
| 4C2 | 1.75 to 3.00 | Dark grey (5Y41) moist; silty light clay; very few <2% angular shell small pebbles 2-6mm; massive structure; abrupt to; |
| 5D1 | 3.00 to 3.60 | Light grey (N70) moist; common 10-20% medium 5-15mm prominent orange, few 2-10% medium 5-15mm distinct brown mottles; medium clay; massive structure; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.4 | 2.8 | |
| 0.30 | | | | | 4.7 | 3.4 | |
| 0.60 | | | | | 4.8 | 3.4 | |
| 0.80 | | | | | 4.7 | 3.1 | |
| 1.00 | | | | | 4.7 | 5.2 | |
| 1.25 | | | | | 5.3 | 5.3 | |
| 1.50 | | | | | 5.9 | 2.1 | |
| 1.75 | | | | | 6.2 | 1.5 | |
| 2.00 | | | | | 7.0 | 1.7 | |
| 2.25 | | | | | 7.2 | 1.6 | |
| 2.50 | | | | | 7.4 | 1.4 | |
| 2.75 | | | | | 7.3 | 1.5 | |
| 3.00 | | | | | 7.3 | 1.7 | |
| 3.25 | | | | | 7.4 | 2.2 | |
| 3.50 | | | | | 7.4 | 5.9 | |

Notes:

Site Near water course

Project: SEA

Site: 2299

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56 504427 mE
ZONE 56 504321 mE

7051239 mN
7051051 mN

Described By: Adams, J (Justin)

Date: 05-Dec-2000

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: No record
Element: plain
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: Grey, KANDOSOL
GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| A1 | 0.00 to 0.25 | Very dark greyish brown (10YR32) moist; light clay; weak 2-5mm granular structure; dry when sampled; clear to; |
| B21 | 0.25 to 0.50 | Grey (10YR51) moist; few 2-10% medium 5-15mm distinct orange mottles; light medium clay; weak 2-5mm subangular blocky structure; moderately moist when sampled; gradual to; |
| B22 | 0.50 to 1.50 | Grey (10YR51) moist; common 10-20% coarse 15-30mm distinct orange mottles; light medium clay; weak 2-5mm subangular blocky structure; moderately moist when sampled; abrupt to; |
| 2B23ia | 1.50 to 1.65 | Grey (10YR51) moist; common 10-20% coarse 15-30mm distinct orange mottles; light medium clay; weak 2-5mm subangular blocky structure; moist when sampled; gradual to; |
| 2B24 | 1.65 to 1.80 | Very dark grey (10YR31) moist; few 2-10% medium 5-15mm distinct pale mottles; silty light medium clay; weak 2-5mm subangular blocky structure; moist when sampled; clear to; |
| 3B25 | 1.80 to 2.80 | Grey (10YR51) moist; common 10-20% medium 5-15mm distinct orange mottles; sandy medium clay; massive structure; wet when sampled; gradual to; |
| 3B26c | 2.80 to 3.00 | Grey (2.5Y51) moist; few 2-10% fine <5mm distinct orange mottles; sandy medium heavy clay; massive structure; wet when sampled; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 5.4 | 2.9 | |
| 0.30 | | | | | 5.9 | 3.6 | |
| 0.60 | | | | | 5.6 | 3.4 | |
| 0.80 | | | | | 5.4 | 3.2 | |
| 1.00 | | | | | 5.2 | 3.2 | |
| 1.25 | | | | | 5.2 | 3.3 | |
| 1.50 | | | | | 5.1 | 3.2 | |
| 1.60 | | | | | 4.9 | 3.7 | |
| 1.75 | | | | | 5.1 | 3.7 | |
| 2.00 | | | | | 5.2 | 3.7 | |
| 2.50 | | | | | 5.2 | 3.3 | |
| 3.00 | | | | | 5.4 | 3.7 | |

Notes:

Site Dirt road - overgrown with vegetation, Acacia sp. 4m, pine trees 6m, grass 1m.

Project: SEA

Site: 2300

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

504226 mE
504120 mE

7051642 mN
7051454 mN

Described By: Adams, J (Justin)

Date: 05-Dec-2000

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: No record
Element: plain
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: Grey, KANDOSOL
GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| A1 | 0.00 to 0.15 | Very dark greyish brown (10YR32) moist; light clay; moderate 2-5mm granular structure; moderately moist when sampled; gradual to; |
| B21 | 0.15 to 0.60 | Dark grey (2.5Y41) moist; very few <2% medium 5-15mm distinct yellow, few 2-10% medium 5-15mm distinct orange mottles; medium clay; weak 5-10mm subangular blocky structure; moist when sampled; abrupt to; |
| B22 | 0.60 to 0.80 | Grey (N60) moist; common 10-20% medium 5-15mm distinct orange mottles; light medium clay; massive structure; wet when sampled; clear to; |
| B23 | 0.80 to 1.20 | Few 2-10% medium 5-15mm distinct orange mottles; clayey sand; massive structure; wet when sampled; abrupt to; |
| B24 | 1.20 to 1.45 | Few 2-10% medium 5-15mm distinct orange mottles; light medium clay; massive structure; wet when sampled; clear to; |
| 2C1u | 1.45 to 2.30 | Few 2-10% fine <5mm distinct orange mottles; medium clay; few 2-10% angular shell medium pebbles 6-20mm; massive structure; wet when sampled; clear to; |
| 2C2u | 2.30 to 2.60 | Silty light clay; few 2-10% angular shell medium pebbles 6-20mm; massive structure; wet when sampled; clear to; |
| 3C3u | 2.60 to 2.80 | Very dark grey (5Y31) moist; silty light clay; massive structure; wet when sampled; gradual to; |
| 4D1 | 2.80 to 3.00 | Common 10-20% coarse 15-30mm distinct orange, few 2-10% fine <5mm distinct orange |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 5.7 | 3.1 | |
| 0.30 | | | | | 5.1 | 3.7 | |
| 0.60 | | | | | 4.9 | 3.1 | |
| 0.80 | | | | | 5.4 | 3.1 | |
| 1.00 | | | | | 5.8 | 5.1 | |
| 1.25 | | | | | 6.0 | 3.3 | |
| 1.50 | | | | | 6.2 | 1.5 | |
| 1.75 | | | | | 6.3 | 1.8 | |
| 2.00 | | | | | 6.3 | 1.7 | |
| 2.25 | | | | | 6.3 | 2.1 | |
| 2.50 | | | | | 6.5 | 1.6 | |
| 2.75 | | | | | 6.7 | 1.4 | |
| 3.00 | | | | | 6.8 | 2.8 | |

Notes:

Site Between sites 549 and 550

Project: SEA

Site: 2301

Soil Name: No record

Location: GDA 94 ZONE 56 504613 mE 7051466 mN
Location: AGD 84 ZONE 56 504507 mE 7051278 mN

Described By: Adams, J (Justin)

Date: 05-Dec-2000

Landscape:

Geology: No record

Landform Pattern: alluvial plain

Runoff: No record

Microrelief: No record

Drainage: No record

Surface Coarse Fragments: No record

Surface Condition: No record

Substrate Lithology: No record

Element: plain

Permeability: No record

Microrelief Component: No record

Slope: No record

Classifications:

ASC: Grey, KANDOSOL

GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| A3 | 0.00 to 0.25 | Grey (10YR51) moist; very few <2% fine <5mm distinct orange mottles; light light clay; moderate 2-5mm granular, weak 2-5mm subangular blocky structure; moderately moist when sampled; gradual to; |
| B21 | 0.25 to 0.50 | Grey (10YR51) moist; common 10-20% medium 5-15mm distinct orange mottles; heavy light clay; moderate 2-5mm granular, weak 2-5mm subangular blocky structure; moderately moist when sampled; gradual to; |
| B22 | 0.50 to 0.70 | Reddish grey (2.5YR51) moist; common 10-20% medium 5-15mm distinct orange mottles; sandy clay loam; massive structure; moist when sampled; clear to; |
| B23 | 0.70 to 1.10 | Grey (2.5Y51) moist; clayey sand; massive structure; wet when sampled; clear to; |
| B24 | 1.10 to 1.70 | Grey (10YR51) moist; common 10-20% coarse 15-30mm distinct orange mottles; heavy clay; massive structure; wet when sampled; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 5.5 | 3.5 | |
| 0.30 | | | | | 5.5 | 3.0 | |
| 0.60 | | | | | 5.4 | 2.4 | |
| 0.80 | | | | | 5.8 | 2.7 | |
| 1.00 | | | | | 5.6 | 3.2 | |
| 1.25 | | | | | 5.8 | 3.2 | |
| 1.50 | | | | | 5.9 | 3.4 | |
| 1.70 | | | | | 5.5 | 3.3 | |

Notes:

Project: SEA

Site: 2302

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

504887 mE
504781 mE

7051676 mN
7051488 mN

Described By: Adams, J (Justin)

Date: 05-Dec-2000

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: No record
Element: footslope
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: Grey, KANDOSOL
GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| A1 | 0.00 to 0.20 | Dark greyish brown (10YR42) moist; very few <2% fine <5mm faint orange mottles; light clay; moderate 2-5mm granular structure; moderately moist when sampled; clear to; |
| B21 | 0.20 to 0.80 | Dark grey (10YR41) moist; common 10-20% medium 5-15mm distinct orange mottles; light medium clay; weak 2-5mm subangular blocky, moderate 2-5mm granular structure; moderately moist when sampled; gradual to; |
| B22 | 0.80 to 1.40 | Few 2-10% medium 5-15mm distinct orange mottles; sandy clay loam; massive structure; wet when sampled; gradual to; |
| B23 | 1.40 to 2.00 | Few 2-10% medium 5-15mm distinct orange mottles; sandy clay loam; massive structure; wet when sampled; gradual to; |
| B24 | 2.00 to 2.30 | Few 2-10% coarse 15-30mm distinct orange mottles; sandy light clay; massive structure; wet when sampled; gradual to; |
| B25 | 2.30 to 2.50 | Few 2-10% coarse 15-30mm distinct orange mottles; sandy medium heavy clay; massive structure; wet when sampled; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 5.5 | 3.6 | |
| 0.30 | | | | | 6.0 | 4.0 | |
| 0.60 | | | | | 5.0 | 3.3 | |
| 0.80 | | | | | 4.9 | 3.3 | |
| 1.00 | | | | | 6.4 | 3.5 | |
| 1.25 | | | | | 6.1 | 3.1 | |
| 1.50 | | | | | 6.2 | 3.9 | |
| 1.75 | | | | | 6.1 | 3.6 | |
| 2.00 | | | | | 6.2 | 3.9 | |
| 2.25 | | | | | 6.1 | 4.2 | |
| 2.50 | | | | | 5.9 | 3.9 | |

Notes:

Site

Nursery near Eudlo creek. Influenced by fan material. *NS*

Project: SEA

Site: 2303

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

502291 mE
502185 mE

7051018 mN
7050830 mN

Described By: Adams, J (Justin)

Date: 06-Dec-2000

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: No record
Element: plain
Permeability: No record
Microrelief Component: No record
Slope: 1 %

Classifications:

ASC: Grey, KANDOSOL

GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| Ap | 0.00 to 0.20 | Very dark greyish brown (10YR32) moist; light clay; weak 2-5mm granular structure; clear to; |
| B21 | 0.20 to 0.60 | Grey (10YR51) moist; common 10-20% coarse 15-30mm distinct orange mottles; medium clay; weak 2-5mm subangular blocky structure; clear to; |
| B22 | 0.60 to 0.80 | Grey (N60) moist; few 2-10% medium 5-15mm distinct orange mottles; medium clay; massive structure; gradual to; |
| B23 | 0.80 to 1.05 | Grey (10YR61) moist; sandy clay loam; massive structure; clear to; |
| B24 | 1.05 to 1.60 | Grey (2.5Y61) moist; few 2-10% medium 5-15mm distinct red, common 10-20% medium 5-15mm distinct yellow mottles; sandy medium clay; massive structure; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.2 | 1.7 | |
| 0.30 | | | | | 5.4 | 3.6 | |
| 0.60 | | | | | 5.0 | 3.3 | |
| 0.80 | | | | | 5.2 | 3.4 | |
| 1.00 | | | | | 5.0 | 3.4 | |
| 1.25 | | | | | 5.0 | 3.5 | |
| 1.50 | | | | | 5.1 | 3.4 | |

Notes:

Project: SEA

Site: 2304

Location: GDA 94 ZONE 56 502463 mE 7051132 mN
Location: AGD 84 ZONE 56 502357 mE 7050944 mN

Described By: Adams, J (Justin) **Date:** 06-Dec-2000

Landscape:

Geology: No record **Substrate Lithology:** No record
Landform Pattern: alluvial plain **Element:** plain
Runoff: No record **Permeability:** No record
Microrelief: No record **Microrelief Component:** No record
Drainage: No record **Slope:** No record
Surface Coarse Fragments: No record
Surface Condition: No record

Classifications:

ASC: Grey, KANDOSOL
GSG: No record **PPF:** No record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| A1 | 0.00 to 0.15 | Very dark grey (10YR31) dry; clay loam, sandy; weak 2-5mm granular structure; dry when sampled; clear to; |
| B21 | 0.15 to 0.70 | Grey (10YR51) moist; few 2-10% medium 5-15mm distinct orange mottles; sandy medium clay; massive structure; moderately moist when sampled; gradual to; |
| B22 | 0.70 to 0.90 | Grey (10YR51) moist; common 10-20% medium 5-15mm distinct orange mottles; medium clay; massive structure; moist when sampled; clear to; |
| B23 | 0.90 to 1.15 | Grey (10YR51) moist; common 10-20% coarse 15-30mm distinct orange, very few <2% fine <5mm distinct yellow mottles; medium clay; massive structure; wet when sampled; clear to; |
| B24 | 1.15 to 1.40 | Grey (10YR51) moist; very few <2% fine <5mm faint orange mottles; light medium clay; massive structure; wet when sampled; gradual to; |
| 2C1u | 1.40 to 1.75 | Dark greyish brown (10YR42) moist; silty light clay; massive structure; wet when sampled; clear to; |
| 2C2u | 1.75 to 2.30 | Dark grey (10YR41) moist; silty light clay; massive structure; wet when sampled; clear to; |
| 3C3u | 2.30 to 2.50 | Dark grey (2.5Y41) moist; clayey sand; single grain structure; wet when sampled; clear to; |
| 4C4u | 2.50 to 3.00 | Dark grey (2.5Y41) moist; silty light clay; massive structure; wet when sampled; clear to; |
| 4C5u | 3.00 to 3.80 | Dark grey (2.5Y41) moist; sandy clay loam; massive structure; wet when sampled; clear to; |
| 5C6u | 3.80 to 4.50 | Grey (2.5Y61) moist; sand; single grain structure; wet when sampled; gradual to; |
| 6C7u | 4.50 to 5.20 | Dark grey (2.5Y41) moist; silty light clay; massive structure; wet when sampled; gradual to; |
| 6C8u | 5.20 to 5.50 | Dark grey (2.5Y41) moist; silty light clay; massive structure; wet when sampled; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.4 | 2.3 | |
| 0.30 | | | | | 4.8 | 3.1 | |
| 0.60 | | | | | 5.1 | 3.0 | |
| 0.80 | | | | | 4.8 | 3.1 | |
| 1.00 | | | | | 4.6 | 2.9 | |
| 1.25 | | | | | 5.2 | 2.8 | |
| 1.50 | | | | | 5.4 | 0.9 | |
| 1.75 | | | | | 5.4 | 0.9 | |
| 2.00 | | | | | 6.0 | 1.0 | |
| 2.25 | | | | | 6.2 | 1.1 | |
| 2.50 | | | | | 6.4 | 0.7 | |
| 2.75 | | | | | 6.7 | 1.0 | |
| 3.00 | | | | | 6.7 | 1.1 | |
| 3.25 | | | | | 6.7 | 1.2 | |
| 3.50 | | | | | 6.6 | 1.1 | |
| 3.75 | | | | | 6.8 | 1.2 | |
| 4.00 | | | | | 6.8 | 1.4 | |
| 4.25 | | | | | 6.8 | 1.1 | |
| 4.50 | | | | | 6.7 | 0.8 | |
| 5.00 | | | | | 7.1 | 1.2 | |
| 5.50 | | | | | 7.3 | 2.0 | |

Project: SEA

Site: 2305

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56 502547 mE
ZONE 56 502441 mE

7051314 mN
7051126 mN

Described By: Adams, J (Justin)

Date: 06-Dec-2000

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: No record
Element: plain
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: Grey, KANDOSOL
GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| Ap | 0.00 to 0.30 | Very dark greyish brown (10YR32) moist; heavy light clay; weak 2-5mm subangular blocky structure; moderately moist when sampled; gradual to; |
| B21 | 0.30 to 0.70 | Grey (10YR51) moist; common 10-20% medium 5-15mm distinct orange mottles; light medium clay; weak 2-5mm angular blocky structure; moist when sampled; clear to; |
| B22 | 0.70 to 0.95 | Dark grey (2.5Y41) moist; few 2-10% medium 5-15mm distinct orange mottles; light medium clay; weak 2-5mm angular blocky structure; moist when sampled; clear to; |
| B23 | 0.95 to 1.10 | Grey (10YR61) moist; few 2-10% fine <5mm distinct orange mottles; light medium clay; massive structure; moderately moist when sampled; clear to; |
| B24 | 1.10 to 1.30 | Grey (10YR51) moist; very few <2% fine <5mm faint orange mottles; clay loam, sandy; massive structure; moist when sampled; gradual to; |
| B25 | 1.30 to 1.50 | Grey (10YR61) moist; few 2-10% fine <5mm faint orange mottles; sand; massive structure; wet when sampled; gradual to; |
| B26 | 1.50 to 1.75 | Grey (2.5Y61) moist; common 10-20% medium 5-15mm distinct orange mottles; loamy sand; massive structure; wet when sampled; gradual to; |
| B27 | 1.75 to 2.00 | Grey (N60) moist; many 20-50% medium 5-15mm distinct orange mottles; medium clay; massive structure; gradual to; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.6 | 2.2 | |
| 0.30 | | | | | 4.7 | 2.5 | |
| 0.60 | | | | | 4.6 | 3.1 | |
| 0.80 | | | | | 4.5 | 3.1 | |
| 1.00 | | | | | 4.4 | 3.2 | |
| 1.25 | | | | | 4.5 | 3.2 | |
| 1.50 | | | | | 4.7 | 3.7 | |
| 1.75 | | | | | 4.9 | 3.4 | |
| 2.00 | | | | | 5.1 | 3.2 | |

Notes:

Project: SEA

Site: 2306

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

502372 mE
502266 mE

7051398 mN
7051210 mN

Described By: Adams, J (Justin)

Date: 06-Dec-2000

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: No record
Element: plain
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: Grey, KANDOSOL
GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| A1 | 0.00 to 0.20 | Very dark greyish brown (10YR32) moist; medium clay; weak 2-5mm subangular blocky structure; gradual to; |
| B21 | 0.20 to 0.40 | Dark greyish brown (10YR42) moist; few 2-10% fine <5mm distinct orange mottles; light medium clay; moderate 2-5mm subangular blocky structure; clear to; |
| 2C1 | 0.40 to 0.70 | Dark greyish brown (10YR42) moist; clayey coarse sand; massive structure; clear to; |
| 2C2 | 0.70 to 1.05 | Dark yellowish brown (10YR46) moist; coarse sand; single grain structure; diffuse to; |
| 3C3 | 1.05 to 2.00 | Dark grey (7.5YR41) moist; loamy sand; massive structure; |
| 4D1 | 2.00 to 2.60 | Grey (N60) moist; many 20-50% coarse 15-30mm distinct brown mottles; medium heavy clay; massive structure; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.9 | 3.1 | |
| 0.30 | | | | | 5.1 | 3.6 | |
| 0.60 | | | | | 4.9 | 3.4 | |
| 0.80 | | | | | 4.9 | 4.2 | |
| 1.00 | | | | | 5.0 | 3.8 | |
| 1.25 | | | | | 4.6 | 3.9 | |
| 1.50 | | | | | 5.1 | 3.4 | |
| 1.75 | | | | | 5.3 | 2.3 | |
| 2.00 | | | | | 5.7 | 2.0 | |
| 2.25 | | | | | 6.0 | 3.4 | |
| 2.50 | | | | | 5.8 | 3.6 | |

Notes:

Project: SEA **Site:** 2307

Soil Name: No record

Location: GDA 94 **ZONE** 56 **502703 mE** **7051425 mN**
Location: AGD 84 **ZONE** 56 **502597 mE** **7051237 mN**

Described By: Adams, J (Justin)

Date: 07-Dec-2000

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: No record
Element: plain
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: Grey, KANDOSOL

GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| A1 | 0.00 to 0.20 | Very dark grey (10YR31) moist; medium clay; weak 2-5mm granular structure; dry when sampled; gradual to; |
| B21 | 0.20 to 0.30 | Very dark grey (10YR31) moist; few 2-10% fine <5mm distinct orange mottles; medium clay; weak 2-5mm subangular blocky structure; moderately moist when sampled; gradual to; |
| 2C1 | 0.30 to 0.45 | Dark greyish brown (10YR42) moist; loamy coarse sand; single grain structure; moderately moist when sampled; gradual to; |
| 3B22 | 0.45 to 0.70 | Greyish brown (10YR52) moist; few 2-10% fine <5mm distinct orange mottles; coarse sandy light medium clay; massive structure; moist when sampled; gradual to; |
| 3B23 | 0.70 to 0.80 | Dark grey (10YR41) moist; few 2-10% fine <5mm distinct orange mottles; light medium clay; massive structure; wet when sampled; gradual to; |
| 4C1 | 0.80 to 1.30 | Dark grey (2.5Y41) moist; clay loam, sandy; few 2-10% angular charcoal medium pebbles 6-20mm; massive structure; wet when sampled; gradual to; |
| 5D1 | 1.30 to 2.00 | Dark greyish brown (2.5Y43) moist; common 10-20% medium 5-15mm prominent red mottles; medium heavy clay; massive structure; wet when sampled; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.7 | 2.3 | |
| 0.30 | | | | | 6.2 | 3.1 | |
| 0.60 | | | | | 4.9 | 3.6 | |
| 0.80 | | | | | 5.1 | 2.1 | |
| 1.00 | | | | | 5.2 | 1.8 | |
| 1.25 | | | | | 5.4 | 1.4 | |
| 1.50 | | | | | 5.7 | 1.9 | |
| 1.75 | | | | | 5.8 | 2.3 | |
| 2.00 | | | | | 5.9 | 3.6 | |

Notes:

Project: SEA

Site: 2308

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

502520 mE
502414 mE

7051609 mN
7051421 mN

Described By: Adams, J (Justin)

Date: 07-Dec-2000

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: No record
Element: plain
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: Grey, KANDOSOL
GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| A1 | 0.00 to 0.20 | Very dark greyish brown (10YR32) moist; light clay; weak 2-5mm granular structure; dry when sampled; gradual to; |
| B21 | 0.20 to 0.70 | Very dark greyish brown (10YR32) moist; few 2-10% medium 5-15mm distinct orange mottles; fine sandy light medium clay; weak 2-5mm granular structure; moderately moist when sampled; gradual to; |
| B22 | 0.70 to 1.00 | Dark grey (10YR41) moist; few 2-10% medium 5-15mm distinct orange, very few <2% fine <5mm distinct yellow mottles; clay loam, sandy; massive structure; moderately moist when sampled; gradual to; |
| B23 | 1.00 to 1.40 | Dark grey (10YR41) moist; few 2-10% medium 5-15mm distinct orange mottles; fine sandy light medium clay; massive structure; moist when sampled; gradual to; |
| B24 | 1.40 to 1.60 | Grey (10YR51) moist; few 2-10% fine <5mm distinct orange mottles; clay loam, sandy; massive structure; wet when sampled; gradual to; |
| B25 | 1.60 to 1.80 | Grey (N60) moist; common 10-20% coarse 15-30mm prominent orange mottles; sandy light medium clay; massive structure; wet when sampled; gradual to; |
| B26 | 1.80 to 2.00 | Grey (N60) moist; many 20-50% coarse 15-30mm distinct orange, few 2-10% medium 5-15mm distinct red mottles; sandy medium clay; massive structure; wet when |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.8 | 2.6 | |
| 0.30 | | | | | 5.1 | 2.8 | |
| 0.60 | | | | | 5.2 | 3.0 | |
| 0.80 | | | | | 4.8 | 3.0 | |
| 1.00 | | | | | 4.8 | 2.7 | |
| 1.25 | | | | | 4.9 | 2.6 | |
| 1.50 | | | | | 5.3 | 2.8 | |
| 1.75 | | | | | 5.3 | 3.6 | |
| 2.00 | | | | | 5.3 | 3.6 | |

Notes:

Project: SEA

Site: 2309

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

502945 mE
502839 mE

7051575 mN
7051387 mN

Described By: Adams, J (Justin)

Date: 07-Dec-2000

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: No record
Element: plain
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: Oxyaquic, HYDROSOL
GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| S1 | 0.00 to 0.15 | Very dark greyish brown (10YR32) moist; sand; single grain structure; clear to; |
| S2 | 0.15 to 0.35 | Brown (10YR43) moist; sand; single grain structure; clear to; |
| A2 | 0.35 to 0.65 | Brown (10YR43) moist; clayey coarse sand; single grain structure; gradual to; |
| B2 | 0.65 to 1.00 | Dark grey (10YR41) moist; common 10-20% medium 5-15mm distinct orange mottles; light medium clay; massive structure; clear to; |
| 2C1 | 1.00 to 1.80 | Very dark grey (5Y31) moist; silty light clay; massive structure; many 20-50% medium 2-6mm organic (humified) fragments; gradual to; |
| 2C2 | 1.80 to 2.40 | Very dark grey (5Y31) moist; clay loam, sandy; massive structure; abrupt to; |
| 3C3 | 2.40 to 3.30 | Dark grey (5Y41) moist; sand; single grain structure; clear to; |
| 4C4 | 3.30 to 3.60 | Very dark grey (5Y31) moist; silty light clay; few 2-10% organic (humified) fragments; clear to; |
| 4C5 | 3.60 to 3.90 | Grey (2.5Y51) moist; silty light clay; clear to; |
| 5D1 | 3.90 to 4.30 | Greenish grey (10Y51) moist; few 2-10% medium 5-15mm distinct brown mottles; silty medium clay; gradual to; |
| 5D2 | 4.30 to 4.75 | Greenish grey (10Y51) moist; common 10-20% medium 5-15mm distinct brown mottles; medium clay; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.8 | 2.3 | |
| 0.30 | | | | | 4.3 | 3.2 | |
| 0.60 | | | | | 3.6 | 2.7 | |
| 0.80 | | | | | 3.4 | 2.3 | |
| 1.00 | | | | | 3.3 | 1.3 | |
| 1.25 | | | | | 4.7 | 1.5 | |
| 1.50 | | | | | 5.3 | 1.7 | |
| 1.75 | | | | | 5.5 | 2.3 | |
| 2.00 | | | | | 5.5 | 1.4 | |
| 2.25 | | | | | 5.6 | 1.4 | |
| 2.50 | | | | | 5.5 | 1.3 | |
| 2.75 | | | | | 5.6 | 1.5 | |
| 3.00 | | | | | 5.5 | 1.7 | |
| 3.25 | | | | | 5.2 | 1.9 | |
| 3.50 | | | | | 5.9 | 1.6 | |
| 3.75 | | | | | 6.1 | 1.9 | |
| 4.00 | | | | | 6.4 | 3.0 | |
| 4.25 | | | | | 6.8 | 2.8 | |
| 4.50 | | | | | 7.0 | 5.1 | |
| 4.75 | | | | | 6.2 | 4.7 | |

Notes:

Project: SEA

Site: 2310

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

503095 mE
502989 mE

7051834 mN
7051646 mN

Described By: Adams, J (Justin)

Date: 07-Dec-2000

Landscape:

Geology: No record
Landform Pattern: No record
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: No record
Element: No record
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: Sulfuric, Redoxic, HYDROSOL
GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| Ap | 0.00 to 0.30 | Black (10YR21) moist; very few <2% fine <5mm faint orange mottles; sandy light clay; weak 2-5mm granular structure; gradual to; |
| B21 | 0.30 to 0.50 | Very dark greyish brown (10YR32) moist; few 2-10% fine <5mm distinct orange mottles; coarse sand; single grain structure; No decode(g) when sampled; |
| B22 | 0.50 to 0.70 | Dark grey (10YR41) moist; few 2-10% medium 5-15mm distinct brown mottles; sandy light clay; massive structure; clear to; |
| 2C1 | 0.70 to 1.10 | Very dark grey (5Y31) moist; silty light clay; massive structure; |
| 3C3 | 1.10 to 1.70 | Very dark grey (5Y31) moist; clayey coarse sand; massive structure; gradual to; |
| 4C4 | 1.70 to 3.50 | Very dark grey (5Y31) moist; coarse sand; single grain structure; gradual to; |
| 5C5 | 3.50 to 4.70 | Very dark grey (5Y31) moist; silty light clay; few 2-10% angular shell medium pebbles 6-20mm; massive structure; few 2-10% organic (humified) fragments; clear to; |
| 5C6 | 4.70 to 5.30 | Very dark grey (5Y31) moist; silty light clay; few 2-10% angular shell medium pebbles 6-20mm; massive structure; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 3.6 | 2.0 | |
| 0.30 | | | | | 3.6 | 2.1 | |
| 0.60 | | | | | 4.8 | 3.3 | |
| 0.80 | | | | | 4.9 | 2.6 | |
| 1.00 | | | | | 6.1 | 1.8 | |
| 1.25 | | | | | 6.2 | 1.7 | |
| 1.50 | | | | | 6.5 | 1.9 | |
| 1.75 | | | | | 6.8 | 1.8 | |
| 2.00 | | | | | 7.0 | 1.7 | |
| 2.25 | | | | | 6.8 | 1.6 | |
| 2.50 | | | | | 6.6 | 1.6 | |
| 2.75 | | | | | 6.6 | 1.7 | |
| 3.00 | | | | | 6.4 | 1.8 | |
| 3.25 | | | | | 5.8 | 1.6 | |
| 3.50 | | | | | 6.6 | 1.6 | |
| 3.75 | | | | | 6.8 | 1.8 | |
| 4.00 | | | | | 6.5 | 1.8 | |
| 4.25 | | | | | 6.9 | 1.8 | |
| 4.50 | | | | | 6.9 | 1.6 | |
| 4.75 | | | | | 6.9 | 1.5 | |
| 5.00 | | | | | 6.9 | 2.0 | |
| 5.25 | | | | | 6.6 | 1.8 | |

Notes:

Project: SEA

Site: 2311

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

506165 mE
506059 mE

7058248 mN
7058060 mN

Described By: Manders, JA

Date: 12-Dec-2000

Landscape:

Geology: No record
Landform Pattern: No record
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: No record
Element: No record
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: Sulfuric, Redoxic, HYDROSOL

GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| Ap | 0.00 to 0.20 | Black (10YR21) moist; clay loam, fine sandy; moderate 2-5mm angular blocky structure; dry when sampled; abrupt to; |
| A12 | 0.20 to 0.40 | Black (10YR21) moist; light clay; strong 2-5mm angular blocky structure; moderately moist when sampled; clear to; |
| B2 | 0.40 to 0.60 | Dark grey (10YR41) moist; many 20-50% coarse 15-30mm prominent orange mottles; medium clay; very few <2% subangular metamorphic rock (unidentified) cobbles 60-200mm, very few <2% subangular quartz sandstone large pebbles 20-60mm; massive structure; moist when sampled; gradual to; |
| 2B2 | 0.60 to 0.70 | Dark grey (5Y41) moist; common 10-20% coarse 15-30mm distinct brown mottles; sandy clay loam; massive structure; wet when sampled; |
| 2C1 | 0.70 to 1.50 | Dark grey (5Y41) moist; loamy sand; single grain structure; wet when sampled; abrupt to; |
| 3Bh | 1.50 to 1.90 | Black (10YR20) moist; sandy loam; massive structure; moderately moist when sampled; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.3 | 2.9 | |
| 0.30 | | | | | 5.0 | 3.1 | |
| 0.60 | | | | | 5.2 | 2.9 | |
| 0.80 | | | | | 7.1 | 4.1 | |
| 1.00 | | | | | 6.7 | 2.4 | |
| 1.25 | | | | | 6.5 | 2.3 | |
| 1.50 | | | | | 5.7 | 1.6 | |
| 1.75 | | | | | 5.5 | 1.9 | |
| 1.90 | | | | | 5.5 | 2.2 | |

Notes:

Project: SEA

Site: 2312

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

506597 mE
506491 mE

7058414 mN
7058226 mN

Described By: Manders, JA

Date: 12-Dec-2000

Landscape:

Geology: No record
Landform Pattern: No record
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: No record
Element: No record
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: Sulfuric, Redoxic, HYDROSOL

GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| Ap | 0.00 to 0.20 | Black (10YR21) moist; clay loam, fine sandy; moderate 2-5mm subangular blocky structure; gradual to; |
| A12 | 0.20 to 0.40 | Black (10YR21) moist; very few <2% medium 5-15mm faint brown mottles; sandy light clay; moderate 2-5mm subangular blocky structure; clear to; |
| B2 | 0.40 to 0.60 | Dark grey (10YR41) moist; many 20-50% coarse 15-30mm prominent orange mottles; sandy medium clay; massive structure; diffuse to; |
| 2C1 | 0.60 to 1.20 | Grey (5Y61) moist; many 20-50% very coarse >30mm prominent grey mottles; sandy clay loam; massive structure; clear to; |
| 3C2 | 1.20 to 2.10 | Dark grey (5Y41) moist; sandy light medium clay; massive structure; wet when sampled; |
| 3C3 | 2.10 to 2.50 | Very dark grey (5Y31) moist; silty medium clay; massive structure; wet when sampled; |
| 3C4 | 2.50 to 4.30 | Very dark grey (5Y31) moist; silty medium clay; few 2-10% angular shell medium pebbles 6-20mm; massive structure; wet when sampled; |
| 4C5 | 4.30 to 4.60 | Very dark grey (2.5Y31) moist; sandy light medium clay; massive structure; wet when sampled; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.2 | 2.7 | |
| 0.30 | | | | | 4.4 | 2.2 | |
| 0.60 | | | | | 4.6 | 3.4 | |
| 0.80 | | | | | 6.2 | 5.1 | |
| 1.00 | | | | | 6.6 | 4.7 | |
| 1.25 | | | | | 6.7 | 1.9 | |
| 1.50 | | | | | 6.8 | 1.9 | |
| 1.75 | | | | | 6.8 | 2.0 | |
| 2.00 | | | | | 7.2 | 2.4 | |
| 2.25 | | | | | 7.2 | 1.7 | |
| 2.50 | | | | | 7.1 | 1.8 | |
| 2.75 | | | | | 7.0 | 2.2 | |
| 3.00 | | | | | 7.2 | 1.9 | |
| 3.25 | | | | | 7.0 | 2.3 | |
| 3.50 | | | | | 6.9 | 2.1 | |
| 3.75 | | | | | 6.8 | 2.1 | |
| 4.00 | | | | | 7.1 | 1.6 | |
| 4.25 | | | | | 7.0 | 2.4 | |
| 4.50 | | | | | 6.8 | 1.8 | |

Notes:

Project: SEA

Site: 2313

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56 507076 mE
ZONE 56 506970 mE

7058485 mN
7058297 mN

Described By: Manders, JA

Date: 12-Dec-2000

Landscape:

Geology: No record
Landform Pattern: No record
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: No record
Element: No record
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: Sulfuric, Redoxic, HYDROSOL

GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| Ap | 0.00 to 0.55 | Black (10YR21) moist; clay loam, fine sandy; weak 2-5mm angular blocky structure; moderately moist when sampled; clear to; |
| B21 | 0.55 to 0.75 | Grey (10YR51) moist; many 20-50% coarse 15-30mm prominent orange mottles; medium clay; massive structure; moist when sampled; clear to; |
| B22 | 0.75 to 0.90 | Grey (2.5Y61) moist; few 2-10% medium 5-15mm distinct brown mottles; sandy light medium clay; massive structure; wet when sampled; abrupt to; |
| C1 | 0.90 to 1.50 | Very dark grey (5Y31) moist; sandy light medium clay; massive structure; wet when sampled; |
| C2 | 1.50 to 2.60 | Very dark grey (5Y31) moist; silty medium clay; massive structure; wet when sampled; gradual to; |
| C3 | 2.60 to 3.75 | Very dark grey (5Y31) moist; sandy clay loam; massive structure; wet when sampled; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 3.9 | 3.2 | |
| 0.30 | | | | | 4.4 | 1.9 | |
| 0.60 | | | | | 4.6 | 2.8 | |
| 0.80 | | | | | 4.6 | 3.0 | |
| 1.00 | | | | | 5.4 | 2.4 | |
| 1.25 | | | | | 5.4 | 1.6 | |
| 1.50 | | | | | 5.5 | 1.7 | |
| 1.75 | | | | | 5.9 | 2.5 | |
| 2.00 | | | | | 6.0 | 1.8 | |
| 2.25 | | | | | 6.0 | 1.7 | |
| 2.50 | | | | | 6.0 | 1.9 | |
| 2.75 | | | | | 5.6 | 1.8 | |
| 3.00 | | | | | 5.9 | 1.8 | |
| 3.25 | | | | | 5.8 | 1.8 | |
| 3.50 | | | | | 5.8 | 1.8 | |
| 3.75 | | | | | 5.8 | 2.0 | |

Notes:

Vegetation Low elevation, stunted cane growth

Project: SEA

Site: 2314

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

507130 mE
507024 mE

7058276 mN
7058088 mN

Described By: Manders, JA

Date: 12-Dec-2000

Landscape:

Geology: No record
Landform Pattern: No record
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: No record
Element: No record
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: Sulfuric, Redoxic, HYDROSOL

GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| Ap | 0.00 to 0.25 | Black (10YR21, 10YR21) moist; clay loam, sandy; weak 2-5mm angular blocky structure; dry when sampled; clear to; |
| B21 | 0.25 to 0.35 | Black (10YR21) moist; common 10-20% coarse 15-30mm prominent brown mottles; sandy light clay; weak 5-10mm angular blocky structure; moist when sampled; clear to; |
| B22 | 0.35 to 0.50 | Very dark greyish brown (10YR32) moist; few 2-10% medium 5-15mm distinct brown mottles; sandy clay loam; massive structure; wet when sampled; clear to; |
| 2Ae | 0.50 to 0.90 | Light grey (10YR71) moist; very few <2% fine <5mm faint orange mottles; sand; single grain structure; wet when sampled; gradual to; |
| 2B21 | 0.90 to 1.50 | Dark greyish brown (10YR42) moist; loamy sand; single grain structure; wet when sampled; gradual to; |
| 2B22h | 1.50 to 1.70 | Black (10YR21) moist; loamy sand; massive structure; wet when sampled; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 5.7 | 3.3 | |
| 0.30 | | | | | 4.4 | 2.9 | |
| 0.60 | | | | | 5.8 | 4.6 | |
| 0.80 | | | | | 5.1 | 4.3 | |
| 1.00 | | | | | 4.7 | 3.4 | |
| 1.25 | | | | | 4.7 | 2.9 | |
| 1.50 | | | | | 4.5 | 2.0 | |
| 1.70 | | | | | 4.9 | | |

Notes:

Site Upper level of depression near road leading to house

Project: SEA

Site: 2315

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

506765 mE
506659 mE

7058481 mN
7058293 mN

Described By: Manders, JA

Date: 13-Dec-2000

Landscape:

Geology: No record
Landform Pattern: No record
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: No record
Element: No record
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: Sulfuric, Redoxic, HYDROSOL

GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| Ap | 0.00 to 0.25 | Black (10YR21) moist; clay loam, fine sandy; moderate 2-5mm angular blocky structure; |
| B21 | 0.25 to 0.40 | Dark greyish brown (10YR42) moist; common 10-20% medium 5-15mm prominent orange, many 20-50% coarse 15-30mm distinct dark mottles; sandy medium clay; weak 2-5mm angular blocky structure; |
| B22 | 0.40 to 0.60 | Dark greyish brown (10YR42) moist; few 2-10% coarse 15-30mm distinct orange mottles; sandy clay loam; massive structure; |
| B3 | 0.60 to 1.20 | Greyish brown (10YR52) moist; common 10-20% coarse 15-30mm distinct orange mottles; clayey sand; massive structure; |
| C1u | 1.20 to 2.20 | Dark grey (2.5Y41) moist; clayey sand; single grain structure; |
| 2C2u | 2.20 to 2.95 | Dark greyish brown (10YR42) moist; clayey sand; single grain structure; |
| 2B2h | 2.95 to 3.05 | Black (10YR21) moist; loamy sand; massive structure; moderately cemented continuous massive organic pan; |
| 2C3 | 3.05 to 3.20 | Light brownish grey (10YR62) moist; sand; single grain structure; |

Described By: Manders, JA

Date: 13-Dec-2000

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.2 | 2.0 | |
| 0.30 | | | | | 4.7 | 3.3 | |
| 0.60 | | | | | 5.4 | 4.5 | |
| 0.80 | | | | | 5.4 | 4.9 | |
| 1.00 | | | | | 5.2 | 4.6 | |
| 1.25 | | | | | 5.4 | 1.8 | |
| 1.50 | | | | | 5.6 | 1.8 | |
| 1.75 | | | | | 5.5 | 2.0 | |
| 2.00 | | | | | 5.5 | 2.1 | |
| 2.25 | | | | | 5.9 | 2.0 | |
| 2.50 | | | | | 5.8 | 2.2 | |
| 2.75 | | | | | 5.7 | 2.3 | |
| 3.00 | | | | | 5.5 | 2.6 | |
| 3.20 | | | | | 5.6 | 2.1 | |

Notes:

Project: SEA

Site: 2316

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

506875 mE
506769 mE

7058223 mN
7058035 mN

Described By: Manders, JA

Date: 13-Dec-2000

Landscape:

Geology: No record
Landform Pattern: No record
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: No record
Element: No record
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: Sulfuric, Redoxic, HYDROSOL

GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| Ap | 0.00 to 0.35 | Black (10YR21) moist; clay loam, sandy; weak 2-5mm angular blocky structure; diffuse to; |
| B2 | 0.35 to 0.65 | Dark greyish brown (10YR42) moist; common 10-20% medium 5-15mm prominent orange mottles; sandy clay loam; massive structure; diffuse to; |
| C1 | 0.65 to 1.20 | Greyish brown (2.5Y52) moist; loamy sand; single grain structure; wet when sampled; clear to; |
| 2Ae | 1.20 to 1.80 | White (10YR82) moist; sand; single grain structure; wet when sampled; abrupt to; |
| 2Bh | 1.80 to 2.40 | Black (10YR21) moist; loamy sand; massive structure; weakly cemented continuous massive organic pan; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 5.3 | 3.2 | |
| 0.30 | | | | | 4.1 | 3.1 | |
| 0.60 | | | | | 4.0 | 3.4 | |
| 0.80 | | | | | 4.0 | 3.3 | |
| 1.00 | | | | | 3.9 | 3.9 | |
| 1.25 | | | | | 4.3 | 4.1 | |
| 1.50 | | | | | 5.6 | 4.1 | |
| 1.75 | | | | | 4.6 | 2.0 | |
| 2.00 | | | | | 4.6 | 2.1 | |
| 2.25 | | | | | 4.8 | 1.9 | |

Notes:

Project: SEA

Site: 2317

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56 506867 mE
ZONE 56 506761 mE

7058887 mN
7058699 mN

Described By: Manders, JA

Date: 13-Dec-2000

Landscape:

Geology: No record
Landform Pattern: No record
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: No record
Element: No record
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: Aquic, PODOSOL

GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| Ap | 0.00 to 0.40 | Black (10YR21) moist; light clay loam, fine sandy; weak 2-5mm angular blocky structure; moderately moist when sampled; |
| B21 | 0.40 to 0.60 | Dark greyish brown (10YR42) moist; many 20-50% coarse 15-30mm prominent brown, very few <2% medium 5-15mm prominent orange mottles; sandy clay loam; massive structure; moist when sampled; |
| B22 | 0.60 to 1.00 | Greyish brown (10YR52) moist; common 10-20% coarse 15-30mm prominent orange mottles; loamy sand; massive structure; moist when sampled; |
| C1 | 1.00 to 2.40 | Light grey (10YR72) moist; sand; single grain structure; wet when sampled; |
| C2 | 2.40 to 3.40 | Very dark greyish brown (10YR32) moist; sand; single grain structure; wet when sampled; |
| Bh | 3.40 to 3.60 | Black (10YR20) moist; loamy sand; massive structure; moderately cemented continuous massive organic pan; wet when sampled; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 3.9 | 2.1 | |
| 0.30 | | | | | 4.0 | 2.3 | |
| 0.60 | | | | | 4.0 | 3.0 | |
| 0.80 | | | | | 3.9 | 2.8 | |
| 1.00 | | | | | 3.9 | 2.9 | |
| 1.25 | | | | | 3.9 | 1.8 | |
| 1.50 | | | | | 4.3 | 1.5 | |
| 1.75 | | | | | 4.7 | 1.4 | |
| 2.00 | | | | | 4.7 | 1.3 | |
| 2.25 | | | | | 4.5 | 1.3 | |
| 2.50 | | | | | 4.8 | 1.3 | |
| 2.75 | | | | | 4.5 | 1.3 | |
| 3.00 | | | | | 4.6 | 3.6 | |
| 3.25 | | | | | 4.7 | 2.9 | |
| 3.50 | | | | | 4.8 | 2.6 | |

Notes:

Project: SEA

Site: 2318

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56 506526 mE
ZONE 56 506420 mE

7056929 mN
7056741 mN

Described By: Manders, JA

Date: 14-Dec-2000

Landscape:

Geology: No record
Landform Pattern: No record
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: No record
Element: No record
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: Sulfuric, Redoxic, HYDROSOL

GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| A1 | 0.00 to 0.25 | Black (10YR21) moist; clay loam, sandy; weak 2-5mm angular blocky structure; moderately moist when sampled; gradual to; |
| B21 | 0.25 to 0.40 | Dark greyish brown (10YR42) moist; common 10-20% medium 5-15mm prominent brown, common 10-20% medium 5-15mm prominent orange mottles; sandy clay loam; massive structure; moist when sampled; diffuse to; |
| B22i | 0.40 to 0.65 | Greyish brown (10YR52) moist; common 10-20% coarse 15-30mm prominent brown mottles; clayey sand; massive structure; moist when sampled; clear to; |
| B23i | 0.65 to 1.00 | Light brownish grey (10YR62) moist; very few <2% coarse 15-30mm prominent brown mottles; loamy sand; single grain structure; wet when sampled; clear to; |
| B24ia | 1.00 to 1.05 | Grey (10YR51) moist; very few <2% medium 5-15mm prominent brown, very few <2% medium 5-15mm prominent yellow mottles; sand; single grain structure; wet when sampled; clear to; |
| C1 | 1.05 to 1.20 | Grey (10YR51) moist; sand; massive structure; wet when sampled; gradual to; |
| 2C2 | 1.20 to 1.75 | Dark grey (2.5Y41) moist; common 10-20% coarse 15-30mm prominent brown mottles; sandy light clay; massive structure; wet when sampled; clear to; |
| 3C4 | 1.75 to 2.00 | Dark grey (5Y41) moist; clay loam, sandy; massive structure; wet when sampled; clear to; |
| 3C4 | 2.00 to 2.40 | Dark grey (5Y41) moist; clayey sand; common 10-20% angular shell medium pebbles 6-20mm; massive structure; wet when sampled; clear to; |
| 3C5 | 2.40 to 2.80 | Dark grey (5Y41) moist; loamy sand; massive structure; wet when sampled; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.2 | 2.8 | |
| 0.30 | | | | | 4.5 | 3.1 | |
| 0.60 | | | | | 4.0 | 2.8 | |
| 0.80 | | | | | 3.6 | 3.0 | |
| 1.02 | | | | | 3.7 | 2.8 | |
| 1.20 | | | | | 5.8 | 2.0 | |
| 1.50 | | | | | 6.0 | 2.3 | |
| 1.75 | | | | | 5.9 | 1.6 | |
| 2.00 | | | | | 6.4 | 3.3 | |
| 2.25 | | | | | 6.5 | 2.3 | |
| 2.50 | | | | | 6.3 | 2.1 | |
| 2.75 | | | | | 6.0 | 1.8 | |

Notes:

Project: SEA

Site: 2319

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56 506266 mE
ZONE 56 506160 mE

7057004 mN
7056816 mN

Described By: Manders, JA

Date: 14-Dec-2000

Landscape:

Geology: No record
Landform Pattern: No record
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: No record
Element: No record
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: Sulfuric, Redoxic, HYDROSOL

GSG: No record

PPF: No record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| Ap | 0.00 to 0.15 | Black (10YR21) moist; light clay; weak 2-5mm granular structure; dry when sampled; gradual to; |
| B21 | 0.15 to 0.50 | Dark greyish brown (10YR42) moist; common 10-20% medium 5-15mm distinct dark, few 2-10% medium 5-15mm prominent brown mottles; medium clay; massive structure; moist when sampled; |
| B22 | 0.50 to 0.75 | Greyish brown (2.5Y52) moist; common 10-20% medium 5-15mm prominent orange mottles; medium clay; massive structure; moist when sampled; |
| 2B21 | 0.75 to 0.90 | Greyish brown (2.5Y52) moist; few 2-10% medium 5-15mm prominent orange mottles; sandy light clay; massive structure; moist when sampled; |
| 3B21 | 0.90 to 1.10 | Light grey (2.5Y72) moist; sand; single grain structure; wet when sampled; |
| 3B22 | 1.10 to 1.75 | Light brownish grey (2.5Y62) moist; many 20-50% very coarse >30mm prominent orange mottles; sand; single grain structure; wet when sampled; |
| 3C1 | 1.75 to 2.30 | Grey (5Y51) moist; sand; wet when sampled; |
| 3C2 | 2.30 to 3.00 | Dark grey (5Y41) moist; sandy clay loam; very few <2% angular shell medium pebbles 6-20mm; massive structure; wet when sampled; |
| 3C4 | 3.00 to 4.00 | Grey (5Y51) moist; loamy sand; very few <2% angular shell medium pebbles 6-20mm; single grain structure; wet when sampled; |
| 3C5 | 4.00 to 4.40 | Dark grey (2.5Y41) moist; loamy sand; many 20-50% angular shell medium pebbles 6-20mm; single grain structure; wet when sampled; |
| 3C6 | 4.40 to 4.60 | Dark grey (2.5Y41) moist; loamy sand; single grain structure; wet when sampled; |
| 4B21h | 4.60 to 4.75 | Very dark grey (2.5Y31) moist; loamy sand; single grain structure; weakly cemented continuous massive organic pan; wet when sampled; |
| 4B22h | 4.75 to 4.90 | Black (10YR20) moist; loamy sand; massive structure; moderately cemented continuous massive organic pan; wet when sampled; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.3 | 1.8 | |
| 0.30 | | | | | 4.9 | 3.5 | |
| 0.60 | | | | | 5.0 | 3.0 | |
| 0.80 | | | | | 4.9 | 3.2 | |
| 1.00 | | | | | 4.9 | 4.2 | |
| 1.25 | | | | | 4.5 | 3.7 | |
| 1.50 | | | | | 4.8 | 3.6 | |
| 1.75 | | | | | 4.5 | 2.7 | |
| 2.00 | | | | | 5.6 | 2.4 | |
| 2.25 | | | | | 6.0 | 2.0 | |
| 2.50 | | | | | 6.7 | 1.8 | |
| 2.75 | | | | | 7.0 | 1.8 | |
| 3.00 | | | | | 7.2 | 2.0 | |
| 3.25 | | | | | 7.3 | 1.9 | |
| 3.50 | | | | | 7.6 | 1.9 | |
| 3.75 | | | | | 7.5 | 1.7 | |
| 4.00 | | | | | 7.5 | 1.7 | |
| 4.25 | | | | | 7.5 | 2.1 | |
| 4.50 | | | | | 7.6 | 1.7 | |
| 4.70 | | | | | 7.0 | 1.2 | |
| 4.85 | | | | | 7.4 | 2.9 | |

Project: SEA **Site:** 2320

Soil Name: No record

Location: GDA 94 **ZONE 56** 501530 mE 7050607 mN
Location: AGD 84 **ZONE 56** 501424 mE 7050419 mN

Described By: Barry, Earl

Date: 28-Nov-2000

Landscape:

Geology: No record

Landform Pattern: alluvial plain

Runoff: No record

Microrelief: No record

Drainage: No record

Surface Coarse Fragments: No record

Surface Condition: No record

Substrate Lithology: No record

Element: backplain

Permeability: No record

Microrelief Component: No record

Slope: No record

Classifications:

ASC: Grey, KANDOSOL

GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| A1 | 0.00 to 0.25 | Very dark greyish brown (10YR32) moist; heavy clay loam; massive structure; moist when sampled; clear to; |
| B21 | 0.25 to 1.00 | Grey (10YR51) moist; sandy medium clay; weak structure; few 2-10% medium 2-6mm manganiferous soft segregations, very few <2% coarse 6-20mm manganiferous nodules; moist when sampled; gradual to; |
| B22 | 1.00 to 1.80 | Grey (2.5Y61) moist; sandy medium clay; massive structure; moist when sampled; gradual to; |
| B23 | 1.80 to 2.80 | Greyish brown (10YR52) moist; many 20-50% coarse 15-30mm prominent brown mottles; sandy medium heavy clay; massive structure; moist when sampled; gradual to; |
| B24 | 2.80 to 3.30 | Grey (2.5Y61) moist; many 20-50% coarse 15-30mm prominent red, common 10-20% coarse 15-30mm prominent orange mottles; medium heavy clay; massive structure; moist when sampled; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.7 | 3.3 | |
| 0.30 | | | | | 5.1 | 1.4 | |
| 0.60 | | | | | 4.9 | 4.4 | |
| 0.80 | | | | | 5.1 | 4.6 | |
| 1.00 | | | | | 5.6 | 4.5 | |
| 1.25 | | | | | 5.3 | 4.5 | |
| 1.50 | | | | | 5.0 | 4.1 | |
| 1.75 | | | | | 4.8 | 4.0 | |
| 2.00 | | | | | 5.1 | 3.8 | |
| 2.25 | | | | | 4.6 | 3.9 | |
| 2.50 | | | | | 4.8 | 3.8 | |
| 2.75 | | | | | 5.1 | 3.3 | |
| 3.00 | | | | | 5.4 | 3.8 | |
| 3.25 | | | | | 5.5 | 3.8 | |

Notes:

Project: SEA

Site: 2321

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

501137 mE
501031 mE

7050491 mN
7050303 mN

Described By: Barry, Earl

Date: 29-Nov-2000

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: No record
Element: levee
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: Grey, KANDOSOL
GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| A1p | 0.00 to 0.20 | Very dark greyish brown (10YR32) moist; clay loam, sandy; weak 5-10mm subangular blocky structure; moderately moist when sampled; clear to; |
| B21 | 0.20 to 1.05 | Grey (10YR51) moist; common 10-20% coarse 15-30mm prominent brown mottles; coarse sandy light clay; few 2-10% subangular quartz small pebbles 2-6mm; weak structure; few 2-10% medium 2-6mm ferromanganiferous nodules; moist when sampled; gradual to; |
| 2B22 | 1.05 to 1.70 | Grey (2.5Y51) moist; clay loam, sandy; massive structure; moist when sampled; clear to; |
| 2B23 | 1.70 to 3.10 | Yellowish brown (10YR56) moist; many 20-50% very coarse >30mm prominent grey mottles; sandy medium clay; massive structure; moist when sampled; clear to; |
| 2B24 | 3.10 to 4.50 | Grey (2.5Y51) moist; many 20-50% very coarse >30mm prominent red mottles; sandy medium heavy clay; massive structure; moist when sampled; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.2 | 2.5 | |
| 0.30 | | | | | 4.9 | 3.4 | |
| 0.60 | | | | | 4.8 | 3.6 | |
| 0.80 | | | | | 5.1 | 3.7 | |
| 1.00 | | | | | 5.1 | 3.8 | |
| 1.25 | | | | | 5.1 | 3.8 | |
| 1.50 | | | | | 4.9 | 3.7 | |
| 1.75 | | | | | 4.8 | 3.6 | |
| 2.00 | | | | | 4.8 | 3.4 | |
| 2.25 | | | | | 4.7 | 3.6 | |
| 2.50 | | | | | 4.8 | 3.5 | |
| 2.75 | | | | | 4.9 | 3.6 | |
| 3.00 | | | | | 5.0 | 3.3 | |
| 3.25 | | | | | 5.0 | 3.1 | |
| 3.50 | | | | | 5.1 | 3.3 | |
| 4.00 | | | | | 4.9 | 3.1 | |
| 4.50 | | | | | 5.1 | 3.3 | |

Notes:

Project: SEA

Site: 2322

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

501008 mE
500902 mE

7050222 mN
7050034 mN

Described By: Barry, Earl

Date: 29-Nov-2000

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: Alluvium
Element: levee
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: Grey, KANDOSOL

GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| A1p | 0.00 to 0.25 | Very dark greyish brown (10YR32) moist; heavy coarse sandy loam; massive structure; clear to; |
| B21 | 0.25 to 0.70 | Dark greyish brown (10YR42) moist; common 10-20% medium 5-15mm prominent orange mottles; sandy medium clay; weak 10-20mm subangular blocky structure; abrupt to; |
| 2B3 | 0.70 to 0.95 | Brown (10YR53) moist; heavy coarse sand; few 2-10% subangular quartz small pebbles 2-6mm; single grain structure; clear to; |
| 3B | 0.95 to 1.70 | Yellowish brown (10YR56) moist; few 2-10% coarse 15-30mm prominent grey mottles; heavy sand; very few <2% subangular quartz small pebbles 2-6mm; single grain structure; abrupt to; |
| 4B | 1.70 to 2.40 | Grey (10YR51) moist; very few <2% medium 5-15mm distinct brown mottles; silty light medium clay; massive structure; abrupt to; |
| 5A | 2.40 to 2.80 | Very dark grey (10YR31) moist; clay loam, sandy; massive structure; few 2-10% coarse 6-20mm organic (humified) fragments; clear to; |
| 5B | 2.80 to 3.10 | Very dark greyish brown (10YR32) moist; silty clay loam; massive structure; clear to; |
| 6C1 | 3.10 to 3.90 | Greyish brown (2.5Y52) moist; clayey sand; very few <2% subangular charcoal medium pebbles 6-20mm; single grain structure; gradual to; |
| 7D | 3.90 to 4.80 | Grey (10YR61) moist; very few <2% very coarse >30mm distinct brown mottles; heavy sandy clay loam; massive structure; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.4 | 2.8 | |
| 0.30 | | | | | 4.4 | 2.4 | |
| 0.60 | | | | | 4.6 | 3.3 | |
| 0.80 | | | | | 4.6 | 3.7 | |
| 1.00 | | | | | 4.8 | 3.8 | |
| 1.25 | | | | | 4.9 | 4.1 | |
| 1.50 | | | | | 5.1 | 4.4 | |
| 1.75 | | | | | 5.9 | 3.3 | |
| 2.00 | | | | | 5.8 | 3.4 | |
| 2.25 | | | | | 6.0 | 3.3 | |
| 2.50 | | | | | 5.6 | 2.2 | |
| 2.75 | | | | | 5.7 | 2.3 | |
| 3.00 | | | | | 5.8 | 1.8 | |
| 3.25 | | | | | 5.5 | 2.7 | |
| 3.50 | | | | | 5.5 | 1.4 | |
| 3.75 | | | | | 6.1 | 0.9 | |
| 4.00 | | | | | 6.1 | 3.0 | |
| 4.25 | | | | | 6.0 | 2.9 | |
| 4.50 | | | | | 6.1 | 3.6 | |
| 4.75 | | | | | 6.2 | 4.0 | |

Notes:

Site

Levee of Eudlo Creek

Project: SEA **Site:** 2323

Soil Name: No record

Location: GDA 94 **ZONE** 56 **501383 mE** **7050312 mN**
Location: AGD 84 **ZONE** 56 **501277 mE** **7050124 mN**

Described By: Johnston, Philip Leslie Woodford

Date: 30-Nov-2000

Landscape:

Geology: No record **Substrate Lithology:** No record
Landform Pattern: alluvial plain **Element:** plain
Runoff: No record **Permeability:** No record
Microrelief: No record **Microrelief Component:** No record
Drainage: No record **Slope:** No record
Surface Coarse Fragments: No record
Surface Condition: No record

Classifications:

ASC: Grey, KANDOSOL **PPF:** No record
GSG: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| S1 | 0.00 to 0.17 | Dark greyish brown (10YR42) moist; very few <2% medium 5-15mm distinct orange, few 2-10% medium 5-15mm prominent red mottles; light clay; moderate 5-10mm subangular blocky structure; moderately moist when sampled; clear to; |
| A1 | 0.17 to 0.62 | Very dark grey (10YR31) moist; very few <2% fine <5mm prominent red mottles; clay loam, sandy; moderate 2-5mm granular structure; moderately moist when sampled; clear to; |
| B | 0.62 to 0.95 | Brown (10YR53) moist; common 10-20% medium 5-15mm distinct orange mottles; coarse sandy loam; massive structure; wet when sampled; clear to; |
| 2B | 0.95 to 1.20 | Light brownish grey (2.5Y63) moist; coarse sand; single grain structure; wet when sampled; clear to; |
| 3B | 1.20 to 1.40 | Light brownish grey (2.5Y62) moist; few 2-10% coarse 15-30mm distinct orange mottles; coarse sandy clay loam; massive structure; wet when sampled; abrupt to; |
| 4B | 1.40 to 1.60 | Greyish brown (2.5Y52) moist; many 20-50% coarse 15-30mm distinct orange mottles; sandy light clay; massive structure; wet when sampled; clear to; |
| 5D1 | 1.60 to 2.20 | Greyish brown (2.5Y52) moist; common 10-20% coarse 15-30mm distinct orange, common 10-20% very coarse >30mm prominent red mottles; fine sandy light medium clay; massive structure; wet when sampled; diffuse to; |
| 6D2 | 2.20 to 3.00 | Yellowish red (5YR46) moist; few 2-10% coarse 15-30mm distinct brown, very few <2% medium 5-15mm distinct pale mottles; fine sandy light medium clay; massive structure; wet when sampled; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.6 | 3.9 | |
| 0.30 | | | | | 5.1 | 2.4 | |
| 0.60 | | | | | 4.8 | 3.9 | |
| 0.80 | | | | | 4.9 | 4.2 | |
| 1.00 | | | | | 4.9 | 4.6 | |
| 1.25 | | | | | 4.6 | 3.5 | |
| 1.50 | | | | | 4.5 | 3.8 | |
| 1.75 | | | | | 4.5 | 3.8 | |
| 2.00 | | | | | 4.5 | 3.4 | |
| 2.25 | | | | | 4.4 | 3.7 | |
| 2.50 | | | | | 4.4 | 3.6 | |

Notes:

Project: SEA **Site:** 2324

Soil Name: No record

Location: GDA 94 **ZONE** 56 **501338 mE** **7049839 mN**
Location: AGD 84 **ZONE** 56 **501232 mE** **7049651 mN**

Described By: Johnston, Philip Leslie Woodford

Date: 30-Nov-2000

Landscape:

Geology: No record

Landform Pattern: alluvial plain

Runoff: No record

Microrelief: No record

Drainage: No record

Surface Coarse Fragments: No record

Surface Condition: No record

Substrate Lithology: No record

Element: backplain

Permeability: No record

Microrelief Component: No record

Slope: No record

Classifications:

ASC: Grey, KANDOSOL

GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| B3 | 0.00 to 0.20 | Light olive brown (2.5Y54) moist; few 2-10% fine <5mm faint red, very few <2% fine <5mm distinct dark, very few <2% fine <5mm distinct orange mottles; sandy light clay; massive structure; moderately moist when sampled; clear to; |
| B22 | 0.20 to 0.40 | Greyish brown (2.5Y53) moist; few 2-10% medium 5-15mm distinct brown, very few <2% fine <5mm distinct orange mottles; fine sandy light medium clay; massive structure; moderately moist when sampled; gradual to; |
| 2B21 | 0.40 to 0.85 | Light brownish grey (2.5Y62) moist; common 10-20% medium 5-15mm distinct orange mottles; medium heavy clay; massive structure; few 2-10% fine <2mm ferromanganiferous soft segregations, few 2-10% medium 2-6mm manganiferous nodules; moderately moist when sampled; clear to; |
| 2B22 | 0.85 to 1.40 | Light brownish grey (10YR62) moist; few 2-10% medium 5-15mm distinct orange mottles; coarse sandy light medium clay; massive structure; common 10-20% medium 2-6mm ferromanganiferous soft segregations, few 2-10% medium 2-6mm manganiferous nodules; moderately moist when sampled; clear to; |
| 3C1 | 1.40 to 1.75 | Pale brown (10YR63) moist; few 2-10% medium 5-15mm faint orange mottles; clayey coarse sand; massive structure; moderately moist when sampled; gradual to; |
| 4C2 | 1.75 to 2.15 | Light yellowish brown (10YR64) moist; few 2-10% coarse 15-30mm distinct dark, common 10-20% medium 5-15mm distinct orange mottles; sand; single grain structure; wet when sampled; abrupt to; |
| 5C3 | 2.15 to 2.30 | Grey (5Y51) moist; sandy light clay; massive structure; wet when sampled; abrupt to; |
| 6C4 | 2.30 to 2.90 | Greenish grey (10Y51) moist; coarse sand; single grain structure; wet when sampled; clear to; |
| 7C5 | 2.90 to 3.05 | Greenish grey (10Y51) moist; fine sand; few 2-10% angular quartz small pebbles 2-6mm; single grain structure; wet when sampled; abrupt to; |
| 8C6 | 3.05 to 3.50 | Dark greenish grey (10GY41) moist; silty light medium clay; massive structure; wet when sampled; gradual to; |
| 8C7 | 3.50 to 4.30 | Greenish grey (10GY51) moist; many 20-50% coarse 15-30mm distinct brown mottles; sandy light clay; very few <2% angular charcoal medium pebbles 6-20mm; massive structure; wet when sampled; gradual to; |
| 8C8 | 4.30 to 4.55 | Greenish grey (10Y51) moist; many 20-50% very coarse >30mm distinct brown mottles; fine sandy light medium clay; very few <2% angular charcoal small pebbles 2-6mm; massive structure; wet when sampled; diffuse to; |
| 9D | 4.55 to 4.80 | Greenish grey (10GY51) moist; many 20-50% very coarse >30mm prominent red mottles; sandy medium heavy clay; very few <2% angular charcoal small pebbles 2-6mm; massive structure; wet when sampled; |

Project: SEA

Site: 2324

Soil Name: No record

Location: GDA 94

ZONE 56

501338 mE

7049839 mN

Location: AGD 84

ZONE 56

501232 mE

7049651 mN

Described By: Johnston, Philip Leslie Woodford

Date: 30-Nov-2000

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.6 | 3.8 | |
| 0.30 | | | | | 5.2 | 3.7 | |
| 0.60 | | | | | 5.3 | 3.5 | |
| 0.80 | | | | | 5.2 | 4.1 | |
| 1.00 | | | | | 5.2 | 3.8 | |
| 1.25 | | | | | 5.4 | 3.5 | |
| 1.50 | | | | | 5.5 | 4.1 | |
| 1.75 | | | | | 5.3 | 3.9 | |
| 2.00 | | | | | 5.1 | 3.0 | |
| 2.25 | | | | | 6.0 | 3.4 | |
| 2.50 | | | | | 6.3 | 3.6 | |
| 3.00 | | | | | 6.4 | 3.6 | |
| 3.25 | | | | | 6.5 | 3.5 | |
| 3.50 | | | | | 6.8 | 3.7 | |
| 3.75 | | | | | 5.7 | 3.4 | |
| 4.00 | | | | | 6.8 | 3.5 | |
| 4.25 | | | | | 6.9 | 2.8 | |
| 4.50 | | | | | 6.4 | 3.6 | |
| 4.75 | | | | | 6.5 | 3.6 | |

Notes:

Location Cane lane, approx 10m from end of bay, off Maroochydore Road

Project: SEA

Site: 2325

Soil Name: No record

Location: GDA 94

ZONE 56

502064 mE

7050267 mN

Location: AGD 84

ZONE 56

501958 mE

7050079 mN

Described By: Johnston, Philip Leslie Woodford

Date: 30-Nov-2000

Landscape:

Geology: No record

Landform Pattern: alluvial plain

Runoff: No record

Microrelief: No record

Drainage: No record

Surface Coarse Fragments: No record

Surface Condition: firm

Substrate Lithology: No record

Element: plain

Permeability: No record

Microrelief Component: No record

Slope: No record

Classifications:

ASC: Grey, KANDOSOL

GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| A1p | 0.00 to 0.25 | Very dark grey (10YR31) moist; very few <2% medium 5-15mm distinct brown mottles; sandy clay loam; weak 5-10mm subangular blocky structure; moderately moist when sampled; clear to; |
| B2 | 0.25 to 0.50 | Grey (2.5Y51) moist; many 20-50% medium 5-15mm distinct orange mottles; fine sandy clay loam; massive structure; moderately moist when sampled; gradual to; |
| 2B21 | 0.50 to 0.70 | Greyish brown (10YR52) moist; few 2-10% medium 5-15mm distinct orange mottles; clayey coarse sand; wet when sampled; gradual to; |
| 3B2 | 0.70 to 1.05 | Light grey (10YR71) moist; very few <2% medium 5-15mm distinct orange mottles; fine sandy loam; wet when sampled; abrupt to; |
| 4C1 | 1.05 to 1.25 | Light brownish grey (10YR62) moist; clayey coarse sand; wet when sampled; abrupt to; |
| 5C2 | 1.25 to 1.45 | Grey (N60) moist; coarse sandy light clay; common 10-20% subangular gravel small pebbles 2-6mm; wet when sampled; |
| 6C3 | 1.45 to 1.90 | Grey (N60) moist; common 10-20% coarse 15-30mm distinct orange mottles; silty light medium clay; wet when sampled; clear to; |
| 7C4 | 1.90 to 2.37 | Grey (N60) moist; coarse sandy light medium clay; wet when sampled; |
| 8C5 | 2.37 to 3.20 | Light greenish grey (10Y71) moist; coarse sand; wet when sampled; |
| 8C6 | 3.20 to 4.70 | Dark grey (N40) moist; loamy coarse sand; very few <2% subrounded quartz small pebbles 2-6mm; wet when sampled; |
| 9C7 | 4.70 to 4.80 | Grey (N50) moist; sandy light medium clay; wet when sampled; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.7 | 2.5 | |
| 0.30 | | | | | 5.2 | 3.0 | |
| 0.60 | | | | | 4.9 | 4.0 | |
| 0.80 | | | | | 4.9 | 3.6 | |
| 1.00 | | | | | 5.9 | 2.7 | |
| 1.25 | | | | | 6.7 | 3.7 | |
| 1.50 | | | | | 6.8 | 3.6 | |
| 2.00 | | | | | 6.8 | 3.9 | |
| 2.25 | | | | | 6.3 | 3.7 | |
| 3.00 | | | | | 6.2 | 2.8 | |
| 3.25 | | | | | 6.1 | 1.3 | |
| 3.50 | | | | | 6.1 | 1.1 | |
| 4.50 | | | | | 6.1 | 1.6 | |
| 4.75 | | | | | 6.3 | 2.3 | |

Notes:

Project: SEA

Site: 2326

Soil Name: No record

Location: GDA 94 ZONE 56 501661 mE 7050251 mN
Location: AGD 84 ZONE 56 501555 mE 7050063 mN

Described By: Johnston, Philip Leslie Woodford

Date: 05-Dec-2000

Landscape:

Geology: No record

Landform Pattern: alluvial plain

Runoff: No record

Microrelief: No record

Drainage: No record

Surface Coarse Fragments: No record

Surface Condition: No record

Substrate Lithology: No record

Element: plain

Permeability: No record

Microrelief Component: No record

Slope: No record

Classifications:

ASC: Extratidal, HYDROSOL

GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| A1 | 0.00 to 0.10 | Very dark greyish brown (10YR32) moist; sandy loam; massive structure; moderately moist when sampled; clear to; |
| B2 | 0.10 to 0.20 | Brown (10YR53) moist; clayey sand; massive structure; moderately moist when sampled; abrupt to; |
| 2A1 | 0.20 to 0.40 | Very dark grey (2.5Y31) moist; very few <2% fine <5mm distinct orange mottles; sandy clay loam; massive structure; wet when sampled; gradual to; |
| 2B2 | 0.40 to 0.70 | Dark grey (10YR41) moist; clayey sand; single grain structure; wet when sampled; clear to; |
| 3C1 | 0.70 to 0.90 | Greyish brown (2.5Y52) moist; coarse sand; single grain structure; wet when sampled; gradual to; |
| 3C2 | 0.90 to 2.30 | Light brownish grey (2.5Y62) moist; coarse sand; very few <2% subangular quartz small pebbles 2-6mm; single grain structure; wet when sampled; |
| 4C3u | 2.30 to 2.60 | Light grey (10YR72) moist; fine sand; single grain structure; wet when sampled; |
| 5C4u | 2.60 to 3.10 | Dark grey (2.5Y41) moist; sand; single grain structure; wet when sampled; abrupt to; |
| 6C5u | 3.10 to 3.55 | Grey (2.5Y51) moist; sand; single grain structure; wet when sampled; abrupt to; |
| 7C6u | 3.55 to 3.90 | Very dark grey (5Y31) moist; silty light medium clay; massive structure; wet when sampled; clear to; |
| 8C7u | 3.90 to 4.85 | Grey (5Y51) moist; sand; very few <2% subrounded quartz small pebbles 2-6mm; single grain structure; wet when sampled; gradual to; |
| 8C8u | 4.85 to 5.80 | Dark grey (5Y41) moist; fine sand; very few <2% subrounded quartz small pebbles 2-6mm; single grain structure; wet when sampled; gradual to; |
| 9D1 | 5.80 to 6.30 | Dark grey (5Y41) moist; very few <2% fine <5mm faint brown mottles; heavy silty light medium clay; massive structure; wet when sampled; |
| 9D2 | 6.30 to 7.25 | Dark greenish grey (10Y41) moist; few 2-10% coarse 15-30mm faint brown mottles; sandy light medium clay; massive structure; wet when sampled; gradual to; |

Project: SEA

Site: 2326

Soil Name: No record

Location: GDA 94

ZONE 56

501661 mE

7050251 mN

Location: AGD 84

ZONE 56

501555 mE

7050063 mN

Described By: Johnston, Philip Leslie Woodford

Date: 05-Dec-2000

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.9 | 3.4 | |
| 0.30 | | | | | 4.7 | 3.2 | |
| 0.60 | | | | | 5.1 | 4.1 | |
| 0.80 | | | | | 5.2 | 4.6 | |
| 1.00 | | | | | 5.2 | 4.1 | |
| 1.50 | | | | | 5.3 | 4.8 | |
| 1.75 | | | | | 5.7 | 4.9 | |
| 2.00 | | | | | 5.4 | 5.0 | |
| 2.25 | | | | | 5.9 | 5.0 | |
| 2.50 | | | | | 6.3 | 2.9 | |
| 2.75 | | | | | 5.9 | 1.9 | |
| 3.00 | | | | | 6.2 | 1.7 | |
| 3.25 | | | | | 6.1 | 1.7 | |
| 3.50 | | | | | 6.1 | 1.9 | |
| 3.75 | | | | | 6.1 | 1.4 | |
| 4.00 | | | | | 6.0 | 1.7 | |
| 4.25 | | | | | 6.2 | 1.9 | |
| 4.50 | | | | | 6.4 | 1.7 | |
| 4.75 | | | | | 5.7 | 1.4 | |
| 5.00 | | | | | 6.3 | 1.4 | |
| 5.25 | | | | | 6.3 | 1.5 | |
| 5.50 | | | | | 6.2 | 1.5 | |
| 5.75 | | | | | 6.4 | 1.5 | |
| 6.00 | | | | | 6.4 | 3.4 | |
| 6.25 | | | | | 6.6 | 3.6 | |
| 6.50 | | | | | 6.9 | 3.6 | |
| 6.75 | | | | | 6.9 | 3.1 | |
| 7.00 | | | | | 6.8 | 3.2 | |
| 7.20 | | | | | 6.7 | 3.1 | |
| 7.25 | | | | | 5.9 | 2.8 | |

Notes:

Site Slight depression in cane field - no cane, all grass

Project: SEA

Site: 2327

Location: GDA 94 ZONE 56 501531 mE 7050148 mN
Location: AGD 84 ZONE 56 501425 mE 7049960 mN

Described By: Johnston, Philip Leslie Woodford

Date: 05-Dec-2000

Landscape:

Geology: No record

Substrate Lithology: No record

Landform Pattern: alluvial plain

Element: plain

Runoff: No record

Permeability: No record

Classifications:

ASC: Extratidal, HYDROSOL

GSG: No record

PPF: No record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| A1 | 0.00 to 0.11 | Very dark greyish brown (10YR32) moist; sandy light clay; weak 2-5mm granular structure; moderately moist when sampled; clear to; |
| B2 | 0.11 to 0.30 | Very dark greyish brown (10YR32) moist; few 2-10% medium 5-15mm distinct orange mottles; sandy medium clay; weak 5-10mm subangular blocky structure; few 2-10% medium 2-6mm ferruginous concretions; moderately moist when sampled; clear to; |
| 2B2 | 0.30 to 0.80 | Greyish brown (10YR52) moist; many 20-50% medium 5-15mm distinct orange mottles; clay loam, sandy; massive structure; moderately moist when sampled; gradual to; |
| 3C1 | 0.80 to 1.20 | Pale yellow (2.5Y73) moist; loamy sand; single grain structure; wet when sampled; gradual to; |
| 4C2 | 1.20 to 2.20 | Light grey (10YR72) moist; few 2-10% medium 5-15mm faint brown mottles; sand; single grain structure; few 2-10% medium 2-6mm other soft segregations; wet when sampled; clear to; |
| 4C3 | 2.20 to 2.80 | Pale brown (10YR63) moist; sand; very few <2% subangular quartz small pebbles 2-6mm; single grain structure; wet when sampled; |
| 5C4 | 2.80 to 3.55 | Grey (2.5Y61) moist; coarse sand; few 2-10% subangular gravel small pebbles 2-6mm; single grain structure; wet when sampled; |
| 5C5u | 3.55 to 4.65 | Dark grey (5Y41) moist; coarse sand; common 10-20% subangular quartz small pebbles 2-6mm; single grain structure; wet when sampled; |
| 6C6u | 4.65 to 5.70 | Grey (2.5Y51) moist; clayey fine sand; massive structure; wet when sampled; gradual to; |
| 6C7u | 5.70 to 6.75 | Grey (2.5Y61) moist; sand; single grain structure; wet when sampled; gradual to; |
| 7C8u | 6.75 to 7.05 | Light brownish grey (2.5Y62) moist; coarse sand; very few <2% subangular quartz small pebbles 2-6mm; single grain structure; wet when sampled; gradual to; |
| 8C9u | 7.05 to 7.20 | Light brownish grey (2.5Y62) moist; fine sand; wet when sampled; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 5.1 | 3.9 | |
| 0.30 | | | | | 5.1 | 3.9 | |
| 0.60 | | | | | 5.3 | 4.0 | |
| 0.80 | | | | | 5.4 | 4.1 | |
| 1.00 | | | | | 5.5 | 4.9 | |
| 1.25 | | | | | 5.5 | 4.6 | |
| 1.50 | | | | | 5.6 | 5.0 | |
| 1.75 | | | | | 5.3 | 4.6 | |
| 2.00 | | | | | 5.5 | 2.5 | |
| 2.25 | | | | | 5.8 | 4.9 | |
| 3.50 | | | | | 5.7 | 3.1 | |
| 3.60 | | | | | 5.7 | 1.7 | |
| 3.75 | | | | | 6.0 | 1.3 | |
| 4.00 | | | | | 6.2 | 1.2 | |
| 4.25 | | | | | 6.2 | 1.7 | |
| 4.50 | | | | | 6.3 | 1.9 | |
| 4.75 | | | | | 6.3 | 2.5 | |
| 5.00 | | | | | 5.8 | 2.4 | |
| 5.50 | | | | | 6.2 | 2.5 | |
| 6.00 | | | | | 6.3 | 3.1 | |
| 6.25 | | | | | 6.2 | 2.8 | |
| 6.50 | | | | | 6.2 | 3.9 | |
| 6.75 | | | | | 6.3 | 3.0 | |
| 7.00 | | | | | 6.3 | 3.1 | |
| 7.20 | | | | | 6.1 | 1.9 | |

Project: SEA

Site: 2328

Soil Name: No record

Location: GDA 94 ZONE 56 501849 mE 7050122 mN
Location: AGD 84 ZONE 56 501743 mE 7049934 mN

Described By: Johnston, Philip Leslie Woodford

Date: 06-Dec-2000

Landscape:

Geology: No record

Landform Pattern: alluvial plain

Runoff: No record

Microrelief: No record

Drainage: No record

Surface Coarse Fragments: No record

Surface Condition: No record

Substrate Lithology: No record

Element: plain

Permeability: No record

Microrelief Component: No record

Slope: No record

Classifications:

ASC: Extratidal, HYDROSOL

GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| A1 | 0.00 to 0.20 | Very dark greyish brown (10YR32) moist; sandy clay loam; weak 2-5mm granular structure; moderately moist when sampled; gradual to; |
| B21 | 0.20 to 0.35 | Greyish brown (10YR52) moist; common 10-20% medium 5-15mm distinct orange, few 2-10% fine <5mm prominent red mottles; clay loam, sandy; weak 5-10mm subangular blocky structure; moderately moist when sampled; clear to; |
| B22 | 0.35 to 1.02 | Greyish brown (2.5Y52) moist; many 20-50% coarse 15-30mm prominent orange mottles; heavy sandy clay loam; massive structure; moderately moist when sampled; clear to; |
| 2B2 | 1.02 to 1.22 | Grey (5Y51) moist; many 20-50% medium 5-15mm prominent orange mottles; heavy sandy medium clay; massive structure; wet when sampled; abrupt to; |
| 3B2 | 1.22 to 1.40 | Light greenish grey (10Y71) moist; few 2-10% fine <5mm faint orange mottles; coarse sandy light clay; weak structure; wet when sampled; clear to; |
| 4B2 | 1.40 to 1.74 | Greenish grey (10Y61) moist; many 20-50% medium 5-15mm prominent orange mottles; clayey coarse sand; massive structure; wet when sampled; abrupt to; |
| 5B2 | 1.74 to 2.05 | Grey (N60) moist; many 20-50% medium 5-15mm prominent brown mottles; sandy medium clay; massive structure; wet when sampled; gradual to; |
| 5C1 | 2.05 to 2.35 | Grey (5Y61) moist; sandy medium clay; massive structure; wet when sampled; clear to; |
| 6C2 | 2.35 to 3.05 | Grey (5Y61) moist; coarse sandy loam; massive structure; wet when sampled; abrupt to; |
| 7C3 | 3.05 to 3.20 | Grey (5Y51) moist; silty light medium clay; massive structure; wet when sampled; sharp to; |
| 8C4 | 3.20 to 3.55 | Grey (10YR51) moist; sandy loam; massive structure; wet when sampled; sharp to; |
| 8C5 | 3.55 to 4.20 | Dark grey (5Y41) moist; sandy light clay; massive structure; wet when sampled; gradual to; |
| 8C6 | 4.20 to 4.55 | Grey (5Y51) moist; silty light medium clay; few 2-10% subangular charcoal large pebbles 20-60mm; massive structure; few 2-10% organic (humified) fragments; wet when sampled; diffuse to; |
| 8C7 | 4.55 to 5.45 | Grey (5Y51) moist; sandy medium heavy clay; massive structure; few 2-10% organic (humified) fragments; wet when sampled; gradual to; |
| 9C8 | 5.45 to 6.00 | Grey (2.5Y51) moist; very few <2% fine <5mm distinct orange mottles; sandy loam; massive structure; wet when sampled; |

Project: SEA

Site: 2328

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

501849 mE
501743 mE

7050122 mN
7049934 mN

Described By: Johnston, Philip Leslie Woodford

Date: 06-Dec-2000

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.9 | 2.7 | |
| 0.30 | | | | | 3.9 | 3.0 | |
| 0.60 | | | | | 3.9 | 3.0 | |
| 0.80 | | | | | 3.8 | 3.3 | |
| 1.00 | | | | | 3.8 | 3.1 | |
| 1.10 | | | | | 3.9 | 3.0 | |
| 1.25 | | | | | 4.1 | 3.4 | |
| 1.50 | | | | | 3.8 | 2.9 | |
| 1.75 | | | | | 4.8 | 3.4 | |
| 2.00 | | | | | 6.1 | 3.3 | |
| 2.25 | | | | | 6.2 | 3.4 | |
| 2.50 | | | | | 6.8 | 3.6 | |
| 2.75 | | | | | 6.9 | 3.4 | |
| 3.00 | | | | | 6.9 | 3.9 | |
| 3.25 | | | | | 6.7 | 2.9 | |
| 3.50 | | | | | 6.7 | 3.0 | |
| 3.75 | | | | | 6.3 | 1.9 | |
| 4.00 | | | | | 6.6 | 2.2 | |
| 4.25 | | | | | 6.3 | 3.1 | |
| 4.50 | | | | | 6.2 | 2.9 | |
| 4.75 | | | | | 5.8 | 3.0 | |
| 5.00 | | | | | 6.0 | 2.6 | |
| 5.50 | | | | | 6.3 | 3.2 | |
| 6.00 | | | | | 6.2 | 3.3 | |

Notes:

Location Under pine trees approx 15m in from cane road, 7m from drainage depression

Project: SEA **Site:** 2329

Soil Name: No record

Location: GDA 94 ZONE 56 501684 mE 7050910 mN
Location: AGD 84 ZONE 56 501578 mE 7050722 mN

Described By: Johnston, Philip Leslie Woodford

Date: 06-Dec-2000

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: firm

Substrate Lithology: No record
Element: No record
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: Extratidal, HYDROSOL

GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| A1 | 0.00 to 0.08 | Dark greyish brown (10YR42) moist; clay loam, sandy; weak 2-5mm granular structure; moist when sampled; clear to; |
| A3 | 0.08 to 0.20 | Light olive brown (2.5Y54) moist; very few <2% medium 5-15mm faint orange mottles; heavy clay loam, sandy; moderate 5-10mm subangular blocky structure; moist when sampled; clear to; |
| B2 | 0.20 to 0.50 | Light brownish grey (10YR62) moist; very few <2% medium 5-15mm prominent red, common 10-20% medium 5-15mm distinct orange mottles; fine sandy light clay; massive structure; few 2-10% medium 2-6mm ferromanganiferous soft segregations; moderately moist when sampled; gradual to; |
| D1 | 0.50 to 1.80 | Grey (2.5Y51) moist; common 10-20% coarse 15-30mm distinct orange mottles; sandy medium clay; massive structure; moderately moist when sampled; gradual to; |
| 2D2 | 1.80 to 2.30 | Grey (10YR61) moist; very few <2% medium 5-15mm faint orange mottles; sandy light medium clay; massive structure; moderately moist when sampled; abrupt to; |
| 3D3 | 2.30 to 2.37 | Grey (5Y61) moist; many 20-50% coarse 15-30mm distinct orange mottles; sandy medium heavy clay; massive structure; moderately moist when sampled; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 5.1 | 2.8 | |
| 0.30 | | | | | 4.6 | 3.6 | |
| 0.60 | | | | | 4.5 | 3.4 | |
| 0.80 | | | | | 4.7 | 3.5 | |
| 1.00 | | | | | 4.8 | 3.5 | |
| 1.25 | | | | | 4.6 | 3.6 | |
| 1.50 | | | | | 4.8 | 3.8 | |
| 1.75 | | | | | 5.0 | 3.7 | |
| 2.00 | | | | | 4.8 | 3.6 | |
| 2.25 | | | | | 4.8 | 4.1 | |

Notes:

Location Edge of cane paddock and cane road, 10m from creek

Project: SEA **Site:** 2330

Soil Name: No record

Location: GDA 94 **ZONE** 56 **501881 mE** **7051149 mN**
Location: AGD 84 **ZONE** 56 **501775 mE** **7050961 mN**

Described By: Johnston, Philip Leslie Woodford

Date: 06-Dec-2000

Landscape:

Geology: No record

Landform Pattern: alluvial plain

Runoff: No record

Microrelief: No record

Drainage: No record

Surface Coarse Fragments: No record

Surface Condition: firm

Substrate Lithology: No record

Element: No record

Permeability: No record

Microrelief Component: No record

Slope: No record

Classifications:

ASC: Extratidal, HYDROSOL

GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| A1 | 0.00 to 0.15 | Very dark grey (10YR31) moist; sandy light clay; weak 2-5mm granular structure; moist when sampled; clear to; |
| B21 | 0.15 to 0.40 | Dark grey (2.5Y41) moist; common 10-20% fine <5mm prominent orange mottles; sandy light clay; weak 5-10mm subangular blocky structure; moist when sampled; clear to; |
| B22c | 0.40 to 0.70 | Dark grey (2.5Y41) moist; common 10-20% medium 5-15mm prominent orange, very few <2% fine <5mm distinct orange mottles; sandy light medium clay; very few <2% angular charcoal medium pebbles 6-20mm; massive structure; few 2-10% fine <2mm manganiferous soft segregations; moderately moist when sampled; abrupt to; |
| C1 | 0.70 to 1.15 | Dark grey (10YR41) moist; few 2-10% fine <5mm faint orange mottles; coarse sandy loam; massive structure; wet when sampled; abrupt to; |
| 2D | 1.15 to 1.90 | Grey (2.5Y51) moist; few 2-10% medium 5-15mm faint orange, few 2-10% coarse 15-30mm distinct orange mottles; coarse sandy light medium clay; massive structure; wet when sampled; gradual to; |
| 3D | 1.90 to 2.30 | Brownish yellow (10YR66) moist; many 20-50% medium 5-15mm prominent grey mottles; sandy medium heavy clay; massive structure; wet when sampled; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.6 | 3.5 | |
| 0.30 | | | | | 4.7 | 2.8 | |
| 0.60 | | | | | 5.1 | 2.7 | |
| 0.80 | | | | | 4.9 | 2.9 | |
| 1.00 | | | | | 5.5 | 2.2 | |
| 1.25 | | | | | 5.1 | 2.6 | |
| 1.50 | | | | | 4.9 | 3.0 | |
| 1.75 | | | | | 5.0 | 3.3 | |
| 2.00 | | | | | 5.0 | 3.3 | |
| 2.25 | | | | | 5.1 | 2.9 | |

Notes:

Location Parallel to drain (east west) and cane row

Project: SEA

Site: 2331

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56 502044 mE
ZONE 56 501938 mE

7050568 mN
7050380 mN

Described By: Barry, Earl

Date: 12-Dec-2000

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: No record
Element: plain
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: Grey, DERMOSOL
GSG: No record

PPF: No record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| Ap | 0.00 to 0.35 | Black (10YR21) moist; sandy light clay; weak structure; dry when sampled; clear to; |
| B22 | 0.35 to 1.00 | Dark grey (10YR41) moist; common 10-20% coarse 15-30mm prominent brown, few 2-10% coarse 15-30mm prominent orange mottles; coarse sandy medium clay; moderate 10-20mm subangular blocky structure; moderately moist when sampled; clear to; |
| 2B22 | 1.00 to 1.60 | Grey (2.5Y61) moist; few 2-10% medium 5-15mm prominent red mottles; medium heavy clay; massive structure; moderately moist when sampled; clear to; |
| 3B3 | 1.60 to 1.80 | Greyish brown (2.5Y52) moist; very few <2% medium 5-15mm faint orange mottles; clayey coarse sand; single grain structure; No decode(g) when sampled; gradual to; |
| 4C1u | 1.80 to 2.10 | Grey (2.5Y51) moist; silty medium clay; massive structure; moist when sampled; abrupt to; |
| 5C2u | 2.10 to 2.30 | Greyish brown (2.5Y52) moist; clayey coarse sand; single grain structure; wet when sampled; abrupt to; |
| 6C3u | 2.30 to 3.50 | Very dark grey (5Y31) moist; silty light medium clay; massive structure; common 10-20% organic (humified) fragments; wet when sampled; gradual to; |
| 7C4u | 3.50 to 4.60 | Dark grey (5Y41) moist; silty light medium clay; massive structure; wet when sampled; clear to; |
| 8C5u | 4.60 to 5.60 | Grey (5Y51) moist; sandy clay loam; massive structure; wet when sampled; gradual to; |
| 9C6u | 5.60 to 6.00 | Grey (5Y51) moist; clayey sand; single grain structure; wet when sampled; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 5.3 | 2.4 | |
| 0.30 | | | | | 5.2 | 3.0 | |
| 0.60 | | | | | 5.2 | 3.6 | |
| 0.80 | | | | | 5.2 | 4.0 | |
| 1.00 | | | | | 5.3 | 3.4 | |
| 1.25 | | | | | 5.4 | 3.2 | |
| 1.50 | | | | | 5.3 | 3.3 | |
| 1.75 | | | | | 5.9 | 4.2 | |
| 2.00 | | | | | 6.1 | 2.2 | |
| 2.25 | | | | | 6.4 | 1.2 | |
| 2.50 | | | | | 6.0 | 1.0 | |
| 2.75 | | | | | 6.0 | 1.0 | |
| 3.00 | | | | | 6.4 | 2.1 | |
| 3.25 | | | | | 6.3 | 1.6 | |
| 3.50 | | | | | 6.4 | 2.8 | |
| 3.75 | | | | | 6.4 | 2.9 | |
| 4.00 | | | | | 6.5 | 3.0 | |
| 4.25 | | | | | 6.9 | 3.1 | |
| 4.50 | | | | | 6.9 | 3.3 | |
| 4.75 | | | | | 6.8 | 3.0 | |
| 5.00 | | | | | 6.8 | 2.8 | |
| 5.50 | | | | | 6.7 | 2.0 | |
| 6.00 | | | | | 6.6 | 2.1 | |

Project: SEA

Site: 2332

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

501391 mE
501285 mE

7049995 mN
7049807 mN

Described By: Barry, Earl

Date: 12-Dec-2000

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: Alluvium
Element: plain
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: Black, DERMOSOL
GSG: No record

PPF: No record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| A1p | 0.00 to 0.15 | Dark greyish brown (10YR42) moist; loamy sand; massive structure; moderately moist when sampled; abrupt to; |
| B21 | 0.15 to 0.60 | Very dark grey (10YR31) moist; few 2-10% coarse 15-30mm prominent orange mottles; light medium clay; moderate 10-20mm subangular blocky structure; moderately moist when sampled; clear to; |
| 2C1u | 0.60 to 0.90 | Very dark grey (2.5Y31) moist; clayey sand; single grain structure; moist when sampled; clear to; |
| 2C2u | 0.90 to 1.50 | Grey (2.5Y51) moist; coarse sand; very few <2% subangular quartz small pebbles 2-6mm; single grain structure; common 10-20% organic (humified) fragments; wet when sampled; clear to; |
| 3C3u | 1.50 to 2.90 | Greenish grey (5GY51) moist; medium clay; massive structure; moist when sampled; gradual to; |
| 4C4u | 2.90 to 3.20 | Grey (2.5Y51) moist; clayey sand; single grain structure; No decode(g) when sampled; abrupt to; |
| 5C5u | 3.20 to 3.80 | Greenish grey (5GY51) moist; sandy light medium clay; massive structure; wet when sampled; gradual to; |
| 6C6u | 3.80 to 4.70 | Dark grey (5Y41) moist; clayey sand; single grain structure; wet when sampled; abrupt to; |
| 7C7u | 4.70 to 5.80 | Very dark grey (5Y31) moist; silty light medium clay; massive structure; common 10-20% organic (humified) fragments; wet when sampled; clear to; |
| 8C8u | 5.80 to 6.00 | Dark grey (5Y41) moist; clayey sand; massive structure; wet when sampled; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 5.5 | 3.3 | |
| 0.30 | | | | | 5.3 | 2.1 | |
| 0.60 | | | | | 4.9 | 2.4 | |
| 0.80 | | | | | 5.8 | 1.7 | |
| 1.00 | | | | | 5.6 | 1.8 | |
| 1.25 | | | | | 5.8 | 1.5 | |
| 1.50 | | | | | 6.2 | 1.5 | |
| 1.75 | | | | | 6.2 | 3.2 | |
| 2.00 | | | | | 6.2 | 3.3 | |
| 2.50 | | | | | 5.9 | 3.5 | |
| 2.75 | | | | | 6.6 | 3.6 | |
| 3.00 | | | | | 6.4 | 3.3 | |
| 3.25 | | | | | 6.5 | 3.8 | |
| 3.50 | | | | | 6.6 | 3.2 | |
| 3.75 | | | | | 6.6 | 3.5 | |
| 4.00 | | | | | 6.5 | 3.7 | |
| 4.25 | | | | | 6.6 | 3.2 | |
| 4.50 | | | | | 6.5 | 2.8 | |
| 4.75 | | | | | 6.5 | 3.2 | |
| 5.00 | | | | | 6.3 | 3.3 | |
| 5.50 | | | | | 6.2 | 2.5 | |
| 6.00 | | | | | 6.1 | 1.8 | |

Project: SEA

Site: 2333

Soil Name: No record

Location: GDA 94 ZONE 56 507366 mE 7058312 mN
 Location: AGD 84 ZONE 56 507260 mE 7058124 mN

Described By: Barry, Earl

Date: 13-Dec-2000

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: Alluvium
Element: plain
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: Aquic, PODOSOL

GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|---------------|--|
| A1 | 0.00 to 0.40 | Very dark grey (10YR31) moist; loamy sand; clear to; |
| A2e | 0.40 to 1.05 | White (10YR81) moist; few 2-10% coarse 15-30mm prominent orange mottles; sand; clear to; |
| B21h | 1.05 to 2.50 | Black (10YR21) moist; loamy sand; massive structure; strongly cemented continuous massive organic pan; diffuse to; |
| B22 | 2.50 to 10.00 | Very dark brown (7.5YR22) moist; sand; single grain structure; |
| B3 | 10.0 to 11.2 | Dark greyish brown (2.5Y42) moist; heavy sand; |
| 2C1u | 11.2 to 12.1 | Dark greenish grey (10Y31) moist; silty medium clay; massive structure; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.7 | 1.8 | |
| 0.60 | | | | | 4.5 | 3.5 | |
| 1.00 | | | | | 4.6 | 3.9 | |
| 1.50 | | | | | 5.3 | 1.4 | |
| 2.00 | | | | | 5.4 | 2.2 | |
| 3.00 | | | | | 5.2 | 1.7 | |
| 4.50 | | | | | 5.3 | 1.9 | |
| 6.00 | | | | | 5.4 | 1.9 | |
| 8.00 | | | | | 5.3 | 1.7 | |
| 9.60 | | | | | 5.4 | 1.3 | |
| 10.50 | | | | | 5.3 | 1.0 | |
| 11.50 | | | | | 5.3 | 1.4 | |
| 12.00 | | | | | 5.6 | 1.3 | |

Notes:

Site Deep auger site through podsol

Project: SEA **Site:** 2334

Soil Name: No record

Location: GDA 94 ZONE 56 506743 mE 7061973 mN
Location: AGD 84 ZONE 56 506637 mE 7061785 mN

Described By: Johnston, Philip Leslie Woodford

Date: 11-Jan-2001

Landscape:

Geology: No record

Substrate Lithology: Alluvium

Landform Pattern: alluvial plain

Element: plain

Runoff: No record

Permeability: No record

Classifications:

ASC: Sulfidic, Redoxic, HYDROSOL

GSG: No record

PPF: No record

Vegetation:

Tallest Stratum: Tree, 6.01-12m, mid-dense

Species: Casuarina glauca (swamp she-oak, swamp sheoak); Melaleuca quinquenervia (swamp paperbark, paper-barked tea-tree, broad-leaved tea-tree)

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| S1 | 0.00 to 0.50 | Dark greyish brown (10YR42) moist; common 10-20% medium 5-15mm prominent orange mottles; light medium clay; common 10-20% angular gravel small pebbles 2-6mm; moderately moist when sampled; clear to; |
| 2A1 | 0.50 to 0.80 | Black (10YR21) moist; silty clay loam; massive structure; wet when sampled; gradual to; |
| 3C1 | 0.80 to 1.00 | Dark grey (2.5Y41) moist; few 2-10% medium 5-15mm distinct dark mottles; silty light medium clay; massive structure; wet when sampled; clear to; |
| 3C2u | 1.00 to 1.80 | Dark grey (5Y41) moist; few 2-10% fine <5mm distinct brown mottles; silty light clay; massive structure; wet when sampled; gradual to; |
| 4C5u | 1.80 to 2.70 | Dark greenish grey (10Y31) moist; silty light clay; massive structure; few 2-10% fine <2mm organic (humified) fragments; wet when sampled; gradual to; |
| 5C4u | 2.70 to 4.50 | Dark greenish grey (10Y31) moist; silty light clay; few 2-10% angular shell small pebbles 2-6mm, very few <2% angular shell large pebbles 20-60mm; massive structure; wet when sampled; diffuse to; |
| 5C5u | 4.50 to 6.80 | Dark greenish grey (10Y31) moist; silty light clay; very few <2% angular shell large pebbles 20-60mm, very few <2% angular shell small pebbles 2-6mm; massive structure; wet when sampled; diffuse to; |
| 6D1 | 6.80 to 7.25 | Dark grey (2.5Y41) moist; few 2-10% coarse 15-30mm distinct brown, few 2-10% coarse 15-30mm prominent orange mottles; fine sandy medium clay; very few <2% angular charcoal small pebbles 2-6mm; massive structure; wet when sampled; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 3.7 | 2.3 | |
| 0.30 | | | | | 3.7 | 2.6 | |
| 0.50 | | | | | 3.7 | 2.5 | |
| 0.60 | | | | | 4.5 | 1.9 | |
| 0.80 | | | | | 4.8 | 2.8 | |
| 1.00 | | | | | 5.4 | 3.1 | |
| 1.25 | | | | | 5.9 | 2.7 | |
| 1.50 | | | | | 6.2 | 1.8 | |
| 1.75 | | | | | 6.2 | 1.6 | |
| 2.00 | | | | | 6.3 | 1.7 | |
| 2.25 | | | | | 6.6 | 1.8 | |
| 2.50 | | | | | 6.7 | 1.9 | |
| 2.75 | | | | | 7.1 | 1.8 | |
| 3.00 | | | | | 6.9 | 1.7 | |
| 3.25 | | | | | 7.1 | 1.7 | |
| 3.50 | | | | | 7.5 | 1.9 | |
| 3.75 | | | | | 7.4 | 1.9 | |
| 4.00 | | | | | 7.3 | 1.9 | |
| 4.25 | | | | | 7.3 | 2.0 | |
| 4.50 | | | | | 7.5 | 2.0 | |
| 4.75 | | | | | 7.8 | 1.9 | |

Notes: Location
Wetland ponds

Maroochy STP, NNW of

Project: SEA **Site:** 2335

Soil Name: No record

Location: GDA 94 ZONE 56 507286 mE 7062086 mN
Location: AGD 84 ZONE 56 507180 mE 7061898 mN

Described By: Johnston, Philip Leslie Woodford

Date: 11-Jan-2000

Landscape:

Geology: No record

Substrate Lithology: No record

Landform Pattern: rises

Element: fan

Runoff: No record

Permeability: No record

Microrelief: No record

Microrelief Component: No record

Drainage: No record

Slope: No record

Surface Coarse Fragments: No record

Surface Condition: No record

Classifications:

ASC: Brown, KANDOSOL

GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| A1 | 0.00 to 0.20 | Black (10YR21) moist; sandy light clay; strong 5-10mm polyhedral structure; moist when sampled; clear to; |
| B2 | 0.20 to 0.40 | Very dark greyish brown (10YR32) moist; few 2-10% medium 5-15mm distinct orange mottles; fine sandy light medium clay; common 10-20% subrounded gravel small pebbles 2-6mm; weak <2mm granular structure; moist when sampled; clear to; |
| 2B2 | 0.40 to 0.60 | Dark grey (2.5Y41) moist; many 20-50% medium 5-15mm distinct orange mottles; coarse sandy medium clay; few 2-10% subrounded gravel small pebbles 2-6mm; massive structure; moist when sampled; gradual to; |
| 3D1 | 0.60 to 1.20 | Grey (2.5Y51) moist; common 10-20% coarse 15-30mm distinct orange mottles; sandy medium heavy clay; few 2-10% subrounded gravel small pebbles 2-6mm; massive structure; moist when sampled; clear to; |
| 4D2 | 1.20 to 2.40 | Grey (2.5Y61) moist; many 20-50% coarse 15-30mm prominent orange, few 2-10% medium 5-15mm faint pale mottles; sandy medium clay; massive structure; moist when sampled; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.8 | 2.4 | |
| 0.30 | | | | | 5.0 | 2.1 | |
| 0.60 | | | | | 4.5 | 3.0 | |
| 0.80 | | | | | 4.1 | 3.0 | |
| 1.00 | | | | | 4.4 | 3.0 | |
| 1.50 | | | | | 4.6 | 3.4 | |
| 2.00 | | | | | 5.8 | 3.6 | |
| 2.25 | | | | | 5.8 | 3.6 | |

Notes:

Location Site 100m East of Maroochy STP

Project: SEA

Site: 2336

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56 507320 mE
ZONE 56 507214 mE

7062131 mN
7061943 mN

Described By: Barry, Earl

Date: 11-Jan-2001

Landscape:

Geology: No record
Landform Pattern: rises
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: No record
Element: fan
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: Grey, KANDOSOL
GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| A1 | 0.00 to 0.45 | Very dark grey (10YR31) moist; light clay; moderate 2-5mm subangular blocky structure; moderately moist when sampled; |
| B21 | 0.45 to 0.70 | Dark grey (2.5Y41) moist; common 10-20% medium 5-15mm distinct orange, few 2-10% medium 5-15mm faint pale mottles; sandy medium clay; very few <2% subrounded gravel small pebbles 2-6mm; massive structure; moderately moist when sampled; |
| B22 | 0.70 to 2.30 | Grey (2.5Y51) moist; few 2-10% medium 5-15mm prominent orange mottles; sandy medium heavy clay; massive structure; moderately moist when sampled; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.30 | | | | | 4.8 | 3.3 | |
| 0.60 | | | | | 4.5 | 3.4 | |
| 0.80 | | | | | 4.5 | 3.1 | |
| 1.00 | | | | | 4.6 | 3.6 | |
| 1.50 | | | | | 4.7 | 3.6 | |
| 2.00 | | | | | 4.3 | 3.6 | |

Notes:

Project: SEA

Site: 2337

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

506492 mE
506386 mE

7062038 mN
7061850 mN

Described By: Barry, Earl

Date: 16-Jan-2001

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: Alluvium
Element: levee
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: Oxyaquic, HYDROSOL
GSG: No record

PPF: No record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| S1 | 0.00 to 0.65 | Brown (10YR43) moist; common 10-20% medium 5-15mm prominent grey, few 2-10% medium 5-15mm prominent pale, few 2-10% medium 5-15mm distinct orange mottles; medium clay; common 10-20% angular gravel medium pebbles 6-20mm; massive structure; moist when sampled; clear to; |
| A11 | 0.65 to 0.85 | Black (10YR21) moist; sapric silty light clay; wet when sampled; clear to; |
| A12 | 0.85 to 1.10 | Very dark greyish brown (2.5Y32) moist; fibric silty light clay; massive structure; wet when sampled; clear to; |
| C1u | 1.10 to 1.50 | Very dark grey (5Y31) moist; silty light clay; massive structure; No decode(v) when sampled; gradual to; |
| C2u | 1.50 to 2.40 | Dark greenish grey (5GY31) moist; silty light clay; massive structure; wet when sampled; gradual to; |
| C3u | 2.40 to 6.80 | Dark greenish grey (5GY31) moist; silty light clay; very few <2% angular shell small pebbles 2-6mm; massive structure; wet when sampled; clear to; |
| D1 | 6.80 to 7.25 | Grey (2.5Y61) moist; common 10-20% coarse 15-30mm prominent orange mottles; medium clay; massive structure; wet when sampled; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.30 | | | | | 3.4 | 2.6 | |
| 0.60 | | | | | 4.1 | 3.0 | |
| 0.80 | | | | | 6.4 | 2.6 | |
| 1.00 | | | | | 6.5 | 1.3 | |
| 1.25 | | | | | 6.6 | 1.7 | |
| 1.50 | | | | | 7.0 | 1.7 | |
| 1.75 | | | | | 7.1 | 1.8 | |
| 2.00 | | | | | 7.0 | 1.8 | |
| 2.25 | | | | | 7.1 | 1.8 | |
| 2.50 | | | | | 7.1 | 2.1 | |
| 2.75 | | | | | 7.1 | 2.1 | |
| 3.00 | | | | | 7.4 | 2.0 | |
| 3.25 | | | | | 7.1 | 2.0 | |
| 3.50 | | | | | 7.1 | 2.1 | |
| 3.75 | | | | | 7.4 | 2.1 | |
| 4.00 | | | | | 7.5 | 2.1 | |
| 4.25 | | | | | 7.0 | 2.0 | |
| 4.50 | | | | | 7.2 | 1.9 | |
| 4.75 | | | | | 7.8 | 1.8 | |
| 5.00 | | | | | 7.2 | 1.8 | |
| 5.50 | | | | | 7.0 | 1.8 | |
| 6.00 | | | | | 7.0 | 1.9 | |
| 6.50 | | | | | 7.2 | 1.8 | |
| 7.25 | | | | | 6.9 | 2.6 | |

Notes:

Location Site on bank of Coolum Ck west of Maroochy STP

Project: SEA

Site: 2338

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

506968 mE
506862 mE

7062070 mN
7061882 mN

Described By: Barry, Earl

Date: 16-Jan-2001

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: Alluvium
Element: plain
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: Sulfuric, Redoxic, HYDROSOL
GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| S1 | 0.00 to 0.70 | Brown (7.5YR44) moist; few 2-10% medium 5-15mm prominent red, few 2-10% medium 5-15mm distinct grey mottles; medium clay; few 2-10% angular gravel medium pebbles 6-20mm; massive structure; moist when sampled; |
| S2 | 0.70 to 2.00 | Dark grey (5Y41) moist; few 2-10% medium 5-15mm prominent brown, common 10-20% coarse 15-30mm distinct dark mottles; silty medium clay; very few <2% angular gravel medium pebbles 6-20mm; massive structure; moist when sampled; |
| 2B3u | 2.00 to 3.30 | Very dark grey (5Y31) moist; very few <2% fine <5mm distinct brown mottles; silty light clay; massive structure; wet when sampled; |
| 2C1u | 3.30 to 6.30 | Dark greenish grey (5GY31) moist; silty light clay; very few <2% angular shell small pebbles 2-6mm; massive structure; wet when sampled; |
| 2C2u | 6.30 to 6.80 | Dark greenish grey (10Y31) moist; silty light medium clay; massive structure; few 2-10% medium 2-6mm organic (humified) fragments; wet when sampled; |
| 3D1 | 6.80 to 7.25 | Grey (2.5Y61) moist; common 10-20% coarse 15-30mm distinct orange mottles; medium clay; massive structure; wet when sampled; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.30 | | | | | 3.7 | 1.9 | |
| 0.80 | | | | | 3.9 | 1.4 | |
| 1.00 | | | | | 6.0 | 3.5 | |
| 1.50 | | | | | 6.1 | 3.0 | |
| 2.00 | | | | | 6.0 | 2.7 | |
| 2.50 | | | | | 6.1 | 3.2 | |
| 2.75 | | | | | 6.1 | 3.4 | |
| 3.00 | | | | | 6.1 | 2.2 | |
| 3.25 | | | | | 6.1 | 1.7 | |
| 3.50 | | | | | 6.3 | 1.8 | |
| 3.75 | | | | | 6.6 | 1.9 | |
| 4.00 | | | | | 6.8 | 1.7 | |
| 4.25 | | | | | 6.9 | 1.8 | |
| 4.50 | | | | | 6.9 | 1.9 | |
| 4.75 | | | | | 7.3 | 1.8 | |
| 5.00 | | | | | 7.1 | 1.5 | |
| 5.50 | | | | | 7.4 | 1.5 | |
| 6.00 | | | | | 7.0 | 1.5 | |
| 6.50 | | | | | 7.0 | 1.3 | |
| 7.20 | | | | | 6.6 | 5.8 | |

Notes:

Location Site on north side of sewerage ponds, Maroochy STP

Project: SEA

Site: 2339

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

506496 mE
506390 mE

7061298 mN
7061110 mN

Described By: Barry, Earl

Date: 17-Jan-2001

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: Alluvium
Element: swamp
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: Sulfuric, Oxyaquic, HYDROSOL
GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| S1 | 0.00 to 0.95 | Yellowish red (5YR46) moist; few 2-10% medium 5-15mm distinct pale mottles; medium clay; few 2-10% angular gravel medium pebbles 6-20mm; massive structure; moist when sampled; abrupt to; |
| A1 | 0.95 to 1.20 | Black (10YR21) moist; sapric silty light clay; massive structure; moist when sampled; clear to; |
| C1u | 1.20 to 1.90 | Dark greenish grey (10Y31) moist; sandy light clay; massive structure; wet when sampled; clear to; |
| C2u | 1.90 to 3.90 | Dark greenish grey (10Y31) moist; coarse sandy light clay; few 2-10% angular shell small pebbles 2-6mm, very few <2% shell medium pebbles 6-20mm, very few <2% subangular quartz small pebbles 2-6mm; massive structure; wet when sampled; gradual to; |
| 2D1 | 3.90 to 4.20 | Brown (7.5YR44) moist; coarse sandy clay loam; few 2-10% angular gravel medium pebbles 6-20mm; massive structure; wet when sampled; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.30 | | | | | 3.6 | 2.4 | |
| 0.80 | | | | | 5.8 | 3.0 | |
| 1.00 | | | | | 6.6 | 1.9 | |
| 1.25 | | | | | 7.3 | 1.7 | |
| 1.50 | | | | | 7.0 | 1.7 | |
| 1.75 | | | | | 7.0 | 1.5 | |
| 2.00 | | | | | 7.0 | 1.6 | |
| 2.25 | | | | | 7.2 | 1.8 | |
| 2.50 | | | | | 7.1 | 1.7 | |
| 2.75 | | | | | 7.1 | 1.8 | |
| 3.00 | | | | | 7.2 | 1.7 | |
| 3.25 | | | | | 7.1 | 1.8 | |
| 3.50 | | | | | 7.2 | 1.9 | |
| 3.75 | | | | | 7.3 | 2.0 | |
| 4.00 | | | | | 7.1 | 5.1 | |
| 4.15 | | | | | 7.0 | 5.4 | |

Notes:

Location Coolum Ck levee, south west of Maroochy STP at end of dirt road

Project: SEA

Site: 2340

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

507186 mE
507080 mE

7062304 mN
7062116 mN

Described By: Barry, Earl

Date: 08-Jan-2001

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: Alluvium
Element: plain
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: Sulfidic, Redoxic, HYDROSOL

GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| A1 | 0.00 to 0.25 | Black (10YR21) moist; sapric silty light clay; moist when sampled; abrupt to; |
| 2B21 | 0.25 to 0.60 | Dark grey (2.5Y41) moist; few 2-10% medium 5-15mm prominent brown mottles; silty medium clay; massive structure; moist when sampled; clear to; |
| 2B22 | 0.60 to 1.00 | Dark greenish grey (10Y41) moist; common 10-20% medium 5-15mm prominent brown mottles; silty light medium clay; massive structure; wet when sampled; clear to; |
| 2C1u | 1.00 to 1.90 | Dark greenish grey (5GY31) moist; silty light medium clay; massive structure; wet when sampled; diffuse to; |
| 2C2u | 1.90 to 4.10 | Dark greenish grey (5GY31) moist; silty light medium clay; common 10-20% angular shell medium pebbles 6-20mm; massive structure; wet when sampled; diffuse to; |
| 2C3u | 4.10 to 5.30 | Very dark grey (2.5Y31) moist; silty light medium clay; massive structure; few 2-10% fine <2mm organic (humified) fragments; wet when sampled; clear to; |
| 3D1 | 5.30 to 6.00 | Grey (2.5Y51) moist; very few <2% medium 5-15mm faint brown mottles; sandy medium heavy clay; massive structure; moist when sampled; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.2 | 1.7 | |
| 0.30 | | | | | 4.3 | 3.2 | |
| 0.60 | | | | | 4.8 | 2.9 | |
| 0.80 | | | | | 5.8 | 3.5 | |
| 1.00 | | | | | 6.1 | 1.8 | |
| 1.25 | | | | | 6.1 | 1.5 | |
| 1.50 | | | | | 6.4 | 1.8 | |
| 1.75 | | | | | 6.6 | 1.7 | |
| 2.00 | | | | | 6.9 | 1.7 | |
| 2.25 | | | | | 6.9 | 1.8 | |
| 2.50 | | | | | 7.1 | 1.8 | |
| 2.75 | | | | | 7.2 | 1.6 | |
| 3.00 | | | | | 7.1 | 1.4 | |
| 3.25 | | | | | 7.2 | 1.7 | |
| 3.50 | | | | | 7.2 | 1.7 | |
| 3.75 | | | | | 7.2 | 1.8 | |
| 4.00 | | | | | 7.7 | 1.9 | |
| 4.25 | | | | | 7.6 | 1.5 | |
| 4.50 | | | | | 7.6 | 1.4 | |
| 4.75 | | | | | 7.9 | 1.4 | |
| 5.00 | | | | | 7.3 | 1.4 | |
| 5.50 | | | | | 7.6 | 1.5 | |
| 6.00 | | | | | 7.9 | 4.7 | |

Notes:

Project: SEA

Site: 2341

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56 506549 mE
ZONE 56 506443 mE

7062409 mN
7062221 mN

Described By: Barry, Earl

Date: 08-Jan-2001

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: Alluvium
Element: plain
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: Sulfuric, Redoxic, HYDROSOL

GSG: No record

PPF: No record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| S1 | 0.00 to 0.25 | Very dark grey (10YR31) moist; silty clay loam; massive structure; moist when sampled; clear to; |
| A1 | 0.25 to 0.40 | Black (10YR21) moist; silty clay loam; massive structure; moist when sampled; clear to; |
| 2B21 | 0.40 to 0.60 | Very dark greyish brown (2.5Y32) moist; very few <2% medium 5-15mm distinct yellow jarositic (from pyrite) mottles; silty medium clay; massive structure; moist when sampled; |
| 2C1u | 0.60 to 2.20 | Dark greenish grey (5GY31) moist; silty light medium clay; massive structure; few 2-10% organic (humified) root linings; wet when sampled; diffuse to; |
| 2C2u | 2.20 to 5.60 | Dark greenish grey (5GY31) moist; silty light medium clay; very few <2% angular shell medium pebbles 6-20mm; massive structure; wet when sampled; diffuse to; |
| 2C3u | 5.60 to 6.00 | Very dark grey (2.5Y31) moist; silty medium clay; massive structure; wet when sampled; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 3.1 | 2.4 | |
| 0.30 | | | | | 3.3 | 1.6 | |
| 0.50 | | | | | 3.4 | 1.4 | |
| 0.60 | | | | | 3.6 | 1.4 | |
| 0.80 | | | | | 5.2 | 1.5 | |
| 1.00 | | | | | 6.0 | 1.8 | |
| 1.25 | | | | | 6.6 | 1.7 | |
| 1.50 | | | | | 6.5 | 1.6 | |
| 1.75 | | | | | 6.6 | 1.6 | |
| 2.00 | | | | | 6.7 | 1.8 | |
| 2.25 | | | | | 7.1 | 1.5 | |
| 2.50 | | | | | 7.3 | 1.6 | |
| 2.75 | | | | | 7.1 | 1.6 | |
| 3.00 | | | | | 7.5 | 2.0 | |
| 3.25 | | | | | 7.3 | 2.0 | |
| 3.50 | | | | | 7.5 | 1.9 | |
| 3.75 | | | | | 7.3 | 1.8 | |
| 4.00 | | | | | 7.5 | 1.7 | |
| 4.25 | | | | | 7.6 | 1.8 | |
| 4.50 | | | | | 7.5 | 1.9 | |
| 4.75 | | | | | 7.4 | 1.7 | |
| 5.00 | | | | | 7.5 | 1.5 | |
| 5.50 | | | | | 7.5 | 1.5 | |
| 6.00 | | | | | 7.5 | 1.3 | |

Notes:

Site

pH of water in drain 3.8

Project: SEA

Site: 2342

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

506810 mE
506704 mE

7062364 mN
7062176 mN

Described By: Barry, Earl

Date: 09-Jan-2001

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: Alluvium
Element: plain
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: Sulfidic, Redoxic, HYDROSOL

GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| A1 | 0.00 to 0.20 | Black (10YR21) moist; silty clay loam; moist when sampled; abrupt to; |
| 2B2 | 0.20 to 0.50 | Dark grey (5Y41) moist; few 2-10% medium 5-15mm prominent brown mottles; silty medium clay; massive structure; moist when sampled; gradual to; |
| 2C1u | 0.50 to 1.60 | Dark greenish grey (5GY31) moist; silty light medium clay; massive structure; wet when sampled; gradual to; |
| 2C2u | 1.60 to 5.80 | Dark greenish grey (5GY31) moist; silty light medium clay; very few <2% subangular shell medium pebbles 6-20mm; massive structure; wet when sampled; diffuse to; |
| 3C3u | 5.80 to 6.00 | Black (2.5Y21) moist; silty light medium clay; few 2-10% medium 2-6mm organic (humified) fragments; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.2 | 3.1 | |
| 0.30 | | | | | 4.7 | 3.1 | |
| 0.60 | | | | | 6.3 | 1.6 | |
| 0.80 | | | | | 6.3 | 1.8 | |
| 1.00 | | | | | 6.5 | 1.8 | |
| 1.50 | | | | | 7.1 | 1.5 | |
| 2.00 | | | | | 7.0 | 1.5 | |
| 2.50 | | | | | 7.3 | 1.1 | |
| 3.00 | | | | | 7.4 | 1.3 | |
| 3.50 | | | | | 7.3 | 1.2 | |
| 4.00 | | | | | 7.4 | 1.8 | |
| 4.50 | | | | | 7.3 | 1.9 | |
| 5.00 | | | | | 7.3 | 1.7 | |
| 5.50 | | | | | 7.4 | 1.7 | |
| 6.00 | | | | | 7.1 | 2.1 | |

Notes:

Project: SEA

Site: 2343

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

507046 mE
506940 mE

7062634 mN
7062446 mN

Described By: Barry, Earl

Date: 09-Jan-2001

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: Alluvium
Element: plain
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: Sulfuric, Redoxic, HYDROSOL
GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| A1p | 0.00 to 0.40 | Black (10YR21) moist; sapric silty clay loam; weak 5-10mm subangular blocky structure; moist when sampled; abrupt to; |
| 2B21 | 0.40 to 0.80 | Greyish brown (2.5Y52) moist; common 10-20% medium 5-15mm prominent brown mottles; silty medium clay; massive structure; moist when sampled; clear to; |
| 2B3 | 0.80 to 1.10 | Dark grey (5Y41) moist; common 10-20% medium 5-15mm prominent brown mottles; silty medium clay; massive structure; very few <2% medium 2-6mm ferruginous root linings; wet when sampled; gradual to; |
| 2C1u | 1.10 to 2.20 | Dark greenish grey (5GY31) moist; silty light medium clay; massive structure; wet when sampled; diffuse to; |
| 2C2u | 2.20 to 5.80 | Dark greenish grey (5GY31) moist; silty medium clay; very few <2% angular shell medium pebbles 6-20mm; massive structure; wet when sampled; |
| 3C3u | 5.80 to 6.00 | Grey (2.5Y51) moist; silty medium clay; massive structure; few 2-10% medium 2-6mm organic (humified) fragments; wet when sampled; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.1 | 1.3 | |
| 0.30 | | | | | 3.8 | 1.7 | |
| 0.60 | | | | | 4.0 | 1.8 | |
| 0.80 | | | | | 4.0 | 1.7 | |
| 1.00 | | | | | 4.0 | 1.7 | |
| 1.25 | | | | | 6.4 | 1.8 | |
| 1.50 | | | | | 6.6 | 1.8 | |
| 2.00 | | | | | 6.9 | 2.1 | |
| 2.50 | | | | | 6.9 | 1.9 | |
| 3.00 | | | | | 7.0 | 2.5 | |
| 3.50 | | | | | 7.4 | 1.9 | |
| 4.00 | | | | | 7.4 | 2.9 | |
| 4.50 | | | | | 7.3 | 1.8 | |
| 5.00 | | | | | 7.4 | 2.3 | |
| 5.50 | | | | | 7.5 | 2.9 | |
| 6.00 | | | | | 7.4 | 1.8 | |

Notes:

Project: SEA

Site: 2344

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56 507080 mE
ZONE 56 506974 mE

7062892 mN
7062704 mN

Described By: Barry, Earl

Date: 09-Jan-2001

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: Alluvium
Element: plain
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: Sulfuric, Redoxic, HYDROSOL

GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| A1p | 0.00 to 0.40 | Black (10YR21) moist; sapric silty light clay; moist when sampled; abrupt to; |
| 2B21 | 0.40 to 0.80 | Dark grey (2.5Y41) moist; few 2-10% medium 5-15mm prominent brown mottles; silty medium clay; massive structure; very few <2% medium 2-6mm ferruginous root linings; moist when sampled; clear to; |
| 2B3 | 0.80 to 1.00 | Dark greenish grey (5GY31) moist; few 2-10% medium 5-15mm prominent brown mottles; silty light medium clay; massive structure; few 2-10% medium 2-6mm ferruginous root linings; wet when sampled; clear to; |
| 2C1u | 1.00 to 1.90 | Dark greenish grey (5GY31) moist; silty light medium clay; massive structure; wet when sampled; diffuse to; |
| 2C2u | 1.90 to 5.90 | Dark greenish grey (5GY31) moist; silty light medium clay; very few <2% angular shell medium pebbles 6-20mm; massive structure; wet when sampled; gradual to; |
| 3D1 | 5.90 to 6.03 | Greyish brown (2.5Y52) moist; few 2-10% medium 5-15mm faint yellow mottles; silty medium clay; massive structure; wet when sampled; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 3.9 | 1.9 | |
| 0.30 | | | | | 4.0 | 2.6 | |
| 0.60 | | | | | 4.0 | 3.0 | |
| 0.80 | | | | | 5.3 | 1.9 | |
| 1.00 | | | | | 6.3 | 1.6 | |
| 1.25 | | | | | 6.3 | 1.7 | |
| 1.50 | | | | | 6.9 | 1.6 | |
| 2.00 | | | | | 6.9 | 1.9 | |
| 2.50 | | | | | 7.4 | 1.4 | |
| 3.00 | | | | | 7.5 | 1.6 | |
| 3.50 | | | | | 7.5 | 1.9 | |
| 4.00 | | | | | 7.4 | 1.8 | |
| 4.50 | | | | | 7.4 | 1.9 | |
| 5.00 | | | | | 7.3 | 1.8 | |
| 5.50 | | | | | 7.3 | 1.6 | |
| 6.00 | | | | | 7.3 | 1.9 | |

Notes:

Project: SEA

Site: 2345

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

507710 mE
507604 mE

7061708 mN
7061520 mN

Described By: Barry, Earl

Date: 17-Jan-2001

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: Alluvium
Element: swamp
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: Sulfuric, Redoxic, HYDROSOL

GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| S1 | 0.00 to 0.30 | Dark olive grey (5Y32) moist; silty light medium clay; few 2-10% angular gravel medium pebbles 6-20mm; massive structure; clear to; |
| A1 | 0.30 to 0.70 | Black (10YR21) moist; fibric peat; massive structure; |
| 2B21 | 0.70 to 0.85 | Black (5Y2.52) moist; few 2-10% coarse 15-30mm distinct dark mottles; silty light clay; massive structure; clear to; |
| 2C1u | 0.85 to 2.00 | Dark grey (5Y41) moist; few 2-10% medium 5-15mm prominent brown mottles; silty medium clay; massive structure; clear to; |
| 2C2u | 2.00 to 2.80 | Dark greenish grey (10Y31) moist; silty light medium clay; very few <2% angular shell medium pebbles 6-20mm; massive structure; clear to; |
| 2C3u | 2.80 to 3.00 | Very dark grey (2.5Y31) moist; silty light medium clay; few 2-10% other small pebbles 2-6mm; gradual to; |
| 3D1 | 3.00 to 4.60 | Grey (2.5Y51) moist; common 10-20% medium 5-15mm prominent yellow mottles; medium heavy clay; massive structure; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 6.4 | 2.9 | |
| 0.30 | | | | | 5.9 | 1.9 | |
| 0.60 | | | | | 5.8 | 2.4 | |
| 0.80 | | | | | 5.8 | 1.8 | |
| 1.00 | | | | | 6.3 | 2.7 | |
| 1.25 | | | | | 6.1 | 2.9 | |
| 1.50 | | | | | 6.2 | 2.3 | |
| 1.75 | | | | | 6.2 | 2.3 | |
| 2.00 | | | | | 6.3 | 1.9 | |
| 2.25 | | | | | 6.6 | 2.0 | |
| 2.50 | | | | | 6.6 | 1.9 | |
| 2.75 | | | | | 6.7 | 1.4 | |
| 3.00 | | | | | 6.7 | 1.7 | |
| 3.25 | | | | | 6.7 | 2.9 | |
| 4.00 | | | | | 6.7 | 7.2 | |

Notes:

Location South west of Mt Coolum

Project: SEA

Site: 2346

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

507597 mE
507491 mE

7062662 mN
7062474 mN

Described By: Barry, Earl

Date: 22-Jan-2001

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: No record
Element: fan
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: Sulfuric, Redoxic, HYDROSOL
GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| A1p | 0.00 to 0.30 | Black (10YR21) moist; light medium clay; strong 20-50mm lenticular, strong 10-20mm angular blocky structure; moderately moist when sampled; clear to; |
| 2B21 | 0.30 to 0.80 | Grey (2.5Y51) moist; common 10-20% medium 5-15mm prominent orange mottles; medium clay; moderate 20-50mm lenticular structure; very few <2% fine <2mm ferruginous root linings; clear to; |
| 3D1 | 0.80 to 1.00 | Dark grey (10YR41) moist; few 2-10% fine <5mm prominent orange mottles; fine sandy light clay; massive structure; moist when sampled; gradual to; |
| 3D2 | 1.00 to 2.00 | Grey (N60) moist; many 20-50% very coarse >30mm prominent orange, very few <2% medium 5-15mm prominent red mottles; medium heavy clay; massive structure; moist when sampled; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.6 | 2.9 | |
| 0.30 | | | | | 4.6 | 2.9 | |
| 0.60 | | | | | 4.1 | 2.8 | |
| 0.80 | | | | | 4.0 | 2.6 | |
| 1.00 | | | | | 4.0 | 2.5 | |
| 1.25 | | | | | 4.3 | 3.2 | |
| 1.50 | | | | | 4.5 | 2.9 | |
| 1.75 | | | | | 5.0 | 2.8 | |
| 2.00 | | | | | 4.9 | 2.9 | |

Notes:

Project: SEA

Site: 2347

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

507508 mE
507402 mE

7062471 mN
7062283 mN

Described By: Barry, Earl

Date: 22-Jan-2001

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: No record
Element: plain
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: Sulfuric, Redoxic, HYDROSOL

GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| A1p | 0.00 to 0.35 | Black (10YR21) moist; sapric light clay; moderate 5-10mm angular blocky structure; clear to; |
| 2B21 | 0.35 to 0.90 | Grey (5Y51) moist; common 10-20% medium 5-15mm prominent orange mottles; silty medium clay; weak structure; gradual to; |
| 2B3 | 0.90 to 1.45 | Dark greenish grey (10Y41) moist; few 2-10% medium 5-15mm prominent orange, very few <2% medium 5-15mm distinct brown mottles; silty medium clay; massive structure; clear to; |
| 2C1u | 1.45 to 2.30 | Dark greenish grey (10Y31) moist; silty light medium clay; very few <2% angular shell small pebbles 2-6mm; massive structure; few 2-10% medium 2-6mm organic (humified) fragments; clear to; |
| 3C2u | 2.30 to 2.60 | Grey (2.5Y61) moist; sandy light clay; massive structure; clear to; |
| 4D1 | 2.60 to 3.50 | Grey (10YR51) moist; medium heavy clay; massive structure; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.2 | 2.5 | |
| 0.30 | | | | | 4.3 | 2.9 | |
| 0.60 | | | | | 4.3 | 2.7 | |
| 0.80 | | | | | 4.3 | 2.7 | |
| 1.00 | | | | | 4.7 | 2.7 | |
| 1.25 | | | | | 6.2 | 2.7 | |
| 1.50 | | | | | 6.2 | 1.4 | |
| 1.75 | | | | | 6.3 | 1.4 | |
| 2.00 | | | | | 6.4 | 1.4 | |
| 2.25 | | | | | 6.5 | 1.7 | |
| 2.50 | | | | | 6.6 | 1.8 | |
| 2.75 | | | | | 6.7 | 2.0 | |
| 3.00 | | | | | 6.8 | 2.4 | |
| 3.25 | | | | | 6.7 | 6.2 | |

Notes:

Project: SEA

Site: 2348

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56 507609 mE
ZONE 56 507503 mE

7062236 mN
7062048 mN

Described By: Barry, Earl

Date: 22-Jan-2001

Landscape:

Geology: No record
Landform Pattern: No record
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: No record
Element: No record
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: Sulfuric, Redoxic, HYDROSOL

GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| A1p | 0.00 to 0.35 | Black (10YR21) moist; sapric clay loam; moderate 5-10mm angular blocky structure; moderately moist when sampled; |
| 2B21 | 0.35 to 0.70 | Grey (2.5Y51) moist; many 20-50% coarse 15-30mm prominent orange, few 2-10% medium 5-15mm prominent orange mottles; silty medium clay; massive structure; moist when sampled; |
| 2B3 | 0.70 to 1.10 | Dark grey (2.5Y41) moist; common 10-20% medium 5-15mm prominent orange, common 10-20% medium 5-15mm prominent brown mottles; silty medium clay; massive structure; few 2-10% fine <2mm ferruginous root linings; moist when sampled; |
| 2C1u | 1.10 to 1.80 | Very dark grey (5Y31) moist; very few <2% fine <5mm prominent orange mottles; silty medium clay; massive structure; moist when sampled; |
| 3D1 | 1.80 to 2.37 | Grey (5Y51) moist; fine sandy medium clay; massive structure; moist when sampled; |

Field Tests:

No Record

Notes:

Location Below colluvial fan of hill

Project: SEA

Site: 2349

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56 507421 mE
ZONE 56 507315 mE

7062926 mN
7062738 mN

Described By: Adams, J (Justin)

Date: 24-Jan-2001

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: recently cultivated

Substrate Lithology: No record
Element: plain
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: Sulfuric, Redoxic, HYDROSOL

GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| Ap | 0.00 to 0.30 | Very dark greyish brown (10YR32) moist; light clay; weak 2-5mm granular structure; clear to; |
| B21i | 0.30 to 0.80 | Dark grey (10YR41) moist; common 10-20% medium 5-15mm distinct orange mottles; light medium clay; massive structure; gradual to; |
| B22i | 0.80 to 1.10 | Dark grey (2.5Y41) moist; few 2-10% medium 5-15mm distinct orange mottles; silty light clay; massive structure; gradual to; |
| 2C1 | 1.10 to 1.90 | Dark grey (5Y41) moist; silty light clay; massive structure; wet when sampled; gradual to; |
| 2C2 | 1.90 to 4.00 | Dark grey (5Y41) moist; silty light clay; few 2-10% angular shell small pebbles 2-6mm; massive structure; gradual to; |
| 3C3 | 4.00 to 4.10 | Dark grey (5Y41) moist; silty light clay; common 10-20% angular shell small pebbles 2-6mm; massive structure; gradual to; |
| 4C4 | 4.10 to 4.60 | Dark grey (10YR41) moist; few 2-10% fine <5mm distinct brown mottles; silty light clay; massive structure; very few <2% fine <2mm ferruginous nodules, few 2-10% medium 2-6mm organic (humified) fragments; clear to; |
| 5D1 | 4.60 to 4.80 | Grey (2.5Y51) moist; few 2-10% medium 5-15mm prominent orange, few 2-10% fine <5mm prominent brown mottles; light medium clay; massive structure; few 2-10% medium 2-6mm ferruginous nodules; |

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.0 | 1.9 | |
| 0.30 | | | | | 3.9 | 2.2 | |
| 0.60 | | | | | 4.2 | 2.3 | |
| 0.80 | | | | | 4.3 | 2.4 | |
| 1.00 | | | | | 5.4 | 2.1 | |
| 1.25 | | | | | 6.1 | 1.9 | |
| 1.50 | | | | | 6.5 | 1.9 | |
| 1.75 | | | | | 6.5 | 1.9 | |
| 2.00 | | | | | 6.6 | 1.9 | |
| 2.25 | | | | | 6.9 | 1.8 | |
| 2.50 | | | | | 6.8 | 1.8 | |
| 2.75 | | | | | 6.8 | 1.7 | |
| 3.00 | | | | | 7.0 | 1.9 | |
| 3.25 | | | | | 7.1 | 1.8 | |
| 3.50 | | | | | 7.2 | 1.8 | |
| 3.75 | | | | | 7.2 | 1.9 | |
| 4.00 | | | | | 7.3 | 2.0 | |
| 4.25 | | | | | 7.2 | 1.4 | |
| 4.50 | | | | | 7.3 | 1.7 | |
| 4.75 | | | | | 7.5 | 4.7 | |

Notes:

Project: SEA

Site: 2350

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

506165 mE
506059 mE

7058248 mN
7058060 mN

Described By: Manders, JA

Date: 14-Dec-2000

Landscape:

Geology: No record

Substrate Lithology: No record

Landform Pattern: No record

Element: No record

Classifications:

ASC: Sulfuric, Redoxic, HYDROSOL

GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| Ap | 0.00 to 0.10 | Black (10YR21) moist; light medium clay; weak 5-10mm angular blocky structure; dry when sampled; clear to; |
| B2 | 0.10 to 0.30 | Dark grey (10YR41) moist; few 2-10% coarse 15-30mm prominent orange mottles; medium clay; massive structure; moderately moist when sampled; clear to; |
| 2B21 | 0.30 to 0.55 | Greyish brown (10YR52) moist; few 2-10% coarse 15-30mm distinct dark mottles; sandy clay loam; massive structure; moist when sampled; clear to; |
| 2B22 | 0.55 to 0.70 | Light brownish grey (10YR62) moist; common 10-20% coarse 15-30mm prominent orange mottles; loamy sand; single grain structure; wet when sampled; clear to; |
| 2B3 | 0.70 to 1.45 | Yellowish brown (10YR58) moist; few 2-10% coarse 15-30mm prominent grey, very few <2% medium 5-15mm distinct orange mottles; sand; single grain structure; wet when sampled; abrupt to; |
| 2C1u | 1.45 to 1.95 | Very dark grey (5Y31) moist; clay loam, sandy; very few <2% angular shell medium pebbles 6-20mm; massive structure; wet when sampled; diffuse to; |
| 2C2u | 1.95 to 2.60 | Dark grey (5Y41) moist; clayey sand; very few <2% angular shell medium pebbles 6-20mm; single grain structure; wet when sampled; clear to; |
| 2C3u | 2.60 to 2.70 | Dark grey (5Y41) moist; sand; many 20-50% angular shell medium pebbles 6-20mm; single grain structure; wet when sampled; abrupt to; |
| 2C4u | 2.70 to 3.50 | Very dark grey (10YR31) moist; loamy sand; massive structure; wet when sampled; clear to; |
| 2C5u | 3.50 to 4.70 | Dark greyish brown (10YR42) moist; loamy sand; single grain structure; wet when sampled; abrupt to; |
| 3Bh | 4.70 to 4.72 | Very dark grey (10YR31) moist; loamy sand; massive structure; moderately cemented continuous massive organic pan; wet when sampled; |
| 4C6 | 4.72 to 5.00 | Light brownish grey (2.5Y62) moist; sand; single grain structure; wet when sampled; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.9 | 2.7 | |
| 0.30 | | | | | 5.8 | 5.5 | |
| 0.50 | | | | | 7.3 | 5.8 | |
| 0.60 | | | | | 7.2 | 5.9 | |
| 0.80 | | | | | 7.1 | 8.0 | |
| 1.00 | | | | | 7.6 | 6.0 | |
| 1.25 | | | | | 7.0 | 6.0 | |
| 1.50 | | | | | 7.2 | 3.7 | |
| 1.75 | | | | | 7.3 | 3.5 | |
| 2.00 | | | | | 7.4 | 2.2 | |
| 2.25 | | | | | 7.5 | 2.6 | |
| 2.50 | | | | | 7.6 | 2.0 | |
| 2.75 | | | | | 7.6 | 1.1 | |
| 3.00 | | | | | 7.8 | 1.0 | |
| 3.25 | | | | | 7.6 | 0.9 | |
| 3.50 | | | | | 7.4 | 1.2 | |
| 3.75 | | | | | 7.0 | 1.3 | |
| 4.00 | | | | | 7.1 | 1.7 | |
| 4.25 | | | | | 7.0 | 1.7 | |
| 4.50 | | | | | 6.9 | 2.4 | |
| 4.71 | | | | | 7.8 | 3.1 | |
| 4.75 | | | | | 7.3 | 2.1 | |
| 5.00 | | | | | 6.9 | 1.8 | |

Project: SEA **Site:**2351

Soil Name: No record

Location: GDA 94 ZONE 56 506260 mE 7054570 mN
Location: AGD 84 ZONE 56 506154 mE 7054382 mN

Described By: Manders, JA

Date: 14-Dec-2000

Landscape:

Geology: No record

Landform Pattern: alluvial plain

Runoff: No record

Microrelief: No record

Drainage: No record

Substrate Lithology: No record

Element: plain

Permeability: No record

Microrelief Component: No record

Slope: No record

Classifications:

ASC: Sulfuric, Redoxic, HYDROSOL

GSG: No record

PPF: No record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| Ap | 0.00 to 0.30 | Black (10YR21) moist; clay loam, sandy; weak 5-10mm angular blocky structure; dry when sampled; gradual to; |
| B21 | 0.30 to 0.50 | Dark greyish brown (10YR42) moist; few 2-10% coarse 15-30mm prominent brown mottles; heavy sandy clay loam; massive structure; moderately moist when sampled; gradual to; |
| B22 | 0.50 to 0.65 | Light brownish grey (10YR62) moist; few 2-10% coarse 15-30mm distinct brown mottles; clayey sand; massive structure; moist when sampled; |
| B23 | 0.65 to 0.90 | Grey (10YR51) moist; few 2-10% medium 5-15mm distinct brown mottles; heavy sandy clay loam; massive structure; moist when sampled; gradual to; |
| B24 | 0.90 to 1.40 | Greenish grey (10Y51) moist; many 20-50% very coarse >30mm prominent orange mottles; sand; single grain structure; wet when sampled; clear to; |
| B3 | 1.40 to 1.70 | Dark grey (2.5Y41) moist; clay loam, sandy; massive structure; wet when sampled; clear to; |
| C1u | 1.70 to 2.40 | Very dark grey (5Y31) moist; heavy sandy clay loam; few 2-10% angular shell medium pebbles 6-20mm; massive structure; wet when sampled; diffuse to; |
| C2u | 2.40 to 4.20 | Grey (5Y61) moist; sand; very few <2% angular shell small pebbles 2-6mm; single grain structure; wet when sampled; diffuse to; |
| C3u | 4.20 to 5.20 | Dark grey (5Y41) moist; loamy sand; very few <2% angular shell small pebbles 2-6mm; massive structure; wet when sampled; clear to; |
| C4u | 5.20 to 5.50 | Dark grey (5Y41) moist; heavy clayey sand; very few <2% angular shell small pebbles 2-6mm; massive structure; wet when sampled; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.3 | 2.4 | |
| 0.30 | | | | | 5.4 | 4.6 | |
| 0.50 | | | | | 6.7 | 5.0 | |
| 0.60 | | | | | 7.2 | 5.9 | |
| 0.80 | | | | | 7.4 | 6.6 | |
| 1.00 | | | | | 7.1 | 6.6 | |
| 1.25 | | | | | 6.5 | 5.1 | |
| 1.50 | | | | | 6.9 | 3.1 | |
| 1.75 | | | | | 7.1 | 1.7 | |
| 2.00 | | | | | 7.1 | 1.8 | |
| 2.25 | | | | | 7.0 | 1.8 | |
| 2.50 | | | | | 7.1 | 2.3 | |
| 2.75 | | | | | 7.1 | 2.1 | |
| 3.00 | | | | | 7.0 | 2.2 | |
| 3.25 | | | | | 6.9 | 2.1 | |
| 3.50 | | | | | 7.2 | 2.3 | |
| 3.75 | | | | | 7.1 | 2.5 | |
| 4.00 | | | | | 7.2 | 4.2 | |
| 4.25 | | | | | 7.4 | 2.5 | |
| 4.50 | | | | | 7.8 | 2.7 | |
| 4.75 | | | | | 7.9 | 2.7 | |
| 5.00 | | | | | 8.2 | 2.2 | |
| 5.25 | | | | | 8.0 | 2.1 | |
| 5.50 | | | | | 8.1 | 2.4 | |

Project: SEA

Site: 2352

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

506721 mE
506615 mE

7062941 mN
7062753 mN

Described By: Manders, JA

Date: 16-Jan-2001

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: No record
Element: plain
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: Sulfuric, Redoxic, HYDROSOL

GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| Ap | 0.00 to 0.25 | Black (10YR21) moist; heavy clay loam; weak 2-5mm angular blocky structure; dry when sampled; gradual to; |
| 2A | 0.25 to 0.60 | Black (10YR20) moist; sapric clay loam; strong <2mm granular structure; moist when sampled; clear to; |
| 3B1 | 0.60 to 0.80 | Dark brown (7.5YR33) moist; common 10-20% fine <5mm prominent dark, few 2-10% fine <5mm prominent orange mottles; fibric loam; strong <2mm granular structure; wet when sampled; abrupt to; |
| 3C1u | 0.80 to 1.20 | Very dark grey (5Y31) moist; silty light clay; massive structure; diffuse to; |
| 3C2u | 1.20 to 1.80 | Very dark grey (5Y31) moist; silty medium clay; massive structure; wet when sampled; diffuse to; |
| 3C3u | 1.80 to 4.80 | Very dark grey (5Y31) moist; silty medium clay; few 2-10% angular shell small pebbles 2-6mm; massive structure; wet when sampled; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 3.9 | 1.8 | |
| 0.30 | | | | | 3.6 | 2.2 | |
| 0.60 | | | | | 4.2 | 2.5 | |
| 0.70 | | | | | 4.1 | 2.4 | |
| 0.80 | | | | | 4.9 | 1.6 | |
| 1.00 | | | | | 6.3 | 1.7 | |
| 1.25 | | | | | 6.6 | 1.9 | |
| 1.50 | | | | | 6.9 | 1.8 | |
| 1.75 | | | | | 6.8 | 1.6 | |
| 2.00 | | | | | 7.3 | 1.8 | |
| 2.25 | | | | | 7.2 | 1.6 | |
| 2.50 | | | | | 7.3 | 1.8 | |
| 2.75 | | | | | 7.4 | 1.8 | |
| 3.00 | | | | | 7.4 | | |
| 3.25 | | | | | 7.6 | 1.9 | |
| 3.50 | | | | | 7.6 | 1.9 | |
| 3.75 | | | | | 7.6 | 1.9 | |
| 4.00 | | | | | 7.6 | 1.7 | |
| 4.25 | | | | | 7.6 | 2.2 | |
| 4.50 | | | | | 7.7 | 1.6 | |
| 4.75 | | | | | 7.5 | 1.6 | |

Notes:

Project: SEA

Site: 2353

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

506460 mE
506354 mE

7062946 mN
7062758 mN

Described By: Johnston, Philip Leslie Woodford

Date: 16-Jan-2001

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: No record
Element: plain
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: Sulfuric, Redoxic, HYDROSOL
GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| A1p | 0.00 to 0.25 | Black (10YR21) moist; clay loam; weak 2-5mm granular structure; wet when sampled; gradual to; |
| B2 | 0.25 to 0.50 | Very dark grey (5Y31) moist; few 2-10% medium 5-15mm distinct orange mottles; medium clay; weak 5-10mm subangular blocky structure; moderately moist when sampled; gradual to; |
| 2B2ia | 0.50 to 1.10 | Dark grey (5Y41) moist; few 2-10% medium 5-15mm faint yellow jarositic (from pyrite), common 10-20% medium 5-15mm distinct orange mottles; silty medium clay; massive structure; few 2-10% coarse 6-20mm ferruginous root linings; moderately moist when sampled; clear to; |
| 2C1u | 1.10 to 2.30 | Very dark grey (N30) moist; silty medium clay; common 10-20% angular shell small pebbles 2-6mm; massive structure; No decode(v) when sampled; |
| 2C2u | 2.30 to 3.00 | Very dark grey (N30) moist; silty medium clay; few 2-10% angular shell large pebbles 20-60mm; massive structure; wet when sampled; diffuse to; |
| 2C3u | 3.00 to 4.50 | Dark grey (N40) moist; silty medium clay; few 2-10% angular shell large pebbles 20-60mm; massive structure; wet when sampled; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.2 | 2.0 | |
| 0.30 | | | | | 4.5 | 2.9 | |
| 0.60 | | | | | 3.9 | 2.2 | |
| 0.80 | | | | | 3.5 | 1.9 | |
| 1.00 | | | | | 3.9 | 1.9 | |
| 1.25 | | | | | 5.9 | 1.9 | |
| 1.50 | | | | | 6.6 | 1.7 | |
| 1.75 | | | | | 6.9 | 1.7 | |
| 2.00 | | | | | 7.2 | 1.6 | |
| 2.25 | | | | | 7.3 | 1.7 | |
| 2.50 | | | | | 7.5 | 1.8 | |
| 2.75 | | | | | 7.6 | 2.1 | |
| 3.00 | | | | | 7.5 | 2.5 | |
| 3.25 | | | | | 7.5 | 1.8 | |
| 3.50 | | | | | 7.6 | 1.9 | |
| 3.75 | | | | | 7.6 | 1.7 | |
| 4.00 | | | | | 7.7 | 1.7 | |
| 4.25 | | | | | 7.9 | 1.7 | |
| 4.50 | | | | | 7.7 | 1.8 | |

Notes:

Project: SEA

Site: 2354

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

506261 mE
506155 mE

7063217 mN
7063029 mN

Described By: Manders, JA

Date: 16-Jan-2001

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: No record
Element: plain
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: Sulfuric, Redoxic, HYDROSOL
GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| Ap | 0.00 to 0.25 | Very dark grey (10YR31) moist; heavy clay loam; moderate 2-5mm angular blocky structure; dry when sampled; clear to; |
| B21 | 0.25 to 0.35 | Dark greyish brown (10YR42) moist; few 2-10% coarse 15-30mm distinct brown mottles; light clay; massive structure; moist when sampled; gradual to; |
| B22ia | 0.35 to 0.70 | Dark grey (2.5Y41) moist; few 2-10% coarse 15-30mm prominent brown, common 10-20% coarse 15-30mm prominent yellow jarositic (from pyrite) mottles; light medium clay; massive structure; few 2-10% medium 2-6mm ferruginous root linings; moist when sampled; diffuse to; |
| C1u | 0.70 to 1.90 | Very dark grey (5Y31) moist; silty light medium clay; massive structure; wet when sampled; gradual to; |
| C2u | 1.90 to 4.50 | Very dark grey (5Y31) moist; silty light medium clay; few 2-10% angular shell small pebbles 2-6mm; massive structure; wet when sampled; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 3.8 | 2.3 | |
| 0.30 | | | | | 3.4 | 1.6 | |
| 0.60 | | | | | 3.4 | 1.4 | |
| 0.80 | | | | | 5.8 | 1.6 | |
| 1.00 | | | | | 6.3 | 1.8 | |
| 1.25 | | | | | 6.9 | 1.7 | |
| 1.50 | | | | | 7.2 | 1.7 | |
| 1.75 | | | | | 7.5 | 1.7 | |
| 2.00 | | | | | 7.6 | 1.8 | |
| 2.25 | | | | | 7.6 | 1.9 | |
| 2.50 | | | | | 7.8 | 1.9 | |
| 2.75 | | | | | 7.7 | 1.8 | |
| 3.00 | | | | | 7.7 | 1.8 | |
| 3.25 | | | | | 7.9 | 1.8 | |
| 3.50 | | | | | 7.7 | 1.6 | |
| 3.75 | | | | | 7.9 | 2.4 | |
| 4.00 | | | | | 7.8 | 1.9 | |
| 4.25 | | | | | 7.6 | 1.8 | |

Notes:

Location 6m from drain, pH 6.0

Project: SEA

Site: 2355

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

506620 mE
506514 mE

7063186 mN
7062998 mN

Described By: Manders, JA

Date: 17-Jan-2001

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: No record
Element: plain
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: Redoxic, HYDROSOL
GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| Ap | 0.00 to 0.25 | Black (10YR21) moist; light medium clay; moderate 2-5mm subangular blocky structure; dry when sampled; gradual to; |
| B2 | 0.25 to 0.40 | Olive grey (5Y52) moist; common 10-20% medium 5-15mm prominent brown mottles; medium clay; massive structure; moderately moist when sampled; gradual to; |
| B3 | 0.40 to 0.80 | Dark grey (5Y41) moist; common 10-20% coarse 15-30mm prominent brown mottles; medium clay; massive structure; few 2-10% medium 2-6mm ferruginous root linings; moist when sampled; diffuse to; |
| C1u | 0.80 to 1.50 | Dark greenish grey (10Y31) moist; silty medium clay; massive structure; wet when sampled; diffuse to; |
| C2u | 1.50 to 4.30 | Dark greenish grey (10Y31) moist; silty medium clay; very few <2% angular shell small pebbles 2-6mm, very few <2% angular shell medium pebbles 6-20mm; massive structure; wet when sampled; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.0 | 1.9 | |
| 0.30 | | | | | 4.3 | 2.6 | |
| 0.60 | | | | | 4.3 | 2.7 | |
| 0.80 | | | | | 5.8 | 2.1 | |
| 1.00 | | | | | 6.2 | 2.2 | |
| 1.25 | | | | | 6.6 | 1.5 | |
| 1.50 | | | | | 6.9 | 1.5 | |
| 1.75 | | | | | 7.2 | 1.7 | |
| 2.00 | | | | | 7.4 | 2.1 | |
| 2.25 | | | | | 7.5 | 1.8 | |
| 2.50 | | | | | 7.4 | 2.2 | |
| 2.75 | | | | | 7.4 | 2.5 | |
| 3.00 | | | | | 7.7 | 1.9 | |
| 3.25 | | | | | 7.7 | 1.9 | |
| 3.50 | | | | | 7.7 | 1.7 | |
| 3.75 | | | | | 7.7 | 1.7 | |
| 4.00 | | | | | 8.1 | 1.8 | |
| 4.25 | | | | | 8.0 | 3.2 | |

Notes:

Location Southside of drain middle of headland, compacted surface

Project: SEA

Site: 2356

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

506865 mE
506759 mE

7063354 mN
7063166 mN

Described By: Manders, JA

Date: 17-Jan-2001

Landscape:

Geology: No record
Landform Pattern: No record
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: No record
Element: No record
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: Sulfuric, Redoxic, HYDROSOL
GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| A1 | 0.00 to 0.35 | Very dark grey (10YR31) moist; light clay; weak 2-5mm subangular blocky structure; dry when sampled; clear to; |
| B2 | 0.35 to 0.45 | Dark greyish brown (10YR42) moist; sandy light clay; weak 2-5mm subangular blocky structure; moderately moist when sampled; clear to; |
| 2A1 | 0.45 to 0.55 | Black (10YR21) moist; few 2-10% medium 5-15mm prominent brown, very few <2% medium 5-15mm prominent orange mottles; medium clay; weak structure; moderately moist when sampled; gradual to; |
| 2B2 | 0.55 to 0.70 | Dark grey (2.5Y41) moist; many 20-50% coarse 15-30mm prominent orange, very few <2% medium 5-15mm prominent brown mottles; sandy medium clay; massive structure; very few <2% medium 2-6mm ferruginous root linings; moist when sampled; diffuse to; |
| 2B3ia | 0.70 to 1.00 | Dark grey (5Y41) moist; common 10-20% medium 5-15mm prominent yellow jarositic (from pyrite), common 10-20% coarse 15-30mm prominent orange mottles; silty medium clay; massive structure; wet when sampled; clear to; |
| 2C1u | 1.00 to 1.50 | Very dark grey (5Y31) moist; silty medium clay; massive structure; wet when sampled; diffuse to; |
| 2C2u | 1.50 to 4.00 | Very dark grey (5Y31) moist; silty medium clay; very few <2% angular shell small pebbles 2-6mm, very few <2% angular shell medium pebbles 6-20mm; massive structure; wet when sampled; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.0 | 1.8 | |
| 0.30 | | | | | 3.6 | 1.6 | |
| 0.60 | | | | | 3.4 | 1.9 | |
| 0.80 | | | | | 3.2 | 1.8 | |
| 1.00 | | | | | 3.5 | 1.9 | |
| 1.25 | | | | | 4.4 | 2.0 | |
| 1.50 | | | | | 6.1 | 1.7 | |
| 1.75 | | | | | 6.7 | 1.9 | |
| 2.00 | | | | | 7.0 | 1.7 | |
| 2.25 | | | | | 7.2 | 1.7 | |
| 2.50 | | | | | 7.2 | 1.7 | |
| 3.00 | | | | | 7.3 | 2.0 | |
| 3.25 | | | | | 7.3 | 1.8 | |
| 3.50 | | | | | 7.2 | 2.7 | |
| 3.75 | | | | | 7.3 | 2.1 | |

Notes:

Project: SEA

Site: 2357

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

506247 mE
506141 mE

7062786 mN
7062598 mN

Described By: Manders, JA

Date: 17-Jan-2001

Landscape:

Geology: No record
Landform Pattern: No record
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: No record
Element: No record
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: Sulfuric, Redoxic, HYDROSOL
GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| Api | 0.00 to 0.25 | Black (10YR21) moist; sapric clay loam; moderate <2mm granular structure; moderately moist when sampled; clear to; |
| B21i | 0.25 to 0.35 | Dark greyish brown (10YR42) moist; few 2-10% fine <5mm distinct brown mottles; medium clay; massive structure; wet when sampled; clear to; |
| B22 | 0.35 to 0.60 | Dark greyish brown (10YR42) moist; few 2-10% medium 5-15mm distinct brown, common 10-20% coarse 15-30mm prominent yellow mottles; silty medium clay; massive structure; very few <2% medium 2-6mm ferruginous root linings; wet when sampled; clear to; |
| C1u | 0.60 to 1.50 | Very dark grey (10YR31) moist; silty medium clay; massive structure; wet when sampled; diffuse to; |
| C2u | 1.50 to 3.20 | Dark greenish grey (10Y31) moist; silty medium clay; few 2-10% angular shell small pebbles 2-6mm; massive structure; wet when sampled; diffuse to; |
| C3u | 3.20 to 4.50 | Dark greenish grey (10Y31) moist; silty medium clay; few 2-10% angular shell small pebbles 2-6mm, few 2-10% angular shell large pebbles 20-60mm; massive structure; wet when sampled; |

Described By: Manders, JA

Date: 17-Jan-2001

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 3.3 | 1.3 | |
| 0.30 | | | | | 3.3 | 1.1 | |
| 0.60 | | | | | 4.2 | 1.7 | |
| 0.80 | | | | | 5.3 | 1.8 | |
| 1.00 | | | | | 5.8 | 1.6 | |
| 1.25 | | | | | 6.5 | 1.8 | |
| 1.50 | | | | | 6.8 | 1.6 | |
| 1.75 | | | | | 6.8 | 1.7 | |
| 2.00 | | | | | 6.9 | 1.8 | |
| 2.25 | | | | | 7.4 | 1.8 | |
| 2.50 | | | | | 7.2 | 1.9 | |
| 2.75 | | | | | 7.4 | 2.0 | |
| 3.00 | | | | | 7.4 | 1.7 | |
| 3.25 | | | | | 7.5 | 1.8 | |
| 3.50 | | | | | 7.4 | 2.4 | |
| 3.75 | | | | | 7.3 | 2.9 | |
| 4.00 | | | | | 7.4 | 2.2 | |
| 4.25 | | | | | 7.4 | 2.6 | |

Notes:

Project: SEA

Site: 2358

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56 497980 mE
ZONE 56 497874 mE

7061798 mN
7061610 mN

Described By: Manders, JA

Date: 21-Jan-2001

Landscape:

Geology: No record
Landform Pattern: terrace
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: No record
Element: channel bench
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: Sulfidic, Redoxic, HYDROSOL

GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| Ap | 0.00 to 0.30 | Dark greyish brown (10YR42) moist; sandy light clay; weak 2-5mm angular blocky structure; dry when sampled; gradual to; |
| B21 | 0.30 to 0.50 | Dark greyish brown (10YR42) moist; few 2-10% coarse 15-30mm prominent brown mottles; sandy light medium clay; moderate 5-10mm angular blocky structure; moderately moist when sampled; gradual to; |
| B22 | 0.50 to 0.80 | Greenish grey (10Y51) moist; common 10-20% coarse 15-30mm prominent brown mottles; medium heavy clay; massive structure; moist when sampled; diffuse to; |
| B23 | 0.80 to 1.00 | Dark greenish grey (10Y41) moist; silty medium heavy clay; massive structure; moist when sampled; clear to; |
| 2C1 | 1.00 to 1.60 | Dark greenish grey (10Y31) moist; many 20-50% very coarse >30mm prominent pale, few 2-10% coarse 15-30mm prominent dark mottles; sapric light clay; massive structure; wet when sampled; clear to; |
| 3C2 | 1.60 to 2.10 | Very dark grey (2.5Y31) moist; fibric hemic peat; massive structure; wet when sampled; diffuse to; |
| 3C3 | 2.10 to 3.00 | Very dark grey (2.5Y31) moist; fibric light medium clay; massive structure; wet when sampled; clear to; |
| 3C4 | 3.00 to 3.30 | Dark grey (5Y41) moist; medium heavy clay; massive structure; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.6 | 2.7 | |
| 0.30 | | | | | 4.4 | 2.5 | |
| 0.60 | | | | | 4.9 | 3.1 | |
| 0.80 | | | | | 5.2 | 2.8 | |
| 1.00 | | | | | 4.8 | 2.7 | |
| 1.25 | | | | | 4.4 | 3.5 | |
| 1.50 | | | | | 4.7 | 2.1 | |
| 1.75 | | | | | 4.6 | 1.8 | |
| 2.00 | | | | | 4.6 | 1.8 | |
| 2.25 | | | | | 4.4 | 1.1 | |
| 2.50 | | | | | 4.8 | 1.3 | |
| 2.75 | | | | | 5.1 | 1.1 | |
| 3.00 | | | | | 5.3 | 1.6 | |
| 3.25 | | | | | 5.8 | 1.9 | |

Notes:

Project: SEA

Site: 2359

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

498041 mE
497935 mE

7061660 mN
7061472 mN

Described By: Manders, JA

Date: 21-Jan-2001

Landscape:

Geology: No record
Landform Pattern: terrace
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: No record
Element: levee
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: Brown, KANDOSOL
GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| Ap | 0.00 to 0.45 | Very dark greyish brown (10YR32) moist; sandy light clay; weak 2-5mm angular blocky structure; dry when sampled; diffuse to; |
| B21 | 0.45 to 0.80 | Greyish brown (2.5Y52) moist; few 2-10% medium 5-15mm distinct brown mottles; sandy light medium clay; massive structure; dry when sampled; diffuse to; |
| B22 | 0.80 to 1.90 | Light olive brown (2.5Y56) moist; few 2-10% coarse 15-30mm distinct grey mottles; sandy medium clay; massive structure; moderately moist when sampled; diffuse to; |
| 2B21 | 1.90 to 2.10 | Very dark grey (2.5Y31) moist; very few <2% coarse 15-30mm prominent brown mottles; clay loam, sandy; massive structure; moderately moist when sampled; diffuse to; |
| 2B22 | 2.10 to 2.20 | Greyish brown (2.5Y53) moist; few 2-10% coarse 15-30mm prominent brown mottles; sandy clay loam; massive structure; moderately moist when sampled; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.4 | 2.4 | |
| 0.30 | | | | | 4.8 | 2.9 | |
| 0.60 | | | | | 5.4 | 3.5 | |
| 0.80 | | | | | 5.8 | 4.2 | |
| 1.00 | | | | | 6.0 | 3.5 | |
| 1.25 | | | | | 6.0 | 4.1 | |
| 1.50 | | | | | 5.9 | 4.1 | |
| 1.75 | | | | | 5.9 | 4.3 | |
| 2.00 | | | | | 5.9 | 4.3 | |
| 2.20 | | | | | 5.7 | 4.4 | |

Notes:

Location Headland

Project: SEA

Site: 2360

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

498072 mE
497966 mE

7062006 mN
7061818 mN

Described By: Manders, JA

Date: 22-Jan-2001

Landscape:

Geology: No record
Landform Pattern: No record
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: No record
Element: No record
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: Sulfidic, Redoxic, HYDROSOL

GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| Ap | 0.00 to 0.20 | Dark brown (10YR33) moist; light clay; weak 5-10mm angular blocky structure; dry when sampled; gradual to; |
| B21 | 0.20 to 0.40 | Dark grey (10YR41) moist; few 2-10% coarse 15-30mm prominent orange mottles; medium clay; moderate 2-5mm subangular blocky structure; moderately moist when sampled; clear to; |
| B22 | 0.40 to 0.50 | Dark grey (10YR41) moist; few 2-10% medium 5-15mm faint brown mottles; medium clay; massive structure; wet when sampled; clear to; |
| C1u | 0.50 to 1.10 | Dark olive grey (5Y32) moist; silty medium clay; massive structure; wet when sampled; abrupt to; |
| 2C2u | 1.10 to 1.50 | Very dark grey (5Y31) moist; sandy light clay; massive structure; wet when sampled; gradual to; |
| 3C3u | 1.50 to 2.30 | Dark grey (2.5Y41) moist; coarse sand; single grain structure; wet when sampled; |
| 3C4u | 2.30 to 2.50 | Dark grey (2.5Y41) moist; Gravel; very abundant >90% subangular gravel medium pebbles 6-20mm; single grain structure; wet when sampled; |
| 3C5u | 2.50 to 2.70 | Dark grey (2.5Y41) moist; coarse sand; single grain structure; wet when sampled; |
| 4C6u | 2.70 to 2.80 | Redish black (2.5YR2.51) moist; massive structure; wet when sampled; |
| 4C7u | 2.80 to 3.50 | Very dark grey (5Y31) moist; coarse sand; single grain structure; wet when sampled; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.5 | 2.4 | |
| 0.30 | | | | | 5.4 | 4.3 | |
| 0.60 | | | | | 6.1 | 2.7 | |
| 0.80 | | | | | 6.2 | 2.1 | |
| 1.00 | | | | | 6.3 | 2.9 | |
| 1.25 | | | | | 6.3 | 2.8 | |
| 1.50 | | | | | 6.4 | 2.5 | |
| 1.75 | | | | | 6.8 | 2.4 | |
| 2.00 | | | | | 6.4 | 2.1 | |
| 2.25 | | | | | 6.7 | 2.3 | |
| 2.75 | | | | | 6.3 | 2.1 | |
| 3.00 | | | | | 6.4 | 2.1 | |
| 3.25 | | | | | 7.0 | 1.5 | |
| 3.50 | | | | | 6.9 | 1.3 | |

Notes:

Project: SEA

Site: 2361

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56 498995 mE
ZONE 56 498889 mE

7060664 mN
7060476 mN

Described By: Manders, JA

Date: 24-Jan-2001

Landscape:

Geology: No record
Landform Pattern: No record
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: No record
Element: No record
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: Sulfidic, Redoxic, HYDROSOL

GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| Ap | 0.00 to 0.10 | Very dark greyish brown (10YR32) moist; light clay; weak 2-5mm granular structure; dry when sampled; gradual to; |
| B21 | 0.10 to 0.45 | Brown (10YR43) moist; common 10-20% medium 5-15mm distinct orange mottles; light medium clay; massive structure; moderately moist when sampled; diffuse to; |
| B22 | 0.45 to 0.95 | Dark grey (10YR41) moist; common 10-20% coarse 15-30mm prominent orange mottles; light medium clay; massive structure; moist when sampled; clear to; |
| 2C1 | 0.95 to 1.10 | Dark grey (2.5Y41) moist; silty light medium clay; massive structure; wet when sampled; abrupt to; |
| 2C2u | 1.10 to 1.45 | Black (2.5Y21) moist; fibric peat; massive structure; wet when sampled; abrupt to; |
| 2C3u | 1.45 to 1.65 | Very dark grey (2.5Y31) moist; silty light clay; massive structure; wet when sampled; abrupt to; |
| 3D1 | 1.65 to 2.50 | Greenish grey (10G51) moist; silty medium heavy clay; massive structure; wet when sampled; clear to; |
| 3D2 | 2.50 to 3.00 | Greenish grey (10G51) moist; few 2-10% medium 5-15mm faint gley, very few <2% medium 5-15mm faint brown mottles; silty medium heavy clay; massive structure; wet when sampled; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.3 | 2.5 | |
| 0.30 | | | | | 4.8 | 3.4 | |
| 0.60 | | | | | 5.2 | 3.4 | |
| 0.80 | | | | | 5.8 | 3.1 | |
| 1.00 | | | | | 6.4 | 3.0 | |
| 1.25 | | | | | 6.3 | 1.2 | |
| 1.50 | | | | | 6.5 | 1.3 | |
| 1.75 | | | | | 6.7 | 1.8 | |
| 2.00 | | | | | 6.9 | 2.0 | |
| 2.25 | | | | | 7.1 | 8.0 | |
| 2.50 | | | | | 7.2 | 8.0 | |
| 2.75 | | | | | 7.1 | 7.6 | |
| 3.00 | | | | | 7.3 | 7.4 | |

Notes:

Project: SEA

Site: 2362

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56 499420 mE
ZONE 56 499314 mE

7060711 mN
7060523 mN

Described By: Watling, KM

Date: 24-Jan-2001

Landscape:

Geology: No record
Landform Pattern: No record
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: No record
Element: No record
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: Redoxic, HYDROSOL

GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| A1p | 0.00 to 0.30 | Very dark greyish brown (10YR32) moist; heavy clay loam; weak 2-5mm granular structure; dry when sampled; diffuse to; |
| A12 | 0.30 to 1.10 | Brown (10YR43) moist; light clay; weak 2-5mm granular structure; moist when sampled; gradual to; |
| 2B21 | 1.10 to 1.40 | Dark grey (10YR41) moist; few 2-10% medium 5-15mm distinct brown, few 2-10% medium 5-15mm distinct orange mottles; light medium clay; massive structure; moist when sampled; clear to; |
| 2B22 | 1.40 to 1.90 | Grey (10YR51) moist; many 20-50% coarse 15-30mm prominent orange, common 10-20% coarse 15-30mm distinct brown, very few <2% fine <5mm distinct dark mottles; light medium clay; massive structure; few 2-10% medium 2-6mm ferruginous nodules; moist when sampled; sharp to; |
| 3C1 | 1.90 to 2.05 | Grey (5Y51) moist; clayey sand; single grain structure; wet when sampled; abrupt to; |
| 4C2u | 2.05 to 2.30 | Dark grey (10YR41) moist; silty light clay; massive structure; few 2-10% fine <2mm organic (humified) fragments; wet when sampled; clear to; |
| 5C3u | 2.30 to 3.30 | Very dark grey (5Y31) moist; sapric fine sandy light clay; massive structure; few 2-10% fine <2mm organic (humified) fragments; wet when sampled; sharp to; |
| 5C4u | 3.30 to 4.20 | Very dark grey (5Y31) moist; sandy light clay; massive structure; few 2-10% fine <2mm organic (humified) fragments; wet when sampled; clear to; |
| 6C5u | 4.20 to 4.50 | Very dark grey (5Y31) moist; coarse sand; few 2-10% angular gravel cobbles 60-200mm, common 10-20% angular gravel medium pebbles 6-20mm; No decode(g) when sampled; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.7 | 2.7 | |
| 0.30 | | | | | 5.2 | 3.3 | |
| 0.60 | | | | | 5.7 | 3.4 | |
| 0.80 | | | | | 5.4 | 3.4 | |
| 1.00 | | | | | 5.6 | 3.3 | |
| 1.25 | | | | | 5.7 | 2.9 | |
| 1.50 | | | | | 5.4 | 2.8 | |
| 1.75 | | | | | 4.8 | 3.0 | |
| 2.00 | | | | | 6.0 | 2.6 | |
| 2.25 | | | | | 6.0 | 1.5 | |
| 2.50 | | | | | 6.0 | 1.2 | |
| 2.75 | | | | | 6.1 | 1.4 | |
| 3.00 | | | | | 6.3 | 1.5 | |
| 3.25 | | | | | 6.6 | 1.6 | |
| 3.50 | | | | | 7.1 | 1.8 | |
| 3.75 | | | | | 7.0 | 1.7 | |
| 4.00 | | | | | 6.6 | 1.6 | |
| 4.25 | | | | | 7.3 | 1.7 | |
| 4.50 | | | | | 7.1 | 1.7 | |

Notes:

Project: SEA

Site: 2363

Soil Name: No record

Location: GDA 94

ZONE 56

500183 mE

7060833 mN

Location: AGD 84

ZONE 56

500077 mE

7060645 mN

Described By: Johnston, Philip Leslie Woodford

Date: 24-Jan-2001

Landscape:

Geology: No record

Landform Pattern: alluvial plain

Runoff: No record

Microrelief: No record

Drainage: No record

Surface Coarse Fragments: No record

Surface Condition: No record

Substrate Lithology: No record

Element: No record

Permeability: No record

Microrelief Component: No record

Slope: No record

Classifications:

ASC: Black, DERMOSOL

GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| A1p | 0.00 to 0.10 | Very dark greyish brown (10YR32) moist; sandy light clay; weak 2-5mm granular structure; moist when sampled; gradual to; |
| B21 | 0.10 to 0.50 | Very dark greyish brown (2.5Y32) moist; few 2-10% medium 5-15mm distinct orange mottles; clay loam, sandy; moderate 5-10mm subangular blocky structure; gradual to; |
| B22 | 0.50 to 0.70 | Very dark grey (10YR31) moist; few 2-10% medium 5-15mm distinct orange mottles; sandy light clay; weak 5-10mm subangular blocky structure; gradual to; |
| 2C1 | 0.70 to 1.00 | Dark grey (5Y41) moist; common 10-20% medium 5-15mm prominent brown, very few <2% fine <5mm prominent orange mottles; medium heavy clay; massive structure; clear to; |
| 2C2 | 1.00 to 3.20 | Black (2.5Y21) moist; few 2-10% coarse 15-30mm distinct brown mottles; medium heavy clay; massive structure; gradual to; |
| 2C3 | 3.20 to 4.10 | Black (2.5Y21) moist; medium heavy clay; massive structure; gradual to; |
| 2C4 | 4.10 to 4.90 | Very dark grey (2.5Y31) moist; few 2-10% medium 5-15mm faint brown, few 2-10% coarse 15-30mm distinct pale mottles; medium heavy clay; massive structure; gradual to; |
| 3C5 | 4.90 to 5.50 | Dark grey (2.5Y41) moist; common 10-20% coarse 15-30mm distinct brown mottles; sandy light medium clay; massive structure; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.8 | 3.0 | |
| 0.30 | | | | | 4.9 | 3.2 | |
| 0.60 | | | | | 5.2 | 3.2 | |
| 0.80 | | | | | 5.5 | 3.6 | |
| 1.00 | | | | | 5.7 | 3.5 | |
| 1.25 | | | | | 5.9 | 3.7 | |
| 1.50 | | | | | 6.2 | 4.0 | |
| 1.75 | | | | | 6.2 | 3.9 | |
| 2.00 | | | | | 6.3 | 4.9 | |
| 2.25 | | | | | 6.1 | 3.8 | |
| 2.50 | | | | | 6.3 | 4.1 | |
| 2.75 | | | | | 6.6 | 6.2 | |
| 3.00 | | | | | 7.1 | 6.8 | |
| 3.25 | | | | | 6.3 | 6.4 | |
| 3.50 | | | | | 6.7 | 6.7 | |
| 3.75 | | | | | 6.7 | 6.1 | |
| 4.00 | | | | | 6.6 | 5.8 | |
| 4.25 | | | | | 6.8 | 5.7 | |
| 4.50 | | | | | 7.0 | 5.8 | |
| 4.75 | | | | | 6.9 | 5.9 | |
| 5.00 | | | | | 6.9 | 6.1 | |
| 5.50 | | | | | 7.0 | 6.3 | |

Notes:

Project: SEA

Site: 2364

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56 497571 mE
ZONE 56 497465 mE

7060770 mN
7060582 mN

Described By: Manders, JA

Date: 25-Jan-2001

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: No record
Element: No record
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: Black, DERMOSOL
GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| A1 | 0.00 to 0.10 | Dark greyish brown (10YR42) moist; light medium clay; moderate 2-5mm angular blocky structure; dry when sampled; clear to; |
| B21 | 0.10 to 0.65 | Dark yellowish brown (10YR44) moist; sandy light clay; weak 2-5mm granular structure; moderately moist when sampled; diffuse to; |
| B22 | 0.65 to 1.10 | Dark yellowish brown (10YR44) moist; sandy loam; very few <2% angular charcoal small pebbles 2-6mm; weak 2-5mm granular structure; moderately moist when sampled; diffuse to; |
| C1 | 1.10 to 1.60 | Yellowish brown (10YR54) moist; loamy sand; few 2-10% angular charcoal medium pebbles 6-20mm, few 2-10% angular gravel small pebbles 2-6mm; single grain structure; moist when sampled; clear to; |
| 2C2 | 1.60 to 1.85 | Dark yellowish brown (10YR44) moist; coarse sand; few 2-10% angular charcoal large pebbles 20-60mm, many 20-50% angular gravel small pebbles 2-6mm; massive structure; moist when sampled; clear to; |
| 3C3 | 1.85 to 2.40 | Grey (2.5Y61) moist; common 10-20% coarse 15-30mm prominent brown mottles; sandy light medium clay; very few <2% angular gravel large pebbles 20-60mm; massive structure; wet when sampled; abrupt to; |
| 4C4 | 2.40 to 3.05 | Dark grey (2.5Y41) moist; coarse sand; many 20-50% angular gravel small pebbles 2-6mm, very few <2% angular gravel large pebbles 20-60mm; massive structure; wet when sampled; sharp to; |
| 5D | 3.05 to 3.40 | Light greenish grey (10Y71) moist; few 2-10% medium 5-15mm distinct gley mottles; medium heavy clay; common 10-20% angular gravel small pebbles 2-6mm; massive structure; wet when sampled; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 5.4 | 2.8 | |
| 0.30 | | | | | 5.5 | 3.2 | |
| 0.60 | | | | | 5.3 | 3.2 | |
| 0.80 | | | | | 5.2 | 3.3 | |
| 1.00 | | | | | 5.2 | 3.2 | |
| 1.25 | | | | | 5.0 | 3.2 | |
| 1.50 | | | | | 5.7 | 3.6 | |
| 1.75 | | | | | 5.8 | 4.7 | |
| 2.00 | | | | | 5.6 | 3.7 | |
| 2.25 | | | | | 5.6 | 3.1 | |
| 2.50 | | | | | 6.0 | 3.0 | |
| 2.75 | | | | | 6.0 | 3.7 | |
| 3.00 | | | | | 6.2 | 2.2 | |
| 3.25 | | | | | | 5.0 | |

Notes:

Location Yandina - Caboolture Ck, off side road near cane paddock.

Project: SEA

Site: 2365

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

497586 mE
497480 mE

7060770 mN
7060582 mN

Described By: Manders, JA

Date: 25-Jan-2001

Landscape:

Geology: No record
Landform Pattern: plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: No record
Element: No record
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: Black, DERMOSOL

GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| C1 | 0.00 to 0.65 | Dark greenish grey (10Y31) moist; silty light medium clay; massive structure; wet when sampled; clear to; |
| C2 | 0.65 to 0.90 | Dark greenish grey (10Y31) moist; silty light medium clay; massive structure; wet when sampled; clear to; |
| 2C3 | 0.90 to 1.30 | Dark grey (5Y41) moist; clayey coarse sand; few 2-10% angular charcoal medium pebbles 6-20mm, many 20-50% angular gravel small pebbles 2-6mm; massive structure; wet when sampled; abrupt to; |
| 3D | 1.30 to 1.40 | Light greenish grey (5GY71) moist; medium heavy clay; massive structure; wet when sampled; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe) |
|-----------|-----------|------------|------|------|------|------|---------------------------------|
| 0.10 | | | | | 6.5 | | |
| 0.30 | | | | | 6.6 | | |
| 0.60 | | | | | 6.6 | | |
| 0.80 | | | | | 6.5 | | |
| 1.00 | | | | | 6.1 | | |
| 1.25 | | | | | 6.3 | | |
| 1.35 | | | | | 6.5 | | |

Notes:

Project: SEA

Site: 2366

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56 498102 mE
ZONE 56 497996 mE

7061347 mN
7061159 mN

Described By: Manders, JA

Date: 25-Jan-2001

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: No record
Element: No record
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: Black, DERMOSOL
GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| A1p | 0.00 to 0.10 | Dark yellowish brown (10YR44) moist; light clay; weak 2-5mm granular structure; dry when sampled; gradual to; |
| A12 | 0.10 to 1.10 | Dark yellowish brown (10YR44) moist; light clay; weak 2-5mm granular structure; moist when sampled; gradual to; |
| B21 | 1.10 to 1.40 | Greyish brown (2.5Y52) moist; common 10-20% medium 5-15mm distinct brown, few 2-10% medium 5-15mm distinct orange mottles; sandy light medium clay; massive structure; moist when sampled; clear to; |
| 2B2 | 1.40 to 1.55 | Grey (2.5Y51) moist; common 10-20% medium 5-15mm distinct brown, few 2-10% medium 5-15mm distinct orange mottles; coarse sandy light clay; common 10-20% angular gravel small pebbles 2-6mm; massive structure; moist when sampled; clear to; |
| 3C1 | 1.55 to 1.80 | Very dark grey (2.5Y31) moist; fibric clay loam; massive structure; wet when sampled; abrupt to; |
| 4C2u | 1.80 to 2.70 | Black (5Y2.51) moist; coarse sand; very few <2% angular gravel stones 200-600mm, many 20-50% subangular gravel small pebbles 2-6mm; single grain structure; wet when sampled; sharp to; |
| 5D | 2.70 to 3.00 | Dark greenish grey (5GY41) moist; sandy light medium clay; massive structure; wet when sampled; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.5 | 3.4 | |
| 0.30 | | | | | 3.8 | 2.7 | |
| 0.60 | | | | | 4.2 | 3.1 | |
| 0.80 | | | | | 4.5 | 3.2 | |
| 1.00 | | | | | 4.7 | 3.2 | |
| 1.25 | | | | | 4.9 | 3.0 | |
| 1.50 | | | | | 4.9 | 2.9 | |
| 1.75 | | | | | 5.6 | 1.8 | |
| 2.00 | | | | | 6.1 | 1.1 | |
| 2.25 | | | | | 6.5 | 1.3 | |
| 2.50 | | | | | 6.5 | 1.1 | |
| 2.75 | | | | | 6.9 | 1.8 | |
| 3.00 | | | | | 7.3 | 1.8 | |

Notes:

Location Yandina, cane paddock near Maroochy R.

Project: SEA

Site: 2367

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56 497805 mE
ZONE 56 497699 mE

7061481 mN
7061293 mN

Described By: Manders, JA

Date: 25-Jan-2001

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: No record
Element: swale
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: Black, DERMOSOL
GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| Ap | 0.00 to 0.15 | Very dark brown (10YR22) moist; medium heavy clay; strong 2-5mm angular blocky structure; moist when sampled; diffuse to; |
| B21 | 0.15 to 0.30 | Dark grey (10YR41) moist; very few <2% fine <5mm faint brown mottles; medium heavy clay; massive structure; moist when sampled; clear to; |
| B22 | 0.30 to 1.00 | Olive grey (5Y42) moist; common 10-20% very coarse >30mm prominent brown mottles; medium heavy clay; massive structure; moderately moist when sampled; clear to; |
| B23 | 1.00 to 1.20 | Grey (5Y51) moist; very few <2% fine <5mm faint brown, few 2-10% medium 5-15mm distinct gley mottles; medium heavy clay; weak 5-10mm angular blocky structure; moderately moist when sampled; diffuse to; |
| 2B2 | 1.20 to 1.40 | Greenish grey (10GY51) moist; few 2-10% coarse 15-30mm prominent dark, very few <2% medium 5-15mm distinct brown, very few <2% medium 5-15mm distinct gley mottles; medium clay; moderate 5-10mm angular blocky structure; moist when sampled; clear to; |
| 2C1u | 1.40 to 1.95 | Very dark greyish brown (2.5Y32) moist; fibric silty light clay; massive structure; wet when sampled; diffuse to; |
| 2C2u | 1.95 to 2.30 | Dark greenish grey (10Y31) moist; silty medium clay; massive structure; wet when sampled; clear to; |
| 2C3u | 2.30 to 3.00 | Dark greenish grey (10Y31) moist; sandy light clay; massive structure; wet when sampled; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 5.7 | 3.2 | |
| 0.30 | | | | | 5.5 | 3.9 | |
| 0.60 | | | | | 4.4 | 3.2 | |
| 0.80 | | | | | 4.0 | 3.1 | |
| 1.00 | | | | | 3.9 | 3.0 | |
| 1.25 | | | | | 3.9 | 2.2 | |
| 1.50 | | | | | 4.3 | 1.5 | |
| 1.75 | | | | | 4.7 | 1.3 | |
| 2.00 | | | | | 5.3 | 1.7 | |
| 2.25 | | | | | 5.5 | 1.8 | |
| 2.50 | | | | | 5.7 | 1.9 | |
| 2.75 | | | | | 5.8 | 2.0 | |
| 3.00 | | | | | 5.8 | 2.9 | |

Notes:

Project: SEA

Site: 2368

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56 498012 mE
ZONE 56 497906 mE

7062440 mN
7062252 mN

Described By: Manders, JA

Date: 30-Jan-2001

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: No record
Element: No record
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: Black, DERMOSOL
GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| Ap | 0.00 to 0.35 | Dark greyish brown (10YR42) moist; very few <2% fine <5mm faint orange mottles; light medium clay; very few <2% subangular gravel small pebbles 2-6mm; moderate 2-5mm angular blocky structure; dry when sampled; |
| 2B | 0.35 to 0.55 | Very dark grey (10YR31) moist; common 10-20% fine <5mm prominent dark, very few <2% medium 5-15mm faint yellow jarositic (from pyrite) mottles; medium clay; few 2-10% subangular charcoal small pebbles 2-6mm; moderate 2-5mm angular blocky structure; moderately moist when sampled; |
| 3B | 0.55 to 0.70 | Dark grey (10YR41) moist; common 10-20% medium 5-15mm prominent brown mottles; medium clay; very few <2% subangular gravel small pebbles 2-6mm; massive structure; moist when sampled; |
| 4C | 0.70 to 1.15 | Very dark greyish brown (10YR32) moist; few 2-10% fine <5mm prominent brown, few 2-10% medium 5-15mm prominent dark mottles; silty medium clay; few 2-10% angular charcoal medium pebbles 6-20mm; massive structure; moist when sampled; |
| 5D1 | 1.15 to 1.50 | Greyish brown (10YR52) moist; medium clay; massive structure; moist when sampled; diffuse to; |
| 5D2 | 1.50 to 3.00 | Grey (10YR61) moist; many 20-50% coarse 15-30mm prominent brown mottles; medium heavy clay; massive structure; wet when sampled; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 3.7 | 1.8 | |
| 0.30 | | | | | 4.2 | 2.6 | |
| 0.50 | | | | | 5.3 | 3.1 | |
| 0.60 | | | | | 5.6 | 4.7 | |
| 0.80 | | | | | 6.0 | 2.4 | |
| 1.00 | | | | | 6.0 | 2.6 | |
| 1.25 | | | | | 6.1 | 2.9 | |
| 1.50 | | | | | 6.3 | 3.1 | |
| 1.75 | | | | | 6.2 | 3.7 | |
| 2.00 | | | | | 6.1 | 3.6 | |

Notes:

Project: SEA

Site: 2369

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56 497601 mE
ZONE 56 497495 mE

7062889 mN
7062701 mN

Described By: Manders, JA

Date: 30-Jan-2001

Landscape:

Geology: No record
Landform Pattern: No record
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: No record
Element: No record
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: Sulfuric, Redoxic, HYDROSOL

GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| Ap | 0.00 to 0.15 | Very dark greyish brown (10YR32) moist; clay loam, sandy; weak 2-5mm angular blocky structure; moderately moist when sampled; clear to; |
| A2 | 0.15 to 0.30 | Very dark greyish brown (10YR32) moist; few 2-10% coarse 15-30mm prominent brown mottles; clay loam, sandy; weak 2-5mm angular blocky structure; moderately moist when sampled; |
| B21 | 0.30 to 0.45 | Dark grey (10YR41) moist; many 20-50% medium 5-15mm prominent dark mottles; clay loam, sandy; very few <2% angular charcoal large pebbles 20-60mm; weak 2-5mm angular blocky structure; few 2-10% fine <2mm organic (humified) fragments; wet when sampled; clear to; |
| 2B21 | 0.45 to 0.55 | Dark greyish brown (2.5Y42) moist; very few <2% coarse 15-30mm prominent brown mottles; coarse sandy clay loam; single grain structure; wet when sampled; clear to; |
| 2C1u | 0.55 to 0.90 | Very dark grey (5Y31) moist; clay loam, coarse sandy; very few <2% angular charcoal large pebbles 20-60mm; massive structure; wet when sampled; diffuse to; |
| 2C2u | 0.90 to 1.40 | Very dark grey (5Y31) moist; sandy light clay; massive structure; wet when sampled; diffuse to; |
| 2C3u | 1.40 to 2.40 | Very dark grey (5Y31) moist; fibric light clay; massive structure; wet when sampled; gradual to; |
| 2C4u | 2.40 to 2.60 | Very dark grey (5Y31) moist; silty medium clay; massive structure; wet when sampled; sharp to; |
| 3C5u | 2.60 to 3.30 | Dark greenish grey (10Y31) moist; coarse sand; single grain structure; wet when sampled; |
| 3C6u | 3.30 to 3.50 | Dark greenish grey (10Y31) moist; Gravel; single grain structure; wet when sampled; |
| 3C7u | 3.50 to 3.90 | Very dark grey (N30) moist; Gravel; single grain structure; wet when sampled; |
| 4D1 | 3.90 to 4.00 | Dark greenish grey (10GY41) moist; common 10-20% medium 5-15mm prominent gley mottles; medium clay; wet when sampled; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 3.5 | 1.1 | |
| 0.30 | | | | | 3.8 | 1.6 | |
| 0.60 | | | | | 5.3 | 1.3 | |
| 0.80 | | | | | 6.2 | 1.7 | |
| 1.00 | | | | | 6.3 | 0.9 | |
| 1.25 | | | | | 6.4 | 1.0 | |
| 1.50 | | | | | 6.6 | 1.5 | |
| 1.75 | | | | | 6.6 | 1.0 | |
| 2.00 | | | | | 7.0 | 1.0 | |
| 2.25 | | | | | 6.7 | 0.9 | |
| 2.50 | | | | | 6.8 | 1.1 | |
| 2.75 | | | | | 7.3 | 1.4 | |
| 3.00 | | | | | 7.6 | 1.2 | |
| 3.25 | | | | | 7.3 | 2.0 | |
| 3.50 | | | | | 7.5 | 1.4 | |
| 3.75 | | | | | 8.0 | 1.4 | |
| 4.00 | | | | | 7.3 | 2.4 | |

Project: SEA

Site: 2370

Location: GDA 94 ZONE 56 507346 mE 7054513 mN
Location: AGD 84 ZONE 56 507240 mE 7054325 mN

Described By: Manders, JA

Date: 13-Feb-2001

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: No record
Element: No record
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: Redoxic, HYDROSOL
GSG: No record **PPF:** No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| Ap | 0.00 to 0.25 | Very dark brown (10YR22) moist; light clay loam, sandy; moderate 2-5mm angular blocky structure; moderately moist when sampled; gradual to; |
| B21 | 0.25 to 0.45 | Dark brown (7.5YR33) moist; few 2-10% medium 5-15mm distinct brown, very few <2% medium 5-15mm prominent orange mottles; heavy clay loam, sandy; moderate 2-5mm subangular blocky structure; moderately moist when sampled; gradual to; |
| B22 | 0.45 to 0.70 | Pale yellow (2.5Y74) moist; very few <2% medium 5-15mm prominent orange mottles; sand; single grain structure; moist when sampled; clear to; |
| B23 | 0.70 to 1.00 | Light brownish grey (2.5Y62) moist; many 20-50% very coarse >30mm prominent orange mottles; loamy sand; single grain structure; wet when sampled; diffuse to; |
| B24 | 1.00 to 1.20 | Brownish yellow (10YR68) moist; light loamy sand; single grain structure; wet when sampled; clear to; |
| 2C1u | 1.20 to 1.70 | Dark greyish brown (2.5Y42) moist; few 2-10% medium 5-15mm distinct brown mottles; sandy light clay; massive structure; wet when sampled; clear to; |
| 2C2u | 1.70 to 2.10 | Very dark grey (5Y31) moist; clay loam, sandy; massive structure; wet when sampled; diffuse to; |
| 3C1u | 2.10 to 4.30 | Very dark grey (5Y31) moist; sand; single grain structure; wet when sampled; gradual to; |
| 4C2u | 4.30 to 5.50 | Dark olive grey (5Y32) moist; sandy clay loam; very few <2% angular shell small pebbles 2-6mm; massive structure; wet when sampled; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.7 | 2.5 | |
| 0.30 | | | | | 4.9 | 3.4 | |
| 0.60 | | | | | 4.9 | 3.5 | |
| 0.80 | | | | | 4.8 | 3.6 | |
| 1.00 | | | | | 4.6 | 3.6 | |
| 1.25 | | | | | 4.7 | 2.9 | |
| 1.50 | | | | | 4.9 | 1.8 | |
| 1.75 | | | | | 4.9 | 1.2 | |
| 2.00 | | | | | 4.8 | 1.3 | |
| 2.25 | | | | | 5.0 | 1.6 | |
| 2.50 | | | | | 5.0 | 1.7 | |
| 2.75 | | | | | 5.1 | 1.7 | |
| 3.00 | | | | | 5.1 | 1.8 | |
| 3.25 | | | | | 5.4 | 1.1 | |
| 3.50 | | | | | 5.6 | 1.5 | |
| 3.75 | | | | | 5.8 | 1.5 | |
| 4.00 | | | | | 6.0 | 1.8 | |
| 4.25 | | | | | 6.7 | 5.6 | |
| 4.50 | | | | | 7.1 | 4.4 | |
| 4.75 | | | | | 7.6 | 3.9 | |
| 5.00 | | | | | 7.7 | 4.1 | |
| 5.50 | | | | | 7.8 | 5.7 | |

Notes:

Project: SEA

Site: 2371

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56 507026 mE
ZONE 56 506920 mE

7054488 mN
7054300 mN

Described By: Manders, JA

Date: 13-Feb-2001

Landscape:

Geology: No record
Landform Pattern: No record
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: No record
Element: No record
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: Redoxic, HYDROSOL
GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| Ap | 0.00 to 0.25 | Black (10YR21) moist; clay loam, sandy; weak 2-5mm angular blocky structure; moderately moist when sampled; clear to; |
| B21 | 0.25 to 0.35 | Dark brown (10YR33) moist; heavy sandy clay loam; weak 2-5mm angular blocky structure; moderately moist when sampled; clear to; |
| B22 | 0.35 to 0.70 | Light brownish grey (2.5Y63) moist; very few <2% medium 5-15mm distinct orange mottles; sand; single grain structure; moist when sampled; gradual to; |
| B23 | 0.70 to 1.20 | Pale yellow (2.5Y73) moist; few 2-10% coarse 15-30mm prominent orange mottles; sand; single grain structure; wet when sampled; abrupt to; |
| B24 | 1.20 to 2.10 | Light greenish grey (10Y81) moist; very few <2% coarse 15-30mm faint orange mottles; sand; single grain structure; wet when sampled; gradual to; |
| C1 | 2.10 to 3.10 | Greenish grey (5GY51) moist; sand; single grain structure; wet when sampled; sharp to; |
| C2 | 3.10 to 3.40 | Dark olive grey (5Y32) moist; sandy loam; very few <2% angular shell small pebbles 2-6mm; massive structure; wet when sampled; sharp to; |
| C3 | 3.40 to 3.60 | Dark olive grey (5Y32) moist; sandy loam; common 10-20% angular shell medium pebbles 6-20mm; massive structure; wet when sampled; sharp to; |
| C4 | 3.60 to 4.10 | Grey (5Y61) moist; sand; very few <2% angular shell small pebbles 2-6mm; single grain structure; wet when sampled; gradual to; |
| C5 | 4.10 to 4.90 | Olive grey (5Y52) moist; sand; single grain structure; wet when sampled; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.5 | 3.0 | |
| 0.30 | | | | | 5.0 | 3.8 | |
| 0.60 | | | | | 5.1 | 4.9 | |
| 0.80 | | | | | 5.2 | 4.6 | |
| 1.00 | | | | | 5.2 | 4.8 | |
| 1.25 | | | | | 5.1 | 4.2 | |
| 1.50 | | | | | 5.2 | 4.2 | |
| 1.75 | | | | | 5.2 | 3.7 | |
| 2.00 | | | | | 5.3 | 2.6 | |
| 2.25 | | | | | 5.4 | 2.0 | |
| 2.50 | | | | | 5.4 | 1.5 | |
| 2.75 | | | | | 5.2 | 1.5 | |
| 3.00 | | | | | 5.4 | 2.0 | |
| 3.25 | | | | | 6.3 | 1.6 | |
| 3.50 | | | | | 7.8 | 2.6 | |
| 3.75 | | | | | 8.1 | 3.1 | |
| 4.00 | | | | | 8.0 | 4.4 | |
| 4.25 | | | | | 8.1 | 6.4 | |
| 4.50 | | | | | 8.1 | 3.7 | |
| 4.75 | | | | | 7.9 | 3.9 | |

Notes:

Project: SEA

Site: 2372

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

507656 mE
507550 mE

7054777 mN
7054589 mN

Described By: Manders, JA

Date: 27-Feb-2001

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: firm

Substrate Lithology: No record
Element: No record
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: Redoxic, HYDROSOL
GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| A11 | 0.00 to 0.15 | Black (10YR21) moist; clay loam, sandy; weak <2mm subangular blocky structure; dry when sampled; clear to; |
| A12 | 0.15 to 0.30 | Black (10YR21) moist; fine sandy light clay; weak 2-5mm subangular blocky structure; dry when sampled; clear to; |
| B21 | 0.30 to 0.50 | Very dark grey (10YR31) moist; few 2-10% coarse 15-30mm distinct dark, few 2-10% coarse 15-30mm distinct pale, few 2-10% medium 5-15mm prominent orange mottles; fine sandy light medium clay; moderately moist when sampled; clear to; |
| B3 | 0.50 to 0.80 | Greyish brown (10YR52) moist; few 2-10% coarse 15-30mm faint orange mottles; sand; single grain structure; moist when sampled; diffuse to; |
| C1 | 0.80 to 1.50 | Light grey (10YR71) moist; sand; single grain structure; wet when sampled; abrupt to; |
| 2C1 | 1.50 to 6.00 | Dark grey (5Y41) moist; sand; single grain structure; wet when sampled; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.4 | 2.3 | |
| 0.30 | | | | | 4.6 | 2.4 | |
| 0.60 | | | | | 4.6 | 3.0 | |
| 0.80 | | | | | 4.6 | 3.7 | |
| 1.00 | | | | | 4.5 | 4.0 | |
| 1.25 | | | | | 4.7 | 2.6 | |
| 1.50 | | | | | 4.4 | 1.9 | |
| 1.75 | | | | | 4.5 | 1.9 | |
| 2.00 | | | | | 4.3 | 1.9 | |
| 2.25 | | | | | 4.4 | 1.9 | |
| 2.50 | | | | | 4.3 | 1.8 | |
| 2.75 | | | | | 4.4 | 1.9 | |
| 3.00 | | | | | 4.4 | 1.8 | |
| 3.25 | | | | | 4.4 | 1.9 | |
| 3.50 | | | | | 4.6 | 2.1 | |
| 4.00 | | | | | 4.8 | 1.9 | |
| 4.50 | | | | | 5.2 | 1.9 | |
| 5.00 | | | | | 5.3 | 1.9 | |
| 5.50 | | | | | 5.7 | 2.0 | |
| 6.00 | | | | | 6.1 | 1.9 | |

Notes:

Project: SEA

Site: 2373

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

507666 mE
507560 mE

7055039 mN
7054851 mN

Described By: Manders, JA

Date: 27-Feb-2001

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: No record
Element: plain
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: Oxyaquic, HYDROSOL

GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| A11 | 0.00 to 0.35 | Very dark grey (10YR31) moist; loamy sand; weak structure; dry when sampled; gradual to; |
| A12 | 0.35 to 0.50 | Black (10YR21) moist; sandy loam; weak structure; moist when sampled; gradual to; |
| A13 | 0.50 to 0.65 | Black (10YR21) moist; sandy clay loam; weak structure; moist when sampled; diffuse to; |
| B2 | 0.65 to 1.15 | Very dark grey (10YR31) moist; sandy loam; single grain structure; wet when sampled; diffuse to; |
| C1 | 1.15 to 1.60 | Light grey (10YR71) moist; sand; single grain structure; wet when sampled; diffuse to; |
| C2 | 1.60 to 2.30 | Very dark grey (5Y31) moist; clayey sand; single grain structure; wet when sampled; diffuse to; |
| 2C3u | 2.30 to 3.50 | Very dark grey (5Y31) moist; heavy sandy loam; very few <2% angular shell small pebbles 2-6mm; massive structure; wet when sampled; diffuse to; |
| 2C4u | 3.50 to 6.00 | Dark grey (10YR41) moist; sand; very few <2% angular shell small pebbles 2-6mm; single grain structure; wet when sampled; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.3 | 2.3 | |
| 0.30 | | | | | 4.3 | 2.0 | |
| 0.60 | | | | | 4.5 | 2.3 | |
| 0.80 | | | | | 4.8 | 2.1 | |
| 1.00 | | | | | 5.3 | 2.0 | |
| 1.25 | | | | | 4.4 | 4.6 | |
| 1.50 | | | | | 4.9 | 3.1 | |
| 1.75 | | | | | 6.2 | 1.7 | |
| 2.00 | | | | | 6.5 | 1.8 | |
| 2.25 | | | | | 6.8 | 2.1 | |
| 2.50 | | | | | 6.9 | 2.0 | |
| 2.75 | | | | | 7.0 | 2.0 | |
| 3.00 | | | | | 7.3 | 2.0 | |
| 3.25 | | | | | 7.4 | 2.3 | |
| 3.50 | | | | | 7.4 | 5.4 | |
| 4.00 | | | | | 7.6 | 2.3 | |
| 4.50 | | | | | 7.5 | 2.7 | |
| 5.00 | | | | | 7.5 | 2.1 | |
| 5.50 | | | | | 7.5 | 2.7 | |

Notes:

Project: SEA

Site: 2374

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56 507205 mE
ZONE 56 507099 mE

7054637 mN
7054449 mN

Described By: Manders, JA

Date: 27-Jan-2001

Landscape:

Geology: No record
Landform Pattern: plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: No record
Element: swamp
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: Redoxic, HYDROSOL
GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| A1 | 0.00 to 0.15 | Black (10YR21) moist; sandy light clay; weak 2-5mm granular structure; moderately moist when sampled; clear to; |
| A3 | 0.15 to 0.35 | Dark grey (2.5Y41) moist; common 10-20% very coarse >30mm distinct dark, few 2-10% medium 5-15mm distinct orange mottles; sandy light medium clay; massive structure; moist when sampled; diffuse to; |
| 2B21 | 0.35 to 0.60 | Grey (5Y51) moist; common 10-20% medium 5-15mm distinct orange mottles; clayey sand; massive structure; wet when sampled; clear to; |
| 2B22 | 0.60 to 0.75 | Very dark greyish brown (2.5Y32) moist; very few <2% fine <5mm distinct orange mottles; clay loam, sandy; single grain structure; wet when sampled; clear to; |
| 2C1 | 0.75 to 1.40 | Light olive grey (5Y62) moist; sand; single grain structure; wet when sampled; clear to; |
| 2C2 | 1.40 to 1.70 | Very dark grey (5Y31) moist; loamy sand; single grain structure; wet when sampled; diffuse to; |
| 2C3 | 1.70 to 2.30 | Dark grey (5Y41) moist; sand; single grain structure; wet when sampled; clear to; |
| 2C4 | 2.30 to 2.70 | Very dark grey (5Y31) moist; sandy clay loam; single grain structure; wet when sampled; clear to; |
| 2C5 | 2.70 to 3.20 | Grey (5Y51) moist; sand; single grain structure; wet when sampled; diffuse to; |
| 2C6 | 3.20 to 4.00 | Dark grey (5Y41) moist; sandy loam; single grain structure; wet when sampled; diffuse to; |
| 2C7 | 4.00 to 6.00 | Grey (5Y61) moist; sand; very few <2% angular shell small pebbles 2-6mm; single grain structure; wet when sampled; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 6.1 | 4.4 | |
| 0.30 | | | | | 6.3 | 5.1 | |
| 0.60 | | | | | 6.6 | 4.3 | |
| 0.80 | | | | | 6.9 | 2.8 | |
| 1.00 | | | | | 7.1 | 5.2 | |
| 1.25 | | | | | 7.3 | 3.4 | |
| 1.50 | | | | | 7.2 | 1.9 | |
| 1.75 | | | | | 7.2 | 1.9 | |
| 2.00 | | | | | 7.1 | 2.0 | |
| 2.25 | | | | | 7.2 | 1.9 | |
| 2.50 | | | | | 7.3 | 1.7 | |
| 2.75 | | | | | 7.1 | 2.0 | |
| 3.00 | | | | | 7.1 | 2.1 | |
| 3.25 | | | | | 7.0 | 1.8 | |
| 3.50 | | | | | 6.9 | 1.9 | |
| 3.75 | | | | | 7.1 | 1.6 | |
| 4.00 | | | | | 7.1 | 1.5 | |
| 4.50 | | | | | 7.0 | 2.0 | |
| 5.00 | | | | | 7.1 | 1.9 | |
| 5.50 | | | | | 7.2 | 3.7 | |
| 6.00 | | | | | 7.3 | 2.5 | |

Project: SEA

Site: 2375

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

507665 mE
507559 mE

7055390 mN
7055202 mN

Described By: Manders, JA

Date: 28-Feb-2001

Landscape:

Geology: No record
Landform Pattern: plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: loose

Substrate Lithology: No record
Element: No record
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: Sulfuric, Redoxic, HYDROSOL
GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| A1 | 0.00 to 0.20 | Brown (10YR43) moist; pale brown (10YR63) dry; sand; single grain structure; dry when sampled; diffuse to; |
| B2 | 0.20 to 0.50 | Dark greyish brown (10YR42) moist; common 10-20% coarse 15-30mm prominent orange mottles; sand; single grain structure; moist when sampled; diffuse to; |
| B3 | 0.50 to 1.30 | Greyish brown (10YR52) moist; few 2-10% medium 5-15mm distinct orange mottles; sand; single grain structure; wet when sampled; sharp to; |
| C1 | 1.30 to 2.60 | Dark grey (5Y41) moist; loamy sand; single grain structure; wet when sampled; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.4 | 4.3 | |
| 0.30 | | | | | 3.9 | 3.7 | |
| 0.60 | | | | | 3.7 | 3.7 | |
| 0.80 | | | | | 3.6 | 2.7 | |
| 1.00 | | | | | 4.1 | 1.5 | |
| 1.25 | | | | | 3.9 | 1.4 | |
| 1.50 | | | | | 4.2 | 1.9 | |
| 1.75 | | | | | 4.9 | 1.7 | |
| 2.00 | | | | | 5.0 | 1.8 | |
| 2.25 | | | | | 5.3 | 1.7 | |
| 2.50 | | | | | 5.5 | 1.9 | |

Notes:

Project: SEA

Site: 2376

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56 507490 mE
ZONE 56 507384 mE

7055175 mN
7054987 mN

Described By: Manders, JA

Date: 28-Feb-2001

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: No record
Element: No record
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: Oxyaquic, HYDROSOL
GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| A11 | 0.00 to 0.25 | Black (10YR21) moist; sandy clay loam; weak 2-5mm subangular blocky structure; moderately moist when sampled; clear to; |
| A12 | 0.25 to 0.45 | Black (10YR21) moist; clay loam, sandy; weak 2-5mm subangular blocky structure; moist when sampled; gradual to; |
| 2B21 | 0.45 to 0.65 | Dark grey (10YR41) moist; few 2-10% medium 5-15mm distinct brown mottles; sandy clay loam; massive structure; moist when sampled; gradual to; |
| 2B3 | 0.65 to 1.10 | Greyish brown (2.5Y52) moist; very few <2% coarse 15-30mm distinct brown mottles; sand; single grain structure; wet when sampled; |
| 2C1 | 1.10 to 1.45 | Dark grey (5Y41) moist; sand; common 10-20% angular shell medium pebbles 6-20mm; single grain structure; wet when sampled; |
| 2C2 | 1.45 to 2.40 | Dark grey (5Y41) moist; clayey sand; very few <2% angular shell medium pebbles 6-20mm; single grain structure; wet when sampled; |
| 2C3 | 2.40 to 4.40 | Grey (5Y51) moist; sand; very few <2% angular shell small pebbles 2-6mm; single grain structure; wet when sampled; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.8 | 1.7 | |
| 0.30 | | | | | 4.7 | 1.5 | |
| 0.60 | | | | | 7.9 | 5.7 | |
| 0.80 | | | | | 7.1 | 5.7 | |
| 1.00 | | | | | 7.0 | 2.8 | |
| 1.25 | | | | | 7.1 | 2.7 | |
| 1.50 | | | | | 7.2 | 2.0 | |
| 1.75 | | | | | 7.4 | 2.0 | |
| 2.00 | | | | | 7.3 | 2.7 | |
| 2.25 | | | | | 7.5 | 2.4 | |
| 2.50 | | | | | 7.3 | 2.1 | |
| 2.75 | | | | | 7.5 | 2.2 | |
| 3.00 | | | | | 7.5 | 1.8 | |
| 3.25 | | | | | 7.3 | 2.1 | |
| 3.50 | | | | | 7.2 | 1.8 | |
| 3.75 | | | | | 7.3 | 2.2 | |
| 4.00 | | | | | 7.3 | 3.2 | |
| 4.25 | | | | | 7.5 | 1.9 | |

Notes:

Project: SEA

Site: 2377

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56 507479 mE
ZONE 56 507373 mE

7054044 mN
7053856 mN

Described By: Manders, JA

Date: 28-Feb-2001

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: firm

Substrate Lithology: No record
Element: No record
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: Redoxic, HYDROSOL
GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| A1 | 0.00 to 0.10 | Black (10YR21) moist; clay loam; weak structure; dry when sampled; clear to; |
| B21 | 0.10 to 0.30 | Dark greyish brown (10YR42) moist; few 2-10% coarse 15-30mm prominent orange mottles; clay loam, sandy; strong 2-5mm angular blocky structure; moderately moist when sampled; gradual to; |
| B22 | 0.30 to 0.40 | Greyish brown (10YR52) moist; very few <2% medium 5-15mm prominent orange mottles; sandy clay loam; massive structure; moist when sampled; clear to; |
| 2B21 | 0.40 to 0.50 | Light grey (10YR72) moist; few 2-10% coarse 15-30mm prominent orange mottles; sand; single grain structure; wet when sampled; clear to; |
| 2B22 | 0.50 to 0.80 | Brown (10YR53) moist; few 2-10% fine <5mm faint orange mottles; sand; single grain structure; sharp to; |
| 3C1 | 0.80 to 1.10 | Dark grey (10YR41) moist; sandy light medium clay; massive structure; wet when sampled; sharp to; |
| 3C2 | 1.10 to 2.10 | Black (5Y2.51) moist; sandy clay loam; massive structure; wet when sampled; abrupt to; |
| 4B21 | 2.10 to 2.70 | Very dark brown (10YR22) moist; loamy sand; single grain structure; wet when sampled; gradual to; |
| 4B22h | 2.70 to 3.20 | Very dark brown (10YR22) moist; loamy sand; single grain structure; weakly cemented discontinuous nodular ortstein; wet when sampled; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 3.7 | 2.2 | |
| 0.30 | | | | | 3.6 | 2.4 | |
| 0.60 | | | | | 4.1 | 2.9 | |
| 0.80 | | | | | 4.5 | 1.9 | |
| 1.00 | | | | | 4.4 | 1.4 | |
| 1.25 | | | | | 4.4 | 1.5 | |
| 1.50 | | | | | 4.3 | 1.5 | |
| 1.75 | | | | | 4.4 | 1.5 | |
| 2.00 | | | | | 4.5 | 1.5 | |
| 2.25 | | | | | 4.7 | 1.4 | |
| 2.50 | | | | | 5.0 | 2.5 | |
| 2.75 | | | | | 5.2 | 2.4 | |
| 3.00 | | | | | 5.4 | 2.0 | |

Notes:

Project: SEA

Site: 2378

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

507417 mE
507311 mE

7054318 mN
7054130 mN

Described By: Manders, JA

Date: 01-Mar-2001

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: No record
Element: No record
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: Sulfidic, Redoxic, HYDROSOL
GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| A1 | 0.00 to 0.35 | Black (10YR20) moist; very few <2% fine <5mm faint brown mottles; sapric clay loam, sandy; weak 2-5mm granular structure; moderately moist when sampled; clear to; |
| B2 | 0.35 to 0.45 | Black (10YR21) moist; few 2-10% coarse 15-30mm distinct pale, few 2-10% medium 5-15mm distinct brown mottles; sandy light clay; massive structure; moderately moist when sampled; gradual to; |
| B3 | 0.45 to 0.60 | Very dark grey (10YR31) moist; common 10-20% coarse 15-30mm distinct pale mottles; clay loam, sandy; massive structure; wet when sampled; clear to; |
| C1 | 0.60 to 0.70 | Grey (2.5Y61) moist; sandy clay loam; massive structure; wet when sampled; gradual to; |
| C2 | 0.70 to 1.25 | Grey (2.5Y61) moist; sand; single grain structure; wet when sampled; abrupt to; |
| 2C2u | 1.25 to 2.60 | Grey (5Y51) moist; sand; single grain structure; wet when sampled; abrupt to; |
| 3C3u | 2.60 to 2.90 | Very dark grey (5Y31) moist; clayey sand; massive structure; wet when sampled; abrupt to; |
| 4C4u | 2.90 to 4.60 | Grey (5Y61) moist; sand; few 2-10% angular charcoal small pebbles 2-6mm; single grain structure; wet when sampled; clear to; |
| 5C5u | 4.60 to 6.00 | Grey (5Y61) moist; sand; few 2-10% angular shell small pebbles 2-6mm, very few <2% shell medium pebbles 6-20mm; single grain structure; wet when sampled; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.1 | 2.3 | |
| 0.30 | | | | | 4.2 | 2.4 | |
| 0.40 | | | | | 4.2 | 2.3 | |
| 0.60 | | | | | 4.5 | 2.0 | |
| 0.70 | | | | | 4.6 | 1.9 | |
| 0.80 | | | | | 5.0 | 1.6 | |
| 1.00 | | | | | 5.1 | 3.8 | |
| 1.25 | | | | | 4.9 | 1.9 | |
| 1.50 | | | | | 5.1 | 1.6 | |
| 1.75 | | | | | 5.2 | 1.7 | |
| 2.00 | | | | | 5.6 | 1.9 | |
| 2.25 | | | | | 5.6 | 1.8 | |
| 2.50 | | | | | 5.9 | 1.8 | |
| 2.75 | | | | | 6.2 | 1.5 | |
| 3.00 | | | | | 6.5 | 2.0 | |
| 3.50 | | | | | 6.9 | 2.0 | |
| 4.00 | | | | | 7.0 | 2.1 | |
| 4.50 | | | | | 7.1 | 2.4 | |
| 5.00 | | | | | 7.1 | 3.0 | |
| 5.50 | | | | | 7.0 | 3.7 | |
| 6.00 | | | | | 7.1 | 3.1 | |

Notes:

Project: SEA

Site: 2379

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

507109 mE
507003 mE

7053713 mN
7053525 mN

Described By: Johnston, Philip Leslie Woodford

Date: 01-Mar-2001

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: recently cultivated

Substrate Lithology: No record
Element: No record
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: Aquic, PODOSOL

GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| A1p | 0.00 to 0.15 | Black (10YR21) moist; clay loam, sandy; weak 2-5mm granular structure; moist when sampled; clear to; |
| B2 | 0.15 to 0.25 | Black (10YR21) moist; common 10-20% coarse 15-30mm distinct pale, few 2-10% medium 5-15mm distinct brown mottles; sandy medium clay; massive structure; moist when sampled; abrupt to; |
| 2A/B | 0.25 to 0.40 | Very dark grey (10YR31) moist; clayey sand; massive structure; moist when sampled; clear to; |
| 2B2 | 0.40 to 0.70 | Grey (2.5Y61) moist; very few <2% medium 5-15mm distinct orange, very few <2% medium 5-15mm faint dark mottles; sand; single grain granular structure; moist when sampled; clear to; |
| 3B2 | 0.70 to 0.85 | Dark greyish brown (2.5Y42) moist; loamy sand; moist when sampled; clear to; |
| 4B2h | 0.85 to 1.00 | Black (10YR21) moist; fibric loamy sand; massive structure; weakly cemented continuous massive organic pan; wet when sampled; abrupt to; |
| 5B2 | 1.00 to 1.25 | Dark greyish brown (2.5Y42) moist; fine sand; single grain structure; wet when sampled; abrupt to; |
| 6B2h | 1.25 to 1.45 | Black (10YR20) moist; loamy sand; massive structure; moderately cemented continuous massive ortstein; wet when sampled; abrupt to; |
| 6B21 | 1.45 to 1.60 | Dark yellowish brown (10YR44) moist; loamy sand; massive structure; moderately cemented continuous massive ortstein; wet when sampled; |
| 6B22 | 1.60 to 2.70 | Olive grey (5Y42) moist; loamy sand; massive structure; wet when sampled; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.2 | 1.9 | |
| 0.25 | | | | | 4.2 | 2.9 | |
| 0.30 | | | | | 4.4 | 2.7 | |
| 0.60 | | | | | 4.2 | 4.1 | |
| 0.80 | | | | | 4.6 | 2.7 | |
| 0.90 | | | | | 5.1 | 0.7 | |
| 1.10 | | | | | 4.9 | 0.8 | |
| 1.25 | | | | | 5.1 | 0.5 | |
| 1.40 | | | | | 5.4 | 1.5 | |
| 1.75 | | | | | 5.5 | 1.9 | |
| 2.00 | | | | | 5.9 | 2.2 | |
| 2.25 | | | | | 5.0 | 2.2 | |
| 2.50 | | | | | 5.8 | 2.2 | |
| 2.70 | | | | | 6.0 | 3.6 | |

Notes:

Project: SEA

Site: 2380

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

506893 mE
506787 mE

7053744 mN
7053556 mN

Described By: Manders, JA

Date: 01-Mar-2001

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: No record
Element: plain
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: Aquic, PODOSOL

GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| A1 | 0.00 to 0.30 | Black (10YR21) moist; sandy clay loam; weak structure; moderately moist when sampled; gradual to; |
| A2 | 0.30 to 0.50 | Very dark greyish brown (10YR32) moist; sandy loam; weak structure; moist when sampled; clear to; |
| B21 | 0.50 to 1.05 | White (10YR81) moist; few 2-10% coarse 15-30mm prominent orange mottles; sand; single grain structure; moist when sampled; diffuse to; |
| B22 | 1.05 to 1.80 | Greyish brown (10YR52) moist; very few <2% coarse 15-30mm distinct orange mottles; sand; single grain structure; wet when sampled; sharp to; |
| C1 | 1.80 to 2.40 | Dark grey (5Y41) moist; sand; single grain structure; wet when sampled; sharp to; |
| 2Bh | 2.40 to 2.60 | Black (10YR20) moist; loamy sand; massive structure; moderately cemented continuous massive ortstein; wet when sampled; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 3.8 | 2.9 | |
| 0.30 | | | | | 4.1 | 3.3 | |
| 0.40 | | | | | 3.9 | 3.8 | |
| 0.60 | | | | | 4.0 | 4.1 | |
| 0.80 | | | | | 4.2 | 4.8 | |
| 1.00 | | | | | 4.3 | 4.7 | |
| 1.25 | | | | | 4.2 | 4.1 | |
| 1.50 | | | | | 4.2 | 4.2 | |
| 1.75 | | | | | 4.2 | 3.8 | |
| 2.00 | | | | | 4.7 | 1.9 | |
| 2.25 | | | | | 5.4 | 1.9 | |
| 2.50 | | | | | 5.9 | 2.1 | |

Notes:

Project: SEA

Site: 2383

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

506730 mE
506624 mE

7055262 mN
7055074 mN

Described By: Manders, JA

Date: 07-Mar-2001

Landscape:

Geology: No record

Landform Pattern: alluvial plain

Runoff: No record

Microrelief: No record

Drainage: No record

Substrate Lithology: No record

Element: No record

Permeability: No record

Microrelief Component: No record

Slope: No record

Classifications:

ASC: Redoxic, HYDROSOL

GSG: No record

PPF: No record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| A1 | 0.00 to 0.30 | Black (10YR21) moist; sandy clay loam; moderate 5-10mm angular blocky structure; moderately moist when sampled; diffuse to; |
| 2B2 | 0.30 to 0.45 | Dark grey (10YR41) moist; common 10-20% medium 5-15mm prominent orange, many 20-50% coarse 15-30mm prominent dark mottles; medium clay; massive structure; moist when sampled; clear to; |
| 3C1 | 0.45 to 0.60 | Very dark greyish brown (10YR32) moist; clayey sand; single grain structure; moist when sampled; gradual to; |
| 3C2 | 0.60 to 0.70 | Light brownish grey (10YR62) moist; sand; single grain structure; moist when sampled; gradual to; |
| 3C4 | 0.70 to 1.40 | Dark greyish brown (10YR42) moist; few 2-10% coarse 15-30mm prominent brown mottles; clayey sand; single grain structure; wet when sampled; diffuse to; |
| 3C5u | 1.40 to 2.40 | Very dark grey (5Y31) moist; clayey sand; single grain structure; wet when sampled; diffuse to; |
| 3C6u | 2.40 to 3.10 | Very dark greyish brown (2.5Y32) moist; sandy loam; single grain structure; wet when sampled; gradual to; |
| 3C7u | 3.10 to 4.10 | Grey (2.5Y51) moist; sand; single grain structure; wet when sampled; clear to; |
| 4C9u | 4.10 to 4.40 | Very dark greyish brown (2.5Y32) moist; heavy clayey sand; common 10-20% angular shell small pebbles 2-6mm, very few <2% angular shell large pebbles 20-60mm; single grain structure; wet when sampled; clear to; |
| 5C10u | 4.40 to 4.90 | Dark greyish brown (2.5Y42) moist; few 2-10% coarse 15-30mm distinct dark mottles; sapric sandy loam; single grain structure; few 2-10% fine <2mm organic (humified) fragments; wet when sampled; gradual to; |
| 6B21h | 4.90 to 5.10 | Very dark brown (10YR22) moist; loamy sand; single grain structure; wet when sampled; |
| 6B22h | 5.10 to 5.20 | Dark brown (10YR33) moist; loamy sand; single grain structure; wet when sampled; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.2 | 2.0 | |
| 0.30 | | | | | 4.3 | 2.8 | |
| 0.60 | | | | | 4.9 | 4.5 | |
| 0.80 | | | | | 4.7 | 3.8 | |
| 1.00 | | | | | 4.7 | 3.8 | |
| 1.25 | | | | | 4.8 | 2.9 | |
| 1.50 | | | | | 4.8 | 2.2 | |
| 1.75 | | | | | 4.8 | 1.7 | |
| 2.00 | | | | | 4.7 | 2.0 | |
| 2.25 | | | | | 4.9 | 1.9 | |
| 2.50 | | | | | 5.2 | 1.8 | |
| 2.75 | | | | | 5.2 | 2.0 | |
| 3.00 | | | | | 5.3 | 1.7 | |
| 3.25 | | | | | 5.8 | 1.9 | |
| 3.50 | | | | | 6.2 | 2.0 | |
| 3.75 | | | | | 6.6 | 2.1 | |
| 4.00 | | | | | 6.8 | 2.2 | |
| 4.25 | | | | | 7.0 | 1.9 | |
| 4.50 | | | | | 7.1 | 1.4 | |
| 4.75 | | | | | 7.0 | 2.3 | |
| 5.00 | | | | | 7.0 | 3.9 | |

Notes:

Project: SEA

Site: 2384

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

506889 mE
506783 mE

7055165 mN
7054977 mN

Described By: Manders, JA

Date: 07-Mar-2001

Landscape:

Landform Pattern: plain

Element: No record

Classifications:

ASC: Redoxic, HYDROSOL

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| A1p | 0.00 to 0.30 | Black (10YR21) moist; sapric clay loam, fine sandy; moderate 5-10mm subangular blocky structure; moderately moist when sampled; diffuse to; |
| B21 | 0.30 to 0.45 | Grey (10YR51) moist; common 10-20% coarse 15-30mm distinct brown, many 20-50% coarse 15-30mm prominent dark mottles; sandy light medium clay; massive structure; moderately moist when sampled; gradual to; |
| B22 | 0.45 to 0.60 | Very dark grey (5Y31) moist; few 2-10% medium 5-15mm prominent brown mottles; sandy medium clay; massive structure; moist when sampled; gradual to; |
| 2B21 | 0.60 to 1.00 | Grey (5Y51) moist; very few <2% coarse 15-30mm prominent orange mottles; sand; single grain structure; moist when sampled; diffuse to; |
| 2B22 | 1.00 to 1.35 | Olive (5Y44) moist; few 2-10% coarse 15-30mm prominent grey mottles; sand; single grain structure; wet when sampled; clear to; |
| 2C1u | 1.35 to 2.45 | Greenish black (10Y2.51) moist; sand; very few <2% angular shell small pebbles 2-6mm; single grain structure; wet when sampled; abrupt to; |
| 3C2u | 2.45 to 2.55 | Very dark greyish brown (10YR32) moist; sand; many 20-50% angular shell medium pebbles 6-20mm, very few <2% angular shell cobbles 60-200mm; single grain structure; wet when sampled; abrupt to; |
| 4C3u | 2.55 to 3.25 | Dark greyish brown (10YR42) moist; sand; very few <2% angular shell small pebbles 2-6mm; single grain structure; wet when sampled; abrupt to; |
| 5C6u | 3.25 to 3.30 | Very dark grey (5Y31) moist; sandy clay loam; few 2-10% angular shell medium pebbles 6-20mm; massive structure; wet when sampled; abrupt to; |
| 6C6u | 3.30 to 3.50 | Dark brown (10YR33) moist; sand; very few <2% angular shell small pebbles 2-6mm; single grain structure; wet when sampled; abrupt to; |
| 7C6u | 3.50 to 3.55 | Very dark grey (5Y31) moist; sandy clay loam; few 2-10% angular shell medium pebbles 6-20mm; massive structure; wet when sampled; abrupt to; |
| 8B21 | 3.55 to 3.90 | Brown (10YR43) moist; few 2-10% coarse 15-30mm prominent dark mottles; loamy sand; single grain structure; weakly cemented continuous vesicular organic pan; wet when sampled; abrupt to; |
| 8B22 | 3.90 to 4.00 | Very dark brown (10YR22) moist; loamy sand; massive structure; strongly cemented continuous massive organic pan; wet when sampled; abrupt to; |
| 8B23 | 4.00 to 4.50 | Brown (10YR43) moist; few 2-10% coarse 15-30mm prominent dark mottles; loamy sand; massive structure; weakly cemented broken vesicular organic pan; wet when sampled; clear to; |
| 9D1 | 4.50 to 5.40 | Light greenish grey (10Y71) moist; sand; single grain structure; wet when sampled; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 5.1 | 2.2 | |
| 0.30 | | | | | 6.9 | 5.6 | |
| 0.60 | | | | | 7.7 | 5.7 | |
| 0.80 | | | | | 7.1 | 5.7 | |
| 1.00 | | | | | 7.0 | 2.1 | |
| 1.25 | | | | | 7.2 | 5.5 | |
| 1.50 | | | | | 7.2 | 2.3 | |
| 1.75 | | | | | 7.1 | 2.3 | |
| 2.00 | | | | | 7.1 | 2.3 | |
| 2.25 | | | | | 7.2 | 2.1 | |
| 2.50 | | | | | 7.5 | 2.5 | |
| 2.75 | | | | | 7.3 | 3.6 | |
| 3.00 | | | | | 7.2 | 2.7 | |
| 3.30 | | | | | 7.3 | 2.9 | |
| 3.50 | | | | | 7.4 | 3.1 | |
| 3.75 | | | | | 7.2 | 4.6 | |
| 4.10 | | | | | 7.2 | 5.4 | |
| 4.25 | | | | | 7.2 | 4.5 | |
| 4.50 | | | | | 7.3 | 2.9 | |
| 4.75 | | | | | 7.1 | 3.9 | |
| 5.00 | | | | | 7.1 | 2.8 | |

Project: SEA

Site: 2385

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56 505929 mE
ZONE 56 505823 mE

7054695 mN
7054507 mN

Described By: Manders, JA

Date: 07-Mar-2001

Landscape:

Geology: No record
Landform Pattern: plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: No record
Element: No record
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: Redoxic, HYDROSOL
GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| A1 | 0.00 to 0.20 | Black (10YR21) moist; fine sandy light medium clay; strong 5-10mm angular blocky structure; moderately moist when sampled; diffuse to; |
| B21 | 0.20 to 0.45 | Greyish brown (10YR52) moist; few 2-10% medium 5-15mm prominent orange mottles; sandy medium clay; massive structure; moderately moist when sampled; diffuse to; |
| B22 | 0.45 to 0.80 | Grey (5Y51) moist; very few <2% medium 5-15mm faint orange mottles; clay loam, sandy; massive structure; moist when sampled; gradual to; |
| 2B2 | 0.80 to 1.20 | Grey (5Y61) moist; common 10-20% medium 5-15mm prominent orange mottles; sand; single grain structure; wet when sampled; clear to; |
| 2C1u | 1.20 to 1.50 | Black (5Y2.51) moist; sandy loam; massive structure; wet when sampled; diffuse to; |
| 2C2u | 1.50 to 2.40 | Dark grey (5Y41) moist; sand; very few <2% angular shell medium pebbles 6-20mm; single grain structure; wet when sampled; clear to; |
| 3C3u | 2.40 to 2.50 | Dark grey (5Y41) moist; sand; common 10-20% angular shell medium pebbles 6-20mm; single grain structure; wet when sampled; clear to; |
| 4C4u | 2.50 to 4.80 | Grey (5Y61) moist; sand; very few <2% angular shell small pebbles 2-6mm; single grain structure; wet when sampled; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 6.0 | 3.5 | |
| 0.30 | | | | | 6.9 | 5.4 | |
| 0.60 | | | | | 7.7 | 6.1 | |
| 0.80 | | | | | 7.4 | 6.0 | |
| 1.00 | | | | | 7.3 | 5.4 | |
| 1.25 | | | | | 7.3 | 2.7 | |
| 1.50 | | | | | 7.5 | 3.7 | |
| 1.75 | | | | | 7.4 | 2.1 | |
| 2.00 | | | | | 7.6 | 2.1 | |
| 2.25 | | | | | 7.6 | 2.2 | |
| 2.50 | | | | | 7.8 | 2.3 | |
| 2.75 | | | | | 7.7 | 2.0 | |
| 3.00 | | | | | 7.8 | 2.5 | |
| 3.25 | | | | | 7.8 | 4.5 | |
| 3.50 | | | | | 7.7 | 3.8 | |
| 3.75 | | | | | 7.8 | 4.6 | |
| 4.00 | | | | | 7.9 | 5.2 | |
| 4.25 | | | | | 7.7 | 3.1 | |
| 4.50 | | | | | 7.7 | 4.0 | |
| 4.75 | | | | | 7.8 | 5.8 | |

Notes:

Location 10m from NE edge of paddock

Project: SEA

Site: 2386

Soil Name: No record

Location: GDA 94

ZONE 56

505942 mE

7055585 mN

Location: AGD 84

ZONE 56

505836 mE

7055397 mN

Described By: Johnston, Philip Leslie Woodford

Date: 16-Mar-2001

Landscape:

Geology: No record

Landform Pattern: alluvial plain

Runoff: No record

Microrelief: No record

Drainage: No record

Substrate Lithology: No record

Element: plain

Permeability: No record

Microrelief Component: No record

Slope: No record

Classifications:

ASC: Redoxic, HYDROSOL

GSG: No record

PPF: No record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| A1p | 0.00 to 0.20 | Very dark grey (10YR31) moist; sandy light clay; weak 2-5mm granular structure; moderately moist when sampled; clear to; |
| B1 | 0.20 to 0.35 | Greyish brown (2.5Y53) moist; common 10-20% coarse 15-30mm distinct dark mottles; sandy medium clay; massive structure; moderately moist when sampled; gradual to; |
| 2B2 | 0.35 to 0.50 | Olive grey (5Y52) moist; few 2-10% medium 5-15mm distinct orange, few 2-10% medium 5-15mm distinct dark mottles; sandy clay loam; massive structure; moderately moist when sampled; clear to; |
| 3B21 | 0.50 to 0.85 | Light olive grey (5Y62) moist; few 2-10% medium 5-15mm distinct orange mottles; sandy loam; massive structure; moderately moist when sampled; gradual to; |
| 3B22 | 0.85 to 1.00 | Olive yellow (2.5Y66) moist; few 2-10% medium 5-15mm distinct pale mottles; clayey sand; massive structure; wet when sampled; abrupt to; |
| 4C1 | 1.00 to 1.40 | Dark grey (5Y41) moist; few 2-10% medium 5-15mm distinct brown mottles; clayey sand; common 10-20% angular shell medium pebbles 6-20mm; massive structure; wet when sampled; abrupt to; |
| 5C2u | 1.40 to 1.80 | Dark grey (5Y41) moist; clayey sand; very few <2% subangular shell large pebbles 20-60mm, common 10-20% angular shell medium pebbles 6-20mm; massive structure; wet when sampled; gradual to; |
| 5C3u | 1.80 to 3.30 | Grey (5Y51) moist; loamy sand; few 2-10% angular shell small pebbles 2-6mm; massive structure; wet when sampled; diffuse to; |
| 5C4u | 3.30 to 4.80 | Grey (5Y51) moist; clayey sand; common 10-20% angular shell medium pebbles 6-20mm, very few <2% angular shell large pebbles 20-60mm, very few <2% angular charcoal small pebbles 2-6mm; massive structure; wet when sampled; clear to; |
| 6C5u | 4.80 to 5.10 | Grey (5Y51) moist; clayey sand; few 2-10% angular shell medium pebbles 6-20mm; massive structure; wet when sampled; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 5.1 | 2.5 | |
| 0.30 | | | | | 6.7 | 5.4 | |
| 0.60 | | | | | 7.6 | 6.3 | |
| 0.80 | | | | | 7.7 | 6.2 | |
| 1.00 | | | | | 7.2 | 5.7 | |
| 1.25 | | | | | 7.3 | 5.8 | |
| 1.50 | | | | | 7.2 | 2.7 | |
| 1.75 | | | | | 7.1 | 2.2 | |
| 2.00 | | | | | 7.5 | 2.6 | |
| 2.25 | | | | | 7.6 | 2.3 | |
| 2.50 | | | | | 7.6 | 2.3 | |
| 2.75 | | | | | 7.6 | 2.3 | |
| 3.00 | | | | | 7.6 | 2.0 | |
| 3.25 | | | | | 7.6 | 2.1 | |
| 3.50 | | | | | 7.5 | 2.1 | |
| 3.75 | | | | | 7.8 | 2.1 | |
| 4.00 | | | | | 7.7 | 1.9 | |
| 4.25 | | | | | 7.8 | 2.9 | |
| 4.50 | | | | | 7.7 | 2.9 | |
| 5.00 | | | | | 7.8 | 3.0 | |

Notes:

Site

East of train tracks

Project: SEA

Site: 2387

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

505837 mE
505731 mE

7056326 mN
7056138 mN

Described By: Manders, JA

Date: 16-Mar-2001

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: No record
Element: plain
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: Redoxic, HYDROSOL
GSG: No record

PPF: No record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| A1p | 0.00 to 0.20 | Black (10YR21) moist; sandy light clay; moderate 2-5mm subangular blocky structure; dry when sampled; abrupt to; |
| B2 | 0.20 to 0.35 | Grey (2.5Y51) moist; many 20-50% coarse 15-30mm prominent orange mottles; sandy medium clay; massive structure; moderately moist when sampled; clear to; |
| 2B2 | 0.35 to 0.65 | Grey (2.5Y51) moist; common 10-20% very coarse >30mm prominent orange mottles; heavy sandy clay loam; massive structure; wet when sampled; diffuse to; |
| 3B21 | 0.65 to 0.80 | Very dark grey (2.5Y31) moist; few 2-10% coarse 15-30mm prominent dark mottles; sandy clay loam; massive structure; few 2-10% fine <2mm organic (humified) fragments; wet when sampled; gradual to; |
| 3C1 | 0.80 to 1.00 | Grey (5Y61) moist; clayey sand; single grain structure; wet when sampled; |
| 3C2 | 1.00 to 1.80 | Light olive grey (5Y62) moist; sand; single grain structure; wet when sampled; clear to; |
| 3C3u | 1.80 to 2.45 | Grey (5Y51) moist; clayey sand; massive structure; dry when sampled; diffuse to; |
| 3C4u | 2.45 to 3.20 | Dark grey (5Y41) moist; sandy loam; single grain structure; wet when sampled; diffuse to; |
| 3C5u | 3.20 to 4.30 | Grey (5Y61) moist; sand; single grain structure; wet when sampled; clear to; |
| 4C6u | 4.30 to 4.50 | Very dark grey (5Y31) moist; clayey sand; very few <2% angular shell small pebbles 2-6mm; few 2-10% coarse 6-20mm organic (humified) fragments; wet when sampled; abrupt to; |
| 5C7u | 4.50 to 4.90 | Grey (5Y61) moist; sand; very few <2% angular shell medium pebbles 6-20mm; wet when sampled; abrupt to; |
| 5C8u | 4.90 to 5.00 | Grey (5Y61) moist; sand; many 20-50% angular shell medium pebbles 6-20mm; single grain structure; wet when sampled; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 5.0 | 2.5 | |
| 0.30 | | | | | 4.6 | 3.5 | |
| 0.60 | | | | | 4.4 | 3.4 | |
| 0.80 | | | | | 5.0 | 3.0 | |
| 1.00 | | | | | 5.6 | 2.6 | |
| 1.25 | | | | | 5.1 | 3.0 | |
| 1.50 | | | | | 5.9 | 3.7 | |
| 1.75 | | | | | 6.2 | 3.5 | |
| 2.00 | | | | | 6.3 | 1.8 | |
| 2.25 | | | | | 6.4 | 1.8 | |
| 2.50 | | | | | 6.6 | 1.7 | |
| 2.75 | | | | | 6.7 | 1.6 | |
| 3.00 | | | | | 6.9 | 2.0 | |
| 3.25 | | | | | 7.1 | 1.9 | |
| 3.50 | | | | | 7.1 | 1.9 | |
| 3.75 | | | | | 7.1 | 1.5 | |
| 4.00 | | | | | 7.0 | 1.7 | |
| 4.25 | | | | | 6.8 | 1.6 | |
| 4.40 | | | | | 7.0 | 2.1 | |
| 4.75 | | | | | 7.1 | 2.0 | |
| 5.00 | | | | | 7.3 | 4.1 | |

Project: SEA

Site: 2388

Soil Name: No record

Location: GDA 94 ZONE 56 505772 mE 7054903 mN
Location: AGD 84 ZONE 56 505666 mE 7054715 mN

Described By: Johnston, Philip Leslie Woodford

Date: 16-Mar-2001

Landscape:

Geology: No record **Substrate Lithology:** No record
Landform Pattern: alluvial plain **Element:** plain
Runoff: No record **Permeability:** No record
Microrelief: No record **Microrelief Component:** No record
Drainage: No record **Slope:** No record
Surface Coarse Fragments: No record
Surface Condition: firm

Classifications:

ASC: Sulfidic, Redoxic, HYDROSOL
GSG: No record **PPF:** No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| A1p | 0.00 to 0.28 | Black (10YR20) moist; sandy light clay; moderate 5-10mm subangular blocky structure; moderately moist when sampled; clear to; |
| B21 | 0.28 to 0.50 | Greyish brown (2.5Y52) moist; very few <2% medium 5-15mm faint orange mottles; clay loam, sandy; massive structure; moderately moist when sampled; gradual to; |
| B22 | 0.50 to 0.75 | Greenish grey (5GY51) moist; few 2-10% medium 5-15mm prominent orange mottles; sandy clay loam; massive structure; wet when sampled; clear to; |
| B23 | 0.75 to 1.00 | Light greenish grey (10Y71) moist; many 20-50% very coarse >30mm prominent orange mottles; clayey sand; single grain structure; wet when sampled; clear to; |
| B3 | 1.00 to 1.20 | Dark grey (5Y41) moist; common 10-20% coarse 15-30mm prominent brown mottles; clayey sand; single grain structure; wet when sampled; abrupt to; |
| C1u | 1.20 to 2.20 | Dark grey (5Y41) moist; sandy loam; very few <2% angular shell medium pebbles 6-20mm; massive structure; wet when sampled; clear to; |
| C2u | 2.20 to 2.80 | Grey (5Y61) moist; sand; very few <2% angular shell small pebbles 2-6mm; single grain structure; wet when sampled; clear to; |
| C3u | 2.80 to 4.20 | Dark grey (5Y41) moist; sandy loam; very few <2% angular shell small pebbles 2-6mm; massive structure; wet when sampled; clear to; |
| C4u | 4.20 to 5.00 | Light grey (5Y71) moist; sand; very few <2% angular shell small pebbles 2-6mm; single grain structure; wet when sampled; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 5.4 | 3.8 | |
| 0.40 | | | | | 7.0 | 5.4 | |
| 0.60 | | | | | 7.0 | 5.9 | |
| 0.80 | | | | | 7.0 | 5.8 | |
| 1.10 | | | | | 6.8 | 5.3 | |
| 1.25 | | | | | 7.1 | 1.5 | |
| 1.50 | | | | | 7.0 | 2.2 | |
| 1.75 | | | | | 7.1 | 2.0 | |
| 2.00 | | | | | 7.1 | 1.8 | |
| 2.25 | | | | | 7.2 | 2.2 | |
| 2.50 | | | | | 7.0 | 1.9 | |
| 2.75 | | | | | 7.2 | 2.0 | |
| 3.00 | | | | | 7.1 | 4.6 | |
| 3.25 | | | | | 6.7 | 2.4 | |
| 3.50 | | | | | 7.1 | 2.3 | |
| 3.75 | | | | | 7.2 | 2.6 | |
| 4.00 | | | | | 7.3 | 2.4 | |
| 4.25 | | | | | 7.6 | 1.7 | |
| 4.50 | | | | | 7.7 | 1.8 | |
| 4.75 | | | | | 7.5 | 1.8 | |
| 5.00 | | | | | 8.0 | 2.0 | |

Notes:

Project: SEA **Site:** 2389

Soil Name: No record

Location: GDA 94 **ZONE** 56 **506348 mE** **7055523 mN**
Location: AGD 84 **ZONE** 56 **506242 mE** **7055335 mN**

Described By: Johnston, Philip Leslie Woodford

Date: 29-Mar-2001

Landscape:

Geology: No record

Landform Pattern: alluvial plain

Runoff: No record

Microrelief: No record

Drainage: No record

Surface Coarse Fragments: No record

Surface Condition: No record

Substrate Lithology: No record

Element: plain

Permeability: No record

Microrelief Component: No record

Slope: No record

Classifications:

ASC: Sulfuric, Redoxic, HYDROSOL

GSG: No record

PPF: No record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| A11 | 0.00 to 0.10 | Very dark greyish brown (10YR32) moist; fine sandy loam; weak structure; moist when sampled; clear to; |
| A12 | 0.10 to 0.45 | Very dark greyish brown (10YR32) moist; fine sandy clay loam; weak structure; moderately moist when sampled; gradual to; |
| B1 | 0.45 to 0.70 | Greyish brown (10YR52) moist; clayey fine sand; massive structure; moist when sampled; clear to; |
| B21 | 0.70 to 0.90 | Greyish brown (10YR52) moist; fine sand; single grain structure; wet when sampled; clear to; |
| B22 | 0.90 to 1.55 | Grey (10YR51) moist; very few <2% medium 5-15mm faint brown, few 2-10% fine <5mm distinct orange mottles; fine sandy loam; massive structure; wet when sampled; abrupt to; |
| 2C1u | 1.55 to 2.30 | Grey (5Y51) moist; heavy sand; single grain structure; wet when sampled; clear to; |
| 2C2u | 2.30 to 3.50 | Dark grey (2.5Y41) moist; heavy sand; single grain structure; wet when sampled; abrupt to; |
| 3C3u | 3.50 to 5.30 | Grey (5Y61) moist; fine sand; few 2-10% shell medium pebbles 6-20mm, common 10-20% angular shell small pebbles 2-6mm; wet when sampled; gradual to; |
| 4C4u | 5.30 to 5.90 | Dark grey (5Y41) moist; sandy light clay; few 2-10% angular shell small pebbles 2-6mm; massive structure; wet when sampled; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.7 | 1.9 | |
| 0.30 | | | | | 4.6 | 2.9 | |
| 0.60 | | | | | 4.3 | 3.3 | |
| 0.80 | | | | | 4.2 | 4.1 | |
| 1.00 | | | | | 3.9 | 3.3 | |
| 1.25 | | | | | 4.2 | 3.5 | |
| 1.50 | | | | | 4.5 | 2.3 | |
| 1.75 | | | | | 4.7 | 1.6 | |
| 2.00 | | | | | 4.8 | 1.7 | |
| 2.25 | | | | | 4.9 | 1.5 | |
| 2.50 | | | | | 4.6 | 1.6 | |
| 2.75 | | | | | 4.7 | 1.8 | |
| 3.00 | | | | | 4.7 | 1.7 | |
| 3.25 | | | | | 4.8 | 1.5 | |
| 3.50 | | | | | 5.4 | 1.8 | |
| 3.75 | | | | | 6.0 | 2.2 | |
| 4.00 | | | | | 6.4 | 2.0 | |
| 4.25 | | | | | 6.3 | 2.0 | |
| 4.50 | | | | | 6.4 | 2.2 | |
| 4.75 | | | | | 6.6 | 2.4 | |
| 5.00 | | | | | 6.7 | 2.8 | |
| 5.50 | | | | | 7.3 | 1.8 | |
| 5.90 | | | | | 7.4 | 1.9 | |

Notes:

Project: SEA

Site: 2390

Soil Name: No record

Location: GDA 94 ZONE 56 506459 mE 7057327 mN
Location: AGD 84 ZONE 56 506353 mE 7057139 mN

Described By: Manders, JA

Date: 29-Mar-2001

Landscape:

Geology: No record

Substrate Lithology: No record

Landform Pattern: alluvial plain

Element: plain

Runoff: No record

Permeability: No record

Microrelief: No record

Microrelief Component: No record

Drainage: No record

Slope: No record

Surface Coarse Fragments: No record

Surface Condition: No record

Classifications:

ASC: Redoxic, HYDROSOL

GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| Ap | 0.00 to 0.30 | Black (10YR21) moist; sapric sandy light clay; moderate 5-10mm subangular blocky structure; moderately moist when sampled; clear to; |
| B2 | 0.30 to 0.35 | Dark grey (10YR41) moist; many 20-50% coarse 15-30mm prominent orange, very few <2% coarse 15-30mm prominent dark mottles; medium clay; massive structure; moderately moist when sampled; gradual to; |
| 2B21 | 0.35 to 0.45 | Dark grey (10YR41) moist; few 2-10% coarse 15-30mm faint orange, very few <2% medium 5-15mm faint dark mottles; clay loam, sandy; weak structure; moderately moist when sampled; gradual to; |
| 2B22 | 0.45 to 0.60 | Greyish brown (10YR52) moist; many 20-50% very coarse >30mm prominent orange mottles; clay loam, sandy; massive structure; diffuse to; |
| 2B23 | 0.60 to 0.75 | Grey (2.5Y51) moist; few 2-10% coarse 15-30mm prominent orange mottles; sandy clay loam; massive structure; moist when sampled; diffuse to; |
| 2B24 | 0.75 to 1.00 | Greenish grey (5GY51) moist; few 2-10% coarse 15-30mm prominent orange mottles; sandy clay loam; massive structure; wet when sampled; clear to; |
| 2B25 | 1.00 to 1.60 | Greyish brown (2.5Y52) moist; very few <2% coarse 15-30mm prominent brown, few 2-10% coarse 15-30mm prominent dark mottles; sandy loam; massive structure; wet when sampled; clear to; |
| 2C1u | 1.60 to 2.10 | Dark olive grey (5Y32) moist; few 2-10% medium 5-15mm distinct pale, very few <2% fine <5mm distinct brown mottles; sandy loam; massive structure; wet when sampled; clear to; |
| 3C2u | 2.10 to 2.20 | Dark olive grey (5Y32) moist; sandy loam; many 20-50% angular shell medium pebbles 6-20mm; massive structure; wet when sampled; sharp to; |
| 4B2h | 2.20 to 2.50 | Black (10YR20) moist; loamy sand; massive structure; moderately cemented continuous massive organic pan; wet when sampled; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.6 | 3.2 | |
| 0.30 | | | | | 4.9 | 2.9 | |
| 0.40 | | | | | 5.4 | 4.5 | |
| 0.60 | | | | | 6.0 | 4.8 | |
| 0.80 | | | | | 5.9 | 4.4 | |
| 1.00 | | | | | 6.1 | 4.0 | |
| 1.25 | | | | | 6.0 | 4.4 | |
| 1.50 | | | | | 6.4 | 2.8 | |
| 1.75 | | | | | 6.7 | 2.2 | |
| 2.00 | | | | | 6.9 | 1.7 | |
| 2.10 | | | | | 6.9 | 1.4 | |
| 2.25 | | | | | 6.7 | 2.5 | |
| 2.50 | | | | | 6.5 | 2.6 | |

Notes:

Project: SEA

Site: 2391

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

506550 mE
506444 mE

7056995 mN
7056807 mN

Described By: Johnston, Philip Leslie Woodford

Date: 29-Mar-2001

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: No record
Element: plain
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: Redoxic, HYDROSOL
GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| A1 | 0.00 to 0.30 | Black (10YR21) moist; sapric sandy light clay; weak 2-5mm granular structure; moderately moist when sampled; clear to; |
| B2 | 0.30 to 0.60 | Grey (10YR51) moist; very few <2% medium 5-15mm distinct dark mottles; sandy light medium clay; massive structure; moderately moist when sampled; clear to; |
| 2B2 | 0.60 to 0.90 | Grey (2.5Y61) moist; few 2-10% medium 5-15mm distinct brown mottles; sandy clay loam; massive structure; wet when sampled; clear to; |
| 3B2 | 0.90 to 1.30 | Grey (5Y51) moist; few 2-10% fine <5mm distinct brown mottles; sandy light clay; massive structure; wet when sampled; clear to; |
| 4C1 | 1.30 to 1.90 | Greenish grey (10Y51) moist; very few <2% medium 5-15mm distinct brown, very few <2% medium 5-15mm distinct dark mottles; clayey sand; massive structure; wet when sampled; clear to; |
| 4C2 | 1.90 to 2.40 | Olive grey (5Y52) moist; many 20-50% coarse 15-30mm distinct brown mottles; clayey sand; massive structure; wet when sampled; abrupt to; |
| 5C3 | 2.40 to 2.80 | Dark grey (5Y41) moist; heavy sand; common 10-20% angular shell small pebbles 2-6mm; single grain structure; wet when sampled; |
| 6B2h | 2.80 to 3.25 | Black (10YR20) moist; heavy loamy fine sand; massive structure; moderately cemented continuous massive organic pan; wet when sampled; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.8 | 2.9 | |
| 0.30 | | | | | 4.8 | 3.1 | |
| 0.60 | | | | | 4.3 | 3.0 | |
| 0.80 | | | | | 4.2 | 3.2 | |
| 1.00 | | | | | 6.0 | 3.9 | |
| 1.25 | | | | | 6.4 | 4.3 | |
| 1.50 | | | | | 6.6 | 2.4 | |
| 1.75 | | | | | 6.8 | 4.1 | |
| 2.00 | | | | | 6.7 | 3.3 | |
| 2.25 | | | | | 6.6 | 3.7 | |
| 2.50 | | | | | 6.6 | 2.2 | |
| 2.75 | | | | | 6.6 | 1.8 | |
| 3.00 | | | | | 6.6 | 2.9 | |
| 3.25 | | | | | 6.6 | 3.5 | |

Notes:

Project: SEA

Site: 2400

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56 507711 mE
ZONE 56 507605 mE

7062921 mN
7062733 mN

Described By: Adams, J (Justin)

Date: 24-Jan-2001

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: No record
Element: plain
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: Sulfuric, Redoxic, HYDROSOL

GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| A1 | 0.00 to 0.30 | Very dark brown (10YR22) moist; few 2-10% fine <5mm distinct orange mottles; light clay; weak 2-5mm granular structure; gradual to; |
| B21 | 0.30 to 0.50 | Grey (10YR51) moist; common 10-20% medium 5-15mm distinct orange mottles; light medium clay; weak 2-5mm subangular blocky structure; gradual to; |
| B22 | 0.50 to 1.10 | Very dark grey (10YR31) moist; few 2-10% medium 5-15mm distinct orange mottles; light medium clay; weak 2-5mm granular structure; abrupt to; |
| B23 | 1.10 to 1.50 | Dark grey (2.5Y41) moist; few 2-10% fine <5mm distinct orange mottles; silty light clay; massive structure; gradual to; |
| C1u | 1.50 to 1.90 | Dark grey (2.5Y41) moist; silty light clay; massive structure; |
| 2C2u | 1.90 to 2.50 | Grey (10YR61) moist; very few <2% fine <5mm distinct brown mottles; sandy clay loam; massive structure; gradual to; |
| 3C3u | 2.50 to 2.70 | Grey (10YR61) moist; few 2-10% medium 5-15mm distinct brown mottles; sandy light clay; massive structure; |
| 4D1 | 2.70 to 3.20 | Grey (10YR61) moist; few 2-10% medium 5-15mm distinct red, few 2-10% fine <5mm distinct orange mottles; sandy light medium clay; massive structure; clear to; |
| 5D2 | 3.20 to 3.60 | Yellowish brown (10YR56) moist; few 2-10% medium 5-15mm distinct red, few 2-10% medium 5-15mm distinct grey mottles; sandy clay loam; massive structure; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.6 | 2.9 | |
| 0.30 | | | | | 4.1 | 2.7 | |
| 0.60 | | | | | 4.4 | 2.8 | |
| 0.80 | | | | | 4.1 | 1.5 | |
| 1.00 | | | | | 3.9 | 2.3 | |
| 1.25 | | | | | 5.7 | 2.2 | |
| 1.50 | | | | | 5.9 | 1.9 | |
| 1.75 | | | | | 5.9 | 1.7 | |
| 2.00 | | | | | 6.0 | 1.7 | |
| 2.25 | | | | | 6.2 | 2.2 | |
| 2.50 | | | | | 6.0 | 2.2 | |
| 2.75 | | | | | 6.0 | 4.7 | |
| 3.00 | | | | | 6.1 | 5.1 | |
| 3.25 | | | | | 5.4 | 4.2 | |
| 3.50 | | | | | 5.1 | 4.0 | |

Notes:

Project: SEA

Site: 2401

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

506705 mE
506599 mE

7062157 mN
7061969 mN

Described By: Barry, Earl

Date: 29-Jan-2001

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: Alluvium
Element: swamp
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: Redoxic, HYDROSOL
GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| A1 | 0.00 to 0.90 | Olive (5Y46) moist; few 2-10% coarse 15-30mm prominent grey, few 2-10% medium 5-15mm prominent pale mottles; medium clay; common 10-20% subangular gravel medium pebbles 6-20mm; massive structure; moderately moist when sampled; abrupt to; |
| 2A1 | 0.90 to 1.05 | Black (10YR21) moist; few 2-10% medium 5-15mm faint gley mottles; silty light medium clay; massive structure; clear to; |
| B3 | 1.05 to 1.30 | Dark grey (5Y41) moist; few 2-10% medium 5-15mm faint brown mottles; silty medium clay; massive structure; clear to; |
| C1u | 1.30 to 2.50 | Dark greenish grey (5GY31) moist; silty light medium clay; massive structure; diffuse to; |
| C2u | 2.50 to 6.03 | Dark greenish grey (5GY31) moist; silty light medium clay; very few <2% subangular shell small pebbles 2-6mm, very few <2% shell medium pebbles 6-20mm; massive structure; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.2 | 2.7 | |
| 0.30 | | | | | 3.4 | 1.9 | |
| 0.60 | | | | | 3.4 | 2.6 | |
| 0.80 | | | | | 3.7 | 2.7 | |
| 1.00 | | | | | 5.2 | 2.9 | |
| 1.25 | | | | | 6.2 | 1.9 | |
| 1.50 | | | | | 6.6 | 1.8 | |
| 1.75 | | | | | 6.6 | 1.9 | |
| 2.00 | | | | | 6.7 | 1.8 | |
| 2.50 | | | | | 6.5 | 1.9 | |
| 2.75 | | | | | 6.9 | 2.0 | |
| 3.00 | | | | | 7.2 | 2.0 | |
| 3.25 | | | | | 7.4 | 2.0 | |
| 3.75 | | | | | 7.2 | 2.0 | |
| 4.00 | | | | | 7.3 | 2.0 | |
| 4.25 | | | | | 7.3 | 1.9 | |
| 4.50 | | | | | 7.6 | 1.9 | |
| 5.00 | | | | | 7.4 | 1.8 | |
| 5.50 | | | | | 7.3 | 1.8 | |
| 6.00 | | | | | 7.3 | 1.8 | |

Notes:

Location Site west of Coolum STP

Project: SEA

Site: 2402

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

507963 mE
507857 mE

7061458 mN
7061270 mN

Described By: Barry, Earl

Date: 29-Jan-2001

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: Alluvium
Element: swamp
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: ORGANOSOL

GSG: No record

PPF: No record

Vegetation:

Mid Stratum:
dense

Tree, 12.01-20m, mid-

Melaleuca quinquenervia (swamp paperbark, paper-barked tea-tree, broad-leaved tea-tree)

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| A1 | 0.00 to 0.30 | Black (10YR21) moist; hemic peat; massive structure; wet when sampled; clear to; |
| 2C1u | 0.30 to 1.00 | Dark grey (5Y41) moist; few 2-10% coarse 15-30mm faint brown mottles; silty medium clay; massive structure; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 5.3 | 3.6 | |
| 0.30 | | | | | 5.1 | 3.0 | |
| 0.60 | | | | | 5.2 | 1.8 | |
| 0.80 | | | | | 5.8 | 1.8 | |
| 1.00 | | | | | 6.0 | 1.9 | |

Notes:

Location Site west of council park

Project: SEA

Site: 2403

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

507270 mE
507164 mE

7064273 mN
7064085 mN

Described By: Barry, Earl

Date: 30-Jan-2001

Landscape:

Landform Pattern: alluvial plain

Element: plain

Classifications:

ASC: PODOSOL

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| A1p | 0.00 to 0.45 | Black (10YR21) moist; heavy sandy clay loam; massive structure; dry when sampled; abrupt to; |
| B21? | 0.45 to 0.60 | Grey (2.5Y51) moist; common 10-20% medium 5-15mm prominent orange, common 10-20% coarse 15-30mm prominent brown mottles; sandy light clay; massive structure; moderately moist when sampled; clear to; |
| 2A2 | 0.60 to 0.80 | Light brownish grey (2.5Y63) moist; few 2-10% medium 5-15mm prominent orange mottles; heavy clayey sand; massive structure; moderately moist when sampled; clear to; |
| 2B1 | 0.80 to 1.00 | Dark grey (10YR41) moist; few 2-10% medium 5-15mm distinct gley mottles; loamy sand; single grain structure; moist when sampled; clear to; |
| 2B21h | 1.00 to 2.40 | Dark brown (7.5YR32) moist; very few <2% coarse 15-30mm distinct brown mottles; loamy sand; single grain structure; moist when sampled; diffuse to; |
| 2B22s | 2.40 to 4.30 | Dark brown (7.5YR33) moist; loamy sand; single grain structure; wet when sampled; diffuse to; |
| 2C1u | 4.30 to 5.30 | Grey (5Y51) moist; clayey sand; single grain structure; wet when sampled; |
| 2C2u | 5.30 to 7.70 | Dark greenish grey (10Y41) moist; silty medium clay; massive structure; wet when sampled; |
| 2C3u | 7.70 to 8.30 | Dark greenish grey (5GY31) moist; silty medium clay; few 2-10% other small pebbles 2-6mm; massive structure; wet when sampled; |
| 3D1 | 8.30 to 8.50 | Grey (2.5Y51) moist; few 2-10% fine <5mm distinct dark mottles; medium clay; massive |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.5 | 2.7 | |
| 0.30 | | | | | 4.9 | 2.5 | |
| 0.60 | | | | | 5.8 | 4.3 | |
| 0.80 | | | | | 6.1 | 3.1 | |
| 1.00 | | | | | 6.0 | 4.4 | |
| 1.25 | | | | | 5.8 | 3.8 | |
| 1.50 | | | | | 6.1 | 3.4 | |
| 1.75 | | | | | 6.2 | 2.3 | |
| 2.00 | | | | | 6.5 | 2.0 | |
| 2.25 | | | | | 6.6 | 1.9 | |
| 2.50 | | | | | 6.7 | 2.9 | |
| 2.75 | | | | | 6.9 | 3.0 | |
| 3.00 | | | | | 6.9 | 3.1 | |
| 3.25 | | | | | 7.0 | 2.7 | |
| 3.50 | | | | | 6.8 | 2.7 | |
| 3.75 | | | | | 6.6 | 2.3 | |
| 4.00 | | | | | 6.1 | 2.2 | |
| 4.25 | | | | | 6.5 | 2.2 | |
| 4.50 | | | | | 6.5 | 2.0 | |
| 4.75 | | | | | 6.3 | 1.7 | |
| 5.00 | | | | | 6.5 | 1.3 | |
| 5.50 | | | | | 6.8 | 1.4 | |
| 6.00 | | | | | 6.6 | 1.5 | |
| 6.50 | | | | | 6.0 | 1.5 | |
| 7.00 | | | | | 6.1 | 1.7 | |
| 7.50 | | | | | 6.1 | 1.5 | |
| 8.00 | | | | | 6.3 | 1.5 | |
| 8.50 | | | | | 6.2 | 1.4 | |

Notes:

Project: SEA

Site: 2404

Soil Name: No record

Location: GDA 94 ZONE 56 506977 mE 7064445 mN
Location: AGD 84 ZONE 56 506871 mE 7064257 mN

Described By: Barry, Earl

Date: 30-Jan-2001

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: No record
Element: plain
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: Redoxic, HYDROSOL

GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| A1p | 0.00 to 0.40 | Dark grey (10YR41) moist; clay loam, sandy; weak structure; moderately moist when sampled; abrupt to; |
| 2B2 | 0.40 to 0.65 | Grey (2.5Y61) moist; few 2-10% medium 5-15mm prominent orange mottles; sandy light clay; massive structure; moist when sampled; gradual to; |
| 2B3 | 0.65 to 1.10 | Light brownish grey (2.5Y63) moist; few 2-10% medium 5-15mm distinct orange mottles; heavy clayey sand; massive structure; moist when sampled; clear to; |
| 2C1u | 1.10 to 1.35 | Grey (5Y51) moist; heavy clayey sand; massive structure; wet when sampled; clear to; |
| 3C2u | 1.35 to 2.30 | Very dark grey (5Y31) moist; silty light clay; massive structure; No decode(v) when sampled; diffuse to; |
| 4O1 | 2.30 to 3.50 | Black (10YR21) moist; fibric peat; common 10-20% coarse 6-20mm organic (humified) fragments; wet when sampled; gradual to; |
| 5B | 3.50 to 4.50 | Brown (10YR53) moist; loamy sand; single grain structure; few 2-10% coarse 6-20mm organic (humified) fragments; wet when sampled; clear to; |
| 6B | 4.50 to 4.80 | Brown (10YR43) moist; coarse sand; few 2-10% subangular gravel small pebbles 2-6mm; single grain structure; few 2-10% coarse 6-20mm organic (humified) fragments; wet when sampled; clear to; |
| 7C1u | 4.80 to 5.20 | Grey (5Y51) moist; sand; single grain structure; wet when sampled; |
| 8C2u | 5.20 to 6.00 | Dark greenish grey (10Y31) moist; silty medium clay; massive structure; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 5.1 | 3.1 | |
| 0.30 | | | | | 5.0 | 2.4 | |
| 0.60 | | | | | 5.3 | 3.9 | |
| 0.80 | | | | | 5.2 | 3.8 | |
| 1.00 | | | | | 5.3 | 3.3 | |
| 1.25 | | | | | 6.3 | 2.2 | |
| 1.50 | | | | | 6.4 | 1.8 | |
| 1.75 | | | | | 6.7 | 1.3 | |
| 2.00 | | | | | 6.9 | 1.3 | |
| 2.25 | | | | | 7.1 | 0.9 | |
| 2.50 | | | | | 7.2 | 0.9 | |
| 2.75 | | | | | 7.3 | 4.2 | |
| 3.00 | | | | | 7.2 | 4.8 | |
| 3.25 | | | | | 7.1 | 5.0 | |
| 3.50 | | | | | 7.3 | 4.6 | |
| 3.75 | | | | | 7.7 | 4.1 | |
| 4.00 | | | | | 7.9 | 3.9 | |
| 4.25 | | | | | 8.0 | 2.4 | |
| 4.50 | | | | | 7.9 | 1.8 | |
| 4.75 | | | | | 7.1 | 2.4 | |
| 5.00 | | | | | 7.2 | 1.9 | |
| 5.50 | | | | | 7.2 | 1.5 | |
| 6.00 | | | | | 7.2 | 1.6 | |

Project: SEA

Site: 2405

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

507442 mE
507336 mE

7063204 mN
7063016 mN

Described By: Barry, Earl

Date: 06-Feb-2001

Landscape:

Geology: No record

Landform Pattern: alluvial plain

Runoff: No record

Microrelief: No record

Drainage: No record

Surface Coarse Fragments: No record

Surface Condition: No record

Substrate Lithology: Alluvium

Element: plain

Permeability: No record

Microrelief Component: No record

Slope: No record

Classifications:

ASC: Sulfuric, Redoxic, HYDROSOL

GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| A1p | 0.00 to 0.27 | Black (10YR21) moist; few 2-10% coarse 15-30mm distinct grey mottles; silty clay loam; weak structure; moist when sampled; clear to; |
| 2B21 | 0.27 to 0.50 | Dark grey (2.5Y41) moist; few 2-10% medium 5-15mm distinct dark, very few <2% medium 5-15mm prominent brown mottles; silty medium clay; massive structure; No decode(v) when sampled; gradual to; |
| 2B3 | 0.50 to 1.20 | Dark grey (5Y41) moist; few 2-10% medium 5-15mm prominent yellow jarositic (from pyrite), common 10-20% coarse 15-30mm prominent brown mottles; silty medium clay; massive structure; moist when sampled; gradual to; |
| 2C1u | 1.20 to 2.00 | Dark greenish grey (5GY41) moist; silty light medium clay; massive structure; wet when sampled; diffuse to; |
| 2C2u | 2.00 to 3.55 | Dark greenish grey (10Y31) moist; silty light medium clay; few 2-10% angular shell small pebbles 2-6mm; massive structure; wet when sampled; diffuse to; |
| 3C3u | 3.55 to 4.10 | Black (2.5Y2.51) moist; silty light medium clay; massive structure; few 2-10% medium 2-6mm organic (humified) fragments; wet when sampled; gradual to; |
| 4D1 | 4.10 to 4.50 | Dark greyish brown (2.5Y42) moist; common 10-20% coarse 15-30mm faint brown mottles; sandy clay loam; massive structure; wet when sampled; clear to; |
| 5D2 | 4.50 to 4.80 | Grey (2.5Y51) moist; few 2-10% fine <5mm distinct dark mottles; sandy medium clay; massive structure; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 3.9 | 1.8 | |
| 0.30 | | | | | 3.8 | 2.0 | |
| 0.60 | | | | | 3.8 | 2.1 | |
| 0.80 | | | | | 4.0 | 1.9 | |
| 1.00 | | | | | 4.9 | 2.2 | |
| 1.25 | | | | | 5.3 | 1.4 | |
| 1.50 | | | | | 5.8 | 1.5 | |
| 1.75 | | | | | 5.9 | 1.7 | |
| 2.00 | | | | | 6.3 | 1.6 | |
| 2.25 | | | | | 6.5 | 1.9 | |
| 2.50 | | | | | 6.3 | 1.4 | |
| 2.75 | | | | | 6.7 | 1.5 | |
| 3.00 | | | | | 6.7 | 1.9 | |
| 3.25 | | | | | 6.7 | 1.5 | |
| 3.50 | | | | | 6.8 | 1.3 | |
| 3.75 | | | | | 6.8 | 1.3 | |
| 4.00 | | | | | 6.8 | 0.8 | |
| 4.25 | | | | | 7.0 | 1.6 | |
| 4.50 | | | | | 6.8 | 1.3 | |
| 4.75 | | | | | 6.8 | 2.9 | |

Notes:

Location East of Motorway

Project: SEA

Site: 2406

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

507628 mE
507522 mE

7064902 mN
7064714 mN

Described By: Barry, Earl

Date: 06-Feb-2001

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: Alluvium
Element: plain
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: Aquic, PODOSOL
GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| A1p | 0.00 to 0.33 | Black (10YR21) moist; sandy clay loam; massive structure; moist when sampled; clear to; |
| B21 | 0.33 to 0.40 | Dark greyish brown (10YR42) moist; few 2-10% medium 5-15mm prominent orange mottles; sandy medium clay; massive structure; moist when sampled; clear to; |
| 2B22h | 0.40 to 1.30 | Black (10YR21) moist; loamy sand; single grain structure; strongly cemented continuous platy ortstein; moist when sampled; gradual to; |
| 2B23s | 1.30 to 2.75 | Dark brown (10YR33) moist; sand; single grain structure; wet when sampled; clear to; |
| 2C1u | 2.75 to 2.95 | Very dark grey (5Y31) moist; clay loam, sandy; massive structure; wet when sampled; clear to; |
| 2C2u | 2.95 to 5.30 | Grey (5Y51) moist; clayey sand; single grain structure; wet when sampled; |
| 3C3u | 5.30 to 7.40 | Dark greenish grey (10Y31) moist; silty medium clay; massive structure; wet when sampled; diffuse to; |
| 4D1 | 7.40 to 8.50 | Grey (2.5Y51) moist; few 2-10% fine <5mm faint dark mottles; fine sandy medium clay; massive structure; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.0 | 2.7 | |
| 0.35 | | | | | 4.2 | 3.4 | |
| 0.60 | | | | | 4.4 | 4.0 | |
| 1.00 | | | | | 4.7 | 4.6 | |
| 1.50 | | | | | 4.9 | 2.7 | |
| 2.00 | | | | | 4.7 | 1.8 | |
| 2.50 | | | | | 5.3 | 2.5 | |
| 2.80 | | | | | 5.2 | 1.5 | |
| 3.00 | | | | | 5.3 | 1.7 | |
| 3.25 | | | | | 5.2 | 1.7 | |
| 3.50 | | | | | 5.4 | 1.7 | |
| 3.75 | | | | | 5.7 | 1.7 | |
| 4.00 | | | | | 5.9 | 1.8 | |
| 4.25 | | | | | 5.8 | 1.7 | |
| 4.50 | | | | | 5.8 | 1.7 | |
| 4.75 | | | | | 6.2 | 1.8 | |
| 5.00 | | | | | 6.4 | 1.7 | |
| 5.50 | | | | | 5.9 | 1.5 | |
| 6.00 | | | | | 6.0 | 1.6 | |
| 6.50 | | | | | 5.8 | 1.3 | |
| 7.00 | | | | | 5.9 | 1.1 | |
| 7.50 | | | | | 5.8 | 1.2 | |
| 8.00 | | | | | 5.8 | 1.7 | |
| 8.50 | | | | | 6.0 | 4.0 | |

Notes:

Location Site east of roundabout on Coolum-Yandina Rd, edge of cane

Project: SEA

Site: 2407

Location: GDA 94 ZONE 56 506961 mE 7064778 mN
Location: AGD 84 ZONE 56 506855 mE 7064590 mN

Described By: Barry, Earl

Date: 07-Feb-2001

Landscape:

Geology: No record

Landform Pattern: alluvial plain

Runoff: No record

Microrelief: No record

Drainage: No record

Surface Coarse Fragments: No record

Surface Condition: No record

Substrate Lithology: Alluvium

Element: plain

Permeability: No record

Microrelief Component: No record

Slope: No record

Classifications:

ASC: PODOSOL

GSG: No record

PPF: No record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| A1p | 0.00 to 0.40 | Black (10YR21) moist; sandy light clay; massive structure; moist when sampled; abrupt to; |
| 2B21 | 0.40 to 0.65 | Greyish brown (2.5Y52) moist; few 2-10% medium 5-15mm prominent orange, very few <2% coarse 15-30mm prominent dark mottles; sandy loam; massive structure; moist when sampled; clear to; |
| 2C1 | 0.65 to 0.80 | Grey (2.5Y61) moist; sand; single grain structure; moist when sampled; clear to; |
| 3B21h | 0.80 to 2.10 | Black (10YR21) moist; loamy sand; massive structure; weakly cemented continuous massive ortstein; wet when sampled; gradual to; |
| 3B22s | 2.10 to 3.80 | Dark brown (10YR33) moist; sand; single grain structure; wet when sampled; diffuse to; |
| 3C1u | 3.80 to 5.20 | Grey (2.5Y61) moist; sand; single grain structure; wet when sampled; gradual to; |
| 4C2u | 5.20 to 5.40 | Dark grey (5Y41) moist; sandy light clay; massive structure; wet when sampled; clear to; |
| 5C3u | 5.40 to 5.90 | Grey (5Y51) moist; clayey sand; single grain structure; wet when sampled; clear to; |
| 6C4u | 5.90 to 7.25 | Dark greenish grey (10Y41) moist; silty medium clay; massive structure; wet when sampled; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.8 | 3.1 | |
| 0.30 | | | | | 5.1 | 3.2 | |
| 0.60 | | | | | 5.8 | 3.7 | |
| 0.80 | | | | | 7.2 | 4.1 | |
| 1.00 | | | | | 6.6 | 2.8 | |
| 1.25 | | | | | 6.9 | 1.6 | |
| 1.50 | | | | | 7.0 | 1.7 | |
| 1.75 | | | | | 6.5 | 2.0 | |
| 2.00 | | | | | 6.3 | 1.9 | |
| 2.25 | | | | | 6.4 | 1.7 | |
| 2.50 | | | | | 6.8 | 1.6 | |
| 2.75 | | | | | 6.6 | 1.9 | |
| 3.00 | | | | | 6.7 | 3.1 | |
| 3.25 | | | | | 6.9 | 1.8 | |
| 3.50 | | | | | 6.9 | 2.5 | |
| 3.75 | | | | | 6.8 | 2.2 | |
| 4.00 | | | | | 6.9 | 2.3 | |
| 4.25 | | | | | 7.5 | 2.0 | |
| 4.50 | | | | | 6.9 | 1.9 | |
| 4.75 | | | | | 7.1 | 1.7 | |
| 5.00 | | | | | 7.0 | 1.7 | |
| 5.50 | | | | | 6.6 | 1.8 | |
| 6.00 | | | | | 6.6 | 1.7 | |
| 6.50 | | | | | 6.4 | 1.5 | |
| 7.00 | | | | | 6.4 | 1.3 | |

Notes:

Location Site southwest of roundabout on motorway at Coolum

Project: SEA

Site: 2408

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

506651 mE
506545 mE

7064571 mN
7064383 mN

Described By: Barry, Earl

Date: 07-Feb-2001

Landscape:

Geology: No record

Substrate Lithology: Alluvium

Landform Pattern: alluvial plain

Element: plain

Classifications:

ASC: Redoxic, HYDROSOL

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|---------------|---|
| A1p | 0.00 to 0.25 | Black (10YR21) moist; silty clay loam; massive structure; moist when sampled; clear to; |
| 2B21 | 0.25 to 0.60 | Grey (2.5Y51) moist; few 2-10% medium 5-15mm prominent orange mottles; fine sandy medium clay; massive structure; moist when sampled; clear to; |
| 2C1u | 0.60 to 1.05 | Dark grey (5Y41) moist; common 10-20% coarse 15-30mm distinct gley mottles; clay loam, sandy; massive structure; moist when sampled; abrupt to; |
| 3B21h | 1.05 to 1.30 | Black (10YR21) moist; loamy sand; single grain structure; weakly cemented continuous massive ortstein; wet when sampled; gradual to; |
| 3B22s | 1.30 to 1.80 | Dark greyish brown (10YR42) moist; heavy sand; single grain structure; wet when sampled; gradual to; |
| 3B23h | 1.80 to 2.80 | Very dark brown (7.5YR22) moist; heavy sand; single grain structure; wet when sampled; diffuse to; |
| 3B24s | 2.80 to 4.00 | Dark brown (10YR33) moist; heavy sand; single grain structure; wet when sampled; diffuse to; |
| 3B3 | 4.00 to 5.00 | Dark greyish brown (2.5Y43) moist; sand; wet when sampled; |
| 3C2u | 5.00 to 6.30 | Grey (5Y51) moist; sand; single grain structure; wet when sampled; gradual to; |
| 4C3u | 6.30 to 9.00 | Dark greenish grey (10Y31) moist; silty medium clay; massive structure; wet when sampled; diffuse to; |
| 4C4u | 9.00 to 10.90 | Dark greenish grey (10Y31) moist; silty medium clay; very few <2% shell small pebbles 2-6mm; massive structure; wet when sampled; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.5 | 3.2 | |
| 0.30 | | | | | 4.8 | 3.4 | |
| 0.60 | | | | | 5.1 | 2.7 | |
| 0.80 | | | | | 6.2 | 2.7 | |
| 1.00 | | | | | 6.3 | 1.8 | |
| 1.25 | | | | | 6.2 | 2.1 | |
| 1.50 | | | | | 6.0 | 3.1 | |
| 1.75 | | | | | 5.9 | 1.7 | |
| 2.00 | | | | | 6.0 | 1.6 | |
| 2.25 | | | | | 5.9 | 1.7 | |
| 2.50 | | | | | 5.9 | 3.2 | |
| 2.75 | | | | | 6.2 | 3.5 | |
| 3.00 | | | | | 6.0 | 3.1 | |
| 3.25 | | | | | 6.0 | 2.8 | |
| 3.50 | | | | | 5.7 | 2.7 | |
| 4.00 | | | | | 5.5 | 2.6 | |
| 4.50 | | | | | 5.7 | 2.3 | |
| 5.00 | | | | | 5.8 | 2.1 | |
| 5.50 | | | | | 6.3 | 2.0 | |
| 6.00 | | | | | 6.8 | 1.9 | |
| 6.50 | | | | | 6.7 | 1.5 | |
| 7.00 | | | | | 6.4 | 1.6 | |
| 7.50 | | | | | 6.2 | 1.7 | |
| 8.00 | | | | | 6.3 | 1.7 | |
| 8.50 | | | | | 6.3 | 1.7 | |
| 9.00 | | | | | 6.3 | 1.9 | |
| 9.50 | | | | | 6.4 | 1.8 | |
| 10.00 | | | | | 6.3 | 2.0 | |
| 10.50 | | | | | 6.4 | 1.9 | |
| 10.90 | | | | | 6.4 | 1.8 | |

Project: SEA

Site: 2409

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

506667 mE
506561 mE

7064065 mN
7063877 mN

Described By: Barry, Earl

Date: 12-Feb-2001

Landscape:

Geology: No record

Landform Pattern: alluvial plain

Runoff: No record

Microrelief: No record

Drainage: No record

Surface Coarse Fragments: No record

Surface Condition: No record

Substrate Lithology: Alluvium

Element: plain

Permeability: No record

Microrelief Component: No record

Slope: No record

Classifications:

ASC: Sulfuric, Redoxic, HYDROSOL

GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| A1p | 0.00 to 0.20 | Black (10YR21) moist; sapric silty clay loam; massive structure; moist when sampled; clear to; |
| 2B21 | 0.20 to 0.90 | Dark grey (2.5Y41) moist; few 2-10% medium 5-15mm prominent orange mottles; silty medium clay; massive structure; moist when sampled; clear to; |
| 3C1u | 0.90 to 1.90 | Grey (2.5Y51) moist; sandy clay loam; massive structure; wet when sampled; gradual to; |
| 3C2u | 1.90 to 2.40 | Greyish brown (10YR52) moist; sand; single grain structure; wet when sampled; abrupt to; |
| 4B2hs | 2.40 to 4.20 | Very dark brown (10YR22) moist; loamy sand; massive structure; strongly cemented continuous massive ortstein; wet when sampled; diffuse to; |
| 5C3u | 4.20 to 5.10 | Grey (5Y51) moist; heavy sand; single grain structure; wet when sampled; gradual to; |
| 6C4u | 5.10 to 7.25 | Dark greenish grey (10Y31) moist; silty medium clay; massive structure; wet when sampled; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 5.4 | 4.0 | |
| 0.30 | | | | | 3.9 | 3.7 | |
| 0.60 | | | | | 4.2 | 3.3 | |
| 0.80 | | | | | 4.1 | 3.4 | |
| 1.00 | | | | | 4.5 | 2.7 | |
| 1.25 | | | | | 4.8 | 1.2 | |
| 1.50 | | | | | 5.1 | 1.4 | |
| 1.75 | | | | | 5.7 | 1.3 | |
| 2.00 | | | | | 5.8 | 1.0 | |
| 2.25 | | | | | 5.8 | 1.2 | |
| 2.50 | | | | | 6.4 | 1.9 | |
| 2.75 | | | | | 6.2 | 3.2 | |
| 3.00 | | | | | 6.3 | 3.3 | |
| 3.25 | | | | | 6.4 | 4.5 | |
| 3.50 | | | | | 6.4 | 4.0 | |
| 3.75 | | | | | 6.3 | 5.1 | |
| 4.00 | | | | | 6.4 | 4.9 | |
| 4.25 | | | | | 6.4 | 2.3 | |
| 4.50 | | | | | 6.8 | 1.7 | |
| 4.75 | | | | | 6.4 | 1.7 | |
| 5.00 | | | | | 6.2 | 1.3 | |
| 5.50 | | | | | 6.1 | 1.3 | |
| 6.00 | | | | | 6.0 | 1.4 | |
| 6.50 | | | | | 6.1 | 1.4 | |
| 7.00 | | | | | 6.1 | 1.3 | |

Project: SEA **Site:** 2410

Location: GDA 94 ZONE 56 506952 mE 7063608 mN
Location: AGD 84 ZONE 56 506846 mE 7063420 mN

Described By: Barry, Earl

Date: 12-Feb-2001

Landscape:

Geology: No record

Substrate Lithology: Alluvium

Landform Pattern: alluvial plain

Element: plain

Classifications:

ASC: Redoxic, HYDROSOL

GSG: No record

PPF: No record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|---------------|--|
| A1p | 0.00 to 0.40 | Black (10YR21) moist; sapric clay loam; massive structure; clear to; |
| 2B21 | 0.40 to 1.00 | Dark grey (2.5Y41) moist; common 10-20% medium 5-15mm prominent brown mottles; silty medium clay; massive structure; clear to; |
| 2C1u | 1.00 to 1.25 | Dark grey (5Y41) moist; silty light clay; massive structure; abrupt to; |
| 3B21h | 1.25 to 1.60 | Black (10YR21) moist; loamy sand; single grain structure; clear to; |
| 3B22s | 1.60 to 2.80 | Brown (10YR43) moist; sand; single grain structure; diffuse to; |
| 3B23s | 2.80 to 3.90 | Dark brown (7.5YR33) moist; sand; single grain structure; diffuse to; |
| 3B3 | 3.90 to 5.00 | Dark greyish brown (2.5Y43) moist; sand; single grain structure; diffuse to; |
| 3C1u | 5.00 to 5.50 | Grey (5Y61) moist; heavy sand; single grain structure; wet when sampled; clear to; |
| 4C2u | 5.50 to 9.20 | Dark greenish grey (5GY31) moist; silty medium clay; massive structure; wet when sampled; diffuse to; |
| 4C3u | 9.20 to 9.75 | Black (5Y22) moist; silty medium clay; massive structure; few 2-10% medium 2-6mm organic (humified) fragments; diffuse to; |
| 5D1 | 9.75 to 10.90 | Grey (5Y51) moist; few 2-10% fine <5mm faint dark mottles; medium clay; massive structure; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.5 | 2.6 | |
| 0.30 | | | | | 4.7 | 2.7 | |
| 0.60 | | | | | 4.4 | 3.2 | |
| 0.80 | | | | | 4.1 | 2.5 | |
| 1.00 | | | | | 4.0 | 2.3 | |
| 1.25 | | | | | 4.0 | 1.6 | |
| 1.50 | | | | | 5.3 | 1.9 | |
| 1.75 | | | | | 5.5 | 2.8 | |
| 2.00 | | | | | 5.6 | 3.2 | |
| 2.25 | | | | | 5.9 | 3.5 | |
| 2.50 | | | | | 6.0 | 4.0 | |
| 2.75 | | | | | 6.2 | 3.9 | |
| 3.00 | | | | | 6.4 | 2.7 | |
| 3.25 | | | | | 6.2 | 2.9 | |
| 3.50 | | | | | 6.2 | 2.5 | |
| 3.75 | | | | | 6.1 | 2.3 | |
| 4.00 | | | | | 6.1 | 2.3 | |
| 4.25 | | | | | 6.2 | 2.1 | |
| 4.50 | | | | | 6.1 | 2.1 | |
| 4.75 | | | | | 6.2 | 2.1 | |
| 5.00 | | | | | 6.2 | 2.3 | |
| 5.40 | | | | | 6.2 | 1.8 | |
| 6.00 | | | | | 6.4 | 1.3 | |
| 6.50 | | | | | 6.5 | 1.5 | |
| 7.00 | | | | | 6.6 | 1.6 | |
| 7.50 | | | | | 6.5 | 1.8 | |
| 8.00 | | | | | 6.3 | 1.7 | |
| 8.50 | | | | | 6.4 | 1.6 | |
| 9.00 | | | | | 6.5 | 1.5 | |
| 9.50 | | | | | 6.4 | 1.1 | |
| 10.00 | | | | | 6.1 | 2.1 | |
| 10.50 | | | | | 6.2 | 2.5 | |
| 10.90 | | | | | 6.2 | 5.4 | |

Project: SEA

Site: 2411

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

507018 mE
506912 mE

7064104 mN
7063916 mN

Described By: Barry, Earl

Date: 13-Feb-2001

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: Alluvium
Element: plain
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: Aquic, PODOSOL
GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| A1p | 0.00 to 0.40 | Black (10YR21) moist; sapric clay loam; weak structure; wet when sampled; abrupt to; |
| 2B21 | 0.40 to 0.55 | Weak red (2.5YR52) moist; few 2-10% medium 5-15mm prominent orange mottles; sandy medium clay; massive structure; moist when sampled; clear to; |
| 3A2 | 0.55 to 0.90 | Greyish brown (10YR52) moist; very few <2% medium 5-15mm prominent orange mottles; clayey sand; massive structure; wet when sampled; abrupt to; |
| 3B22h | 0.90 to 1.30 | Black (10YR21) moist; loamy sand; massive structure; strongly cemented continuous massive ortstein; wet when sampled; gradual to; |
| 3B23s | 1.30 to 3.60 | Very dark brown (7.5YR22) moist; loamy sand; massive structure; wet when sampled; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 5.1 | 3.0 | |
| 0.30 | | | | | 5.2 | 2.9 | |
| 0.60 | | | | | 4.8 | 3.7 | |
| 0.80 | | | | | 4.8 | 3.3 | |
| 1.00 | | | | | 6.0 | 3.5 | |
| 1.50 | | | | | 6.1 | 3.5 | |
| 2.00 | | | | | 6.2 | 3.5 | |

Notes:

Project: SEA

Site: 2412

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56 507947 mE
ZONE 56 507841 mE

7064913 mN
7064725 mN

Described By: Barry, Earl

Date: 15-Feb-2001

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: Alluvium
Element: swamp
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: Aquic, PODOSOL

GSG: No record

PPF: No record

Vegetation:

Tallest Stratum: Tree, 6.01-12m, mid-dense

Melaleuca quinquenervia (swamp paperbark, paper-barked tea-tree, broad-leaved tea-tree)

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| A11 | 0.00 to 0.50 | Black (10YR21) moist; heavy sandy clay loam; weak structure; moist when sampled; gradual to; |
| A12 | 0.50 to 0.90 | Very dark grey (10YR31) moist; few 2-10% medium 5-15mm distinct brown mottles; loamy sand; single grain structure; moist when sampled; gradual to; |
| A2e | 0.90 to 1.30 | Greyish brown (10YR52) moist; white (10YR81) dry; few 2-10% medium 5-15mm distinct dark mottles; sand; single grain structure; wet when sampled; gradual to; |
| B2s | 1.30 to 2.30 | Dark grey (10YR41) moist; loamy sand; single grain structure; wet when sampled; gradual to; |
| C1u | 2.30 to 4.70 | Grey (5Y51) moist; sand; single grain structure; wet when sampled; abrupt to; |
| 2D1 | 4.70 to 5.20 | Greyish brown (10YR52) moist; few 2-10% fine <5mm distinct brown mottles; silty medium clay; massive structure; wet when sampled; gradual to; |
| 2D2 | 5.20 to 6.00 | Grey (2.5Y51) moist; very few <2% fine <5mm faint dark mottles; medium clay; massive structure; moist when sampled; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 5.4 | 2.0 | |
| 0.30 | | | | | 5.0 | 2.6 | |
| 0.60 | | | | | 4.2 | 2.7 | |
| 0.80 | | | | | 4.1 | 3.4 | |
| 1.00 | | | | | 4.1 | 2.9 | |
| 1.25 | | | | | 4.5 | 3.7 | |
| 1.50 | | | | | 4.7 | 2.2 | |
| 1.75 | | | | | 4.7 | 2.0 | |
| 2.00 | | | | | 4.7 | 1.7 | |
| 2.25 | | | | | 5.2 | 1.9 | |
| 2.50 | | | | | 5.2 | 1.7 | |
| 2.75 | | | | | 5.4 | 1.4 | |
| 3.00 | | | | | 5.6 | 1.7 | |
| 3.25 | | | | | 5.7 | 1.6 | |
| 3.50 | | | | | 5.7 | 1.6 | |
| 3.75 | | | | | 5.7 | 1.6 | |
| 4.00 | | | | | 5.1 | 1.7 | |
| 4.25 | | | | | 5.9 | 1.5 | |
| 4.50 | | | | | 5.8 | 1.5 | |
| 4.75 | | | | | 5.8 | 1.9 | |
| 5.00 | | | | | 6.3 | 1.8 | |
| 5.50 | | | | | 5.9 | 2.8 | |
| 6.00 | | | | | 5.9 | 3.6 | |

Notes:

Location

West end of Green Oaks Drive, Coolum, in small tea tree remnant

Project: SEA

Site: 2413

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

507610 mE
507504 mE

7062027 mN
7061839 mN

Described By: Barry, Earl

Date: 21-Feb-2001

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: No record
Element: swamp
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: Redoxic, HYDROSOL
GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| A11 | 0.00 to 0.45 | Black (10YR21) moist; clay loam; massive structure; moist when sampled; clear to; |
| 2B1 | 0.45 to 0.60 | Very dark grey (2.5Y31) moist; common 10-20% medium 5-15mm distinct grey, few 2-10% medium 5-15mm distinct brown mottles; silty medium clay; massive structure; moist when sampled; clear to; |
| 2B2 | 0.60 to 1.30 | Dark grey (5Y41) moist; common 10-20% coarse 15-30mm prominent orange, few 2-10% medium 5-15mm prominent brown mottles; silty light medium clay; massive structure; few 2-10% medium 2-6mm ferruginous soft segregations; moist when sampled; diffuse to; |
| 2C1u | 1.30 to 2.30 | Dark greenish grey (10Y41) moist; common 10-20% medium 5-15mm prominent brown mottles; silty light medium clay; massive structure; few 2-10% medium 2-6mm ferruginous soft segregations; wet when sampled; clear to; |
| 2C2u | 2.30 to 2.95 | Dark greenish grey (10Y31) moist; silty light medium clay; very few <2% angular shell small pebbles 2-6mm, very few <2% shell medium pebbles 6-20mm; massive structure; No decode(v) when sampled; clear to; |
| 3D1 | 2.95 to 3.60 | Grey (2.5Y51) moist; common 10-20% medium 5-15mm prominent brown mottles; fine sandy medium clay; massive structure; moist when sampled; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 6.1 | 4.2 | |
| 0.30 | | | | | 5.0 | 3.6 | |
| 0.60 | | | | | 4.7 | 3.3 | |
| 0.80 | | | | | 4.7 | 3.2 | |
| 1.00 | | | | | 4.4 | 2.8 | |
| 1.25 | | | | | 5.9 | 3.0 | |
| 1.50 | | | | | 5.9 | 2.9 | |
| 1.75 | | | | | 5.9 | 2.1 | |
| 2.00 | | | | | 6.1 | 1.3 | |
| 2.25 | | | | | 5.9 | 1.3 | |
| 2.50 | | | | | 6.4 | 1.6 | |
| 2.75 | | | | | 6.4 | 2.1 | |
| 3.00 | | | | | 6.6 | 1.4 | |
| 3.25 | | | | | 6.7 | 2.7 | |
| 3.50 | | | | | 6.9 | 5.1 | |

Notes:

Project: SEA

Site: 2414

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

508055 mE
507949 mE

7066397 mN
7066209 mN

Described By: Barry, Earl

Date: 21-Feb-2001

Landscape:

Geology: No record
Landform Pattern: sand plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: No record
Element: plain
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: Aquic, PODOSOL
GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| A1 | 0.00 to 0.30 | Very dark grey (10YR31) moist; loamy sand; massive structure; moist when sampled; clear to; |
| A2e | 0.30 to 0.80 | Grey (10YR61) moist; white (10YR81) dry; sand; single grain structure; moist when sampled; clear to; |
| B21hs | 0.80 to 5.60 | Black (10YR21) moist; loamy sand; massive structure; very strongly cemented continuous massive ortstein; moist when sampled; gradual to; |
| 2C1u | 5.60 to 6.00 | Dark grey (5Y41) moist; coarse sandy clay loam; very few <2% angular quartz medium pebbles 6-20mm; massive structure; wet when sampled; |
| 3D1 | 6.00 to 7.25 | Light greenish grey (10GY81) moist; sandy medium clay; massive structure; moist when sampled; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 3.8 | 3.7 | |
| 0.30 | | | | | 4.0 | 4.4 | |
| 0.60 | | | | | 4.3 | 5.2 | |
| 0.80 | | | | | 4.5 | 3.4 | |
| 1.00 | | | | | 4.7 | 3.1 | |
| 3.50 | | | | | 4.9 | 2.3 | |
| 5.75 | | | | | 5.6 | 1.7 | |
| 6.00 | | | | | 5.1 | 2.8 | |
| 7.00 | | | | | 5.0 | 4.2 | |

Notes:

Location Wallum site along powerline north of Coolum S.S.

Project: SEA

Site: 2415

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

508586 mE
508480 mE

7065753 mN
7065565 mN

Described By: Barry, Earl

Date: 22-Feb-2001

Landscape:

Geology: No record
Landform Pattern: dunefield
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: No record
Element: plain
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: Aquic, PODOSOL

GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| A2 | 0.00 to 0.40 | White (10YR81) moist; common 10-20% coarse 15-30mm prominent brown mottles; sandy medium clay; massive structure; |
| 2A1 | 0.40 to 0.60 | Black (10YR21) moist; loamy sand; massive structure; |
| 2A2 | 0.60 to 0.70 | Dark grey (10YR41) moist; sand; single grain structure; |
| 2B2hs | 0.70 to 2.00 | Black (10YR21) moist; loamy sand; very few <2% subangular quartz small pebbles 2-6mm; massive structure; clear to; |
| 2B22s | 2.00 to 3.90 | Very dark brown (7.5YR22) moist; loamy sand; single grain structure; clear to; |
| 3D1 | 3.90 to 4.80 | Light grey (2.5Y71) moist; sandy medium heavy clay; very few <2% subrounded quartz medium pebbles 6-20mm; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.9 | 2.3 | |
| 0.60 | | | | | 4.8 | 3.7 | |
| 1.00 | | | | | 4.7 | 4.1 | |
| 1.50 | | | | | 4.4 | 2.3 | |
| 2.25 | | | | | 5.3 | 2.3 | |
| 3.50 | | | | | 5.4 | 2.1 | |
| 4.00 | | | | | 5.8 | 2.1 | |
| 4.50 | | | | | 6.0 | 2.4 | |

Notes:

Location Site to West of Coolum SES

Project: SEA

Site: 2416

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

508474 mE
508368 mE

7064744 mN
7064556 mN

Described By: Barry, Earl

Date: 22-Feb-2001

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: No record
Element: footslope
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: Grey, CHROMOSOL
GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| A1 | 0.00 to 0.30 | Very dark brown (10YR22) moist; clay loam, sandy; massive structure; |
| B21 | 0.30 to 1.60 | Light grey (10YR71) moist; few 2-10% medium 5-15mm prominent orange, few 2-10% medium 5-15mm faint grey mottles; sandy heavy clay; massive structure; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.8 | 3.9 | |
| 0.30 | | | | | 4.8 | 5.0 | |
| 0.80 | | | | | 5.9 | 5.7 | |
| 1.00 | | | | | 6.0 | 5.4 | |
| 1.50 | | | | | 6.3 | 5.5 | |

Notes:

Location In park just west of ridge, below 2.5m contour. Possibly dug out as flood reservoir

Project: SEA

Site: 2417

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

498516 mE
498410 mE

7061063 mN
7060875 mN

Described By: Smith, CD (Doug)

Date: 23-May-2001

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: No record
Element: No record
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: Grey, CHROMOSOL
GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| A | 0.00 to 0.60 | Greyish brown (10YR52) moist; very few <2% medium 5-15mm faint orange mottles; medium heavy clay; massive structure; dry when sampled; |
| B21 | 0.60 to 2.40 | Grey (2.5Y61) moist; many 20-50% very coarse >30mm prominent red, few 2-10% coarse 15-30mm distinct orange mottles; heavy clay; massive structure; dry when sampled; |
| B22 | 2.40 to 4.20 | Grey (2.5Y61) moist; few 2-10% very coarse >30mm prominent red mottles; medium heavy clay; very few <2% angular quartz large pebbles 20-60mm; massive structure; moderately moist when sampled; |
| B23 | 4.20 to 5.50 | White (2.5Y81) moist; very few <2% medium 5-15mm prominent red, very few <2% fine <5mm prominent dark mottles; medium heavy clay; massive structure; moderately moist when sampled; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.30 | | | | | 4.2 | 3.5 | |
| 1.00 | | | | | 4.4 | 3.6 | |
| 1.50 | | | | | 4.5 | 3.9 | |
| 2.00 | | | | | 4.6 | 3.7 | |
| 3.00 | | | | | 5.1 | 3.6 | |
| 3.50 | | | | | 5.4 | 3.2 | |
| 4.50 | | | | | 5.5 | 3.0 | |
| 5.00 | | | | | 5.0 | 3.2 | |
| 5.50 | | | | | 5.0 | 4.0 | |

Notes:

Project: SEA

Site: 2418

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56 497756 mE
ZONE 56 497650 mE

7061288 mN
7061100 mN

Described By: Smith, CD (Doug)

Date: 23-May-2001

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: No record
Element: No record
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: Grey, CHROMOSOL
GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| A | 0.00 to 1.00 | Dark greyish brown (2.5Y42) moist; medium heavy clay; No decode(); massive structure; few 2-10% medium 2-6mm manganiferous nodules, very few <2% fine <2mm manganiferous nodules; moderately moist when sampled; diffuse to; |
| B21 | 1.00 to 1.50 | Dark greyish brown (2.5Y42) moist; few 2-10% medium 5-15mm faint brown mottles; heavy clay; massive structure; very few <2% fine <2mm manganiferous nodules; dry when sampled; diffuse to; |
| B22 | 1.50 to 3.50 | Brown (10YR43) moist; very few <2% medium 5-15mm faint brown mottles; heavy clay; massive structure; very few <2% fine <2mm manganiferous nodules; dry when sampled; diffuse to; |
| B23 | 3.50 to 5.40 | Grey (5Y51) moist; few 2-10% medium 5-15mm prominent orange, very few <2% coarse 15-30mm prominent gley, very few <2% fine <5mm prominent brown mottles; heavy clay; massive structure; diffuse to; |
| 2B2 | 5.40 to 6.50 | Grey (5Y61) moist; few 2-10% coarse 15-30mm prominent orange mottles; light medium clay; massive structure; moderately moist when sampled; diffuse to; |
| 3B2 | 6.50 to 6.80 | Grey (5Y61) moist; clay loam, sandy; massive structure; moist when sampled; clear to; |
| 4B2 | 6.80 to 7.00 | Light brownish grey (2.5Y62) moist; clayey coarse sand; massive structure; moist when sampled; clear to; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.60 | | | | | 5.3 | 5.9 | |
| 1.50 | | | | | 6.6 | 7.3 | |
| 2.00 | | | | | 6.8 | 7.4 | |
| 2.50 | | | | | 6.9 | 7.7 | |
| 3.50 | | | | | 7.1 | 7.8 | |
| 4.00 | | | | | 7.3 | 7.6 | |
| 4.50 | | | | | 7.1 | 6.1 | |
| 5.00 | | | | | 6.7 | 5.9 | |
| 6.00 | | | | | 6.3 | 5.4 | |
| 6.60 | | | | | 6.1 | 5.9 | |
| 7.00 | | | | | 6.0 | 5.4 | |

Notes:

Project: SEA

Site: 2419

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

500281 mE
500175 mE

7060088 mN
7059900 mN

Described By: Manders, JA

Date: 24-May-2001

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: No record
Element: No record
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: Grey, CHROMOSOL
GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| A1 | 0.00 to 0.20 | Very dark brown (10YR22) moist; very few <2% fine <5mm faint brown mottles; medium clay; moderate 5-10mm angular blocky structure; moderately moist when sampled; clear to; |
| B2 | 0.20 to 0.80 | Dark grey (10YR41) moist; few 2-10% coarse 15-30mm prominent brown, few 2-10% medium 5-15mm prominent orange mottles; medium clay; massive structure; moderately moist when sampled; diffuse to; |
| 2B21 | 0.80 to 1.30 | Very dark grey (10YR31) moist; very few <2% medium 5-15mm distinct orange mottles; medium clay; very few <2% subangular charcoal small pebbles 2-6mm; massive structure; wet when sampled; clear to; |
| 2B22 | 1.30 to 1.80 | Very dark grey (10YR31) moist; very few <2% medium 5-15mm prominent orange mottles; fibric sandy light clay; very few <2% subangular charcoal small pebbles 2-6mm; massive structure; wet when sampled; sharp to; |
| 3B21 | 1.80 to 2.30 | Dark grey (10YR41) moist; silty medium clay; massive structure; wet when sampled; clear to; |
| 4D1 | 2.30 to 2.80 | Greenish grey (5GY51) moist; silty heavy clay; massive structure; wet when sampled; diffuse to; |
| 4D2 | 2.80 to 3.50 | Greenish grey (5GY51) moist; few 2-10% coarse 15-30mm prominent red, very few <2% coarse 15-30mm prominent orange mottles; silty heavy clay; massive structure; wet when sampled; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.7 | 3.1 | |
| 0.30 | | | | | 4.9 | 3.5 | |
| 0.60 | | | | | 5.1 | 3.4 | |
| 0.80 | | | | | 4.9 | 2.6 | |
| 1.00 | | | | | 4.8 | 2.4 | |
| 1.25 | | | | | 4.9 | 2.7 | |
| 1.50 | | | | | 5.0 | 2.4 | |
| 1.75 | | | | | 5.0 | 1.8 | |
| 2.00 | | | | | 5.3 | 1.3 | |
| 2.25 | | | | | 5.8 | 2.3 | |
| 2.50 | | | | | 5.8 | 2.3 | |
| 2.75 | | | | | 6.3 | 3.1 | |
| 3.00 | | | | | 6.5 | 5.7 | |
| 3.50 | | | | | 6.6 | 6.0 | |

Notes:

Project: SEA

Site: 2420

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

508905 mE
508799 mE

7056282 mN
7056094 mN

Described By: Malcolm, D (Don)

Date: 28-Feb-2001

Landscape:

Geology: No record
Landform Pattern: beach ridge plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: No record
Element: plain
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: Grey, CHROMOSOL
GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|---------------|---|
| A11 | 0.00 to 0.25 | Very dark greyish brown (10YR32) moist; very few <2% fine <5mm faint orange mottles; fine sandy clay loam; massive structure; |
| B21 | 0.25 to 0.70 | Dark greyish brown (10YR42) moist; few 2-10% medium 5-15mm distinct orange mottles; fine sandy clay loam; massive structure; |
| 2C1 | 0.70 to 1.10 | Greyish brown (10YR52) moist; fine sand; single grain structure; |
| 2C2 | 1.10 to 1.40 | Grey (10YR61) moist; fine sand; single grain structure; |
| 3C3 | 1.40 to 1.80 | Dark grey (2.5Y41) moist; sandy loam; single grain structure; few 2-10% medium 2-6mm organic (humified) fragments; |
| 4A21 | 1.80 to 2.20 | Grey (2.5Y61) moist; sand; single grain structure; |
| 4A22 | 2.20 to 3.80 | White (10YR81) moist; sand; single grain structure; |
| 4B2h | 3.80 to 4.40 | Black (10YR20) moist; loamy sand; massive structure; moderately cemented continuous massive organic pan; |
| 4B22s | 4.40 to 8.00 | Dark brown (7.5YR34) moist; sand; single grain structure; |
| 5C4 | 8.00 to 10.20 | Light brownish grey (10YR62) moist; loamy sand; massive structure; |
| 6C5 | 10.2 to 11.5 | Dark grey (2.5Y41) moist; clayey sand; single grain structure; |
| 7C6 | 11.5 to 12.0 | Dark greyish brown (10YR42) moist; sand; single grain structure; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 6.0 | 0.9 | |
| 0.30 | | | | | 5.3 | 2.5 | |
| 0.60 | | | | | 4.9 | 3.1 | |
| 0.80 | | | | | 5.1 | 3.4 | |
| 1.00 | | | | | 5.0 | 3.2 | |
| 1.25 | | | | | 5.0 | 1.4 | |
| 1.50 | | | | | 5.2 | 0.9 | |
| 1.75 | | | | | 5.6 | 1.6 | |
| 2.00 | | | | | 5.6 | 1.7 | |
| 2.25 | | | | | 5.3 | 1.8 | |
| 2.50 | | | | | 5.2 | 1.7 | |
| 2.75 | | | | | 5.7 | 1.9 | |
| 3.00 | | | | | 5.6 | 1.8 | |
| 3.25 | | | | | 7.3 | 2.0 | |
| 3.50 | | | | | 7.1 | 1.9 | |
| 3.75 | | | | | 6.6 | 2.0 | |
| 4.00 | | | | | 5.3 | 0.9 | |
| 4.25 | | | | | 5.5 | 1.0 | |
| 10.50 | | | | | 6.8 | 1.6 | |
| 11.00 | | | | | 6.7 | 1.7 | |
| 11.50 | | | | | 6.7 | 1.7 | |
| 12.00 | | | | | 6.6 | 1.6 | |

Notes:

Project: SEA

Site: 2421

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56 508964 mE
ZONE 56 508858 mE

7054023 mN
7053835 mN

Described By: Malcolm, D (Don)

Date: 28-Feb-2001

Landscape:

Geology: No record
Landform Pattern: beach ridge plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: No record
Element: plain
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: Grey, CHROMOSOL

GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| A1 | 0.00 to 0.40 | Very dark greyish brown (10YR32) moist; sandy loam; weak 2-5mm granular structure; |
| A21 | 0.40 to 0.60 | Greyish brown (10YR52) moist; sand; single grain structure; |
| A22e | 0.60 to 1.10 | Light grey (10YR72) moist; sand; single grain structure; |
| C1 | 1.10 to 1.60 | Dark grey (5Y41) moist; clayey sand; single grain structure; |
| C2 | 1.60 to 6.60 | Grey (5Y51) moist; sand; single grain structure; |
| 2Bs | 6.60 to 7.20 | Olive brown (2.5Y44) moist; loamy sand; massive structure; weakly cemented continuous massive organic pan; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.2 | | |
| 0.30 | | | | | 5.4 | 5.0 | |
| 0.60 | | | | | 5.7 | 5.5 | |
| 0.80 | | | | | 5.0 | 5.5 | |
| 1.00 | | | | | 4.6 | 5.0 | |
| 1.25 | | | | | 5.4 | 1.7 | |
| 1.50 | | | | | 5.3 | 1.6 | |
| 1.75 | | | | | 5.3 | 1.3 | |
| 2.00 | | | | | 5.4 | 1.4 | |
| 2.25 | | | | | 5.4 | 1.3 | |
| 2.50 | | | | | 5.4 | 1.4 | |
| 2.75 | | | | | 5.2 | 1.3 | |
| 3.00 | | | | | 5.2 | 1.5 | |
| 3.25 | | | | | 5.1 | 1.3 | |
| 3.50 | | | | | 5.0 | 1.2 | |
| 3.75 | | | | | 5.2 | 1.2 | |
| 4.00 | | | | | 5.0 | 1.3 | |
| 4.25 | | | | | 5.1 | 1.4 | |
| 4.50 | | | | | 5.3 | 1.4 | |
| 4.75 | | | | | 5.0 | 1.6 | |
| 5.00 | | | | | 5.1 | 1.5 | |
| 5.50 | | | | | 5.0 | 1.5 | |
| 6.00 | | | | | 4.9 | 1.5 | |
| 6.50 | | | | | 5.1 | 1.7 | |
| 7.00 | | | | | 5.6 | 3.0 | |

Notes:

Location Site at back of Youth camp sport ground on Najoor Rd

Project: SEA

Site: 2422

Soil Name: No record

Location: GDA 94 ZONE 56 508887 mE 7054670 mN
Location: AGD 84 ZONE 56 508781 mE 7054482 mN

Described By: Malcolm, D (Don)

Date: 01-Mar-2001

Landscape:

Geology: No record **Substrate Lithology:** No record
Landform Pattern: beach ridge plain **Element:** plain
Runoff: No record **Permeability:** No record
Microrelief: No record **Microrelief Component:** No record
Drainage: No record **Slope:** No record
Surface Coarse Fragments: No record
Surface Condition: No record

Classifications:

ASC: Grey, CHROMOSOL **PPF:** No record
GSG: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|---------------|--|
| A1 | 0.00 to 0.30 | Very dark greyish brown (10YR32) moist; very few <2% fine <5mm faint orange mottles; fine sandy loam; massive structure; |
| B2 | 0.30 to 1.00 | Light brownish grey (10YR62) moist; few 2-10% medium 5-15mm distinct orange mottles; fine sand; single grain structure; |
| C1 | 1.00 to 1.60 | Light brownish grey (10YR62) moist; fine sand; single grain structure; |
| 2C2u | 1.60 to 2.10 | Dark grey (5Y41) moist; clayey sand; single grain structure; |
| 3C3u | 2.10 to 3.00 | Grey (5Y51) moist; sand; single grain structure; |
| 4C4u | 3.00 to 3.30 | Dark grey (5Y41) moist; sandy clay loam; massive structure; common 10-20% medium 2-6mm organic (humified) fragments; |
| 5C5u | 3.30 to 3.80 | Grey (5Y51) moist; sand; single grain structure; |
| 5C6u | 3.80 to 4.40 | Grey (5Y61) moist; sand; single grain structure; |
| 5C7u | 4.40 to 4.80 | Grey (5Y51) moist; sand; single grain structure; No decode(5) when sampled; |
| 5C8u | 4.80 to 6.60 | Grey (5Y61) moist; sand; single grain structure; |
| 6C9u | 6.60 to 7.20 | Dark grey (5Y41) moist; sand; single grain structure; |
| 7C10u | 7.20 to 9.60 | Grey (5Y61) moist; sand; single grain structure; |
| 8C10u | 9.60 to 10.80 | Grey (2.5Y61) moist; fine sand; massive structure; wet when sampled; sharp to; |
| 9C11u | 10.8 to 11.5 | Very dark grey (5Y31) moist; silty light clay; few 2-10% angular shell medium pebbles 6-20mm; massive structure; wet when sampled; gradual to; |
| 9C12u | 11.5 to 15.1 | Dark grey (5Y41) moist; fine sandy light clay; few 2-10% angular shell small pebbles 2-6mm; massive structure; wet when sampled; gradual to; |
| 9C13u | 15.1 to 16.3 | Dark grey (5Y41) moist; silty light clay; very few <2% angular shell medium pebbles 6-20mm, very few <2% subrounded platy sandstone medium pebbles 6-20mm; massive structure; wet when sampled; abrupt to; |
| 9C14u | 16.3 to 16.8 | Dark grey (2.5Y41) moist; clayey sand; massive structure; few 2-10% medium 2-6mm organic (humified) fragments; wet when sampled; clear to; |
| 9C15u | 16.8 to 17.9 | Dark grey (5Y41) moist; silty light clay; very few <2% angular shell medium pebbles 6-20mm; massive structure; wet when sampled; gradual to; |
| 9C16u | 17.9 to 20.0 | Dark grey (5Y41) moist; clayey fine sand; massive structure; few 2-10% medium 2-6mm organic (humified) fragments; wet when sampled; diffuse to; |
| 9C17u | 20.0 to 21.0 | Grey (5Y51) moist; clayey sand; very few <2% angular shell small pebbles 2-6mm; massive structure; very few <2% medium 2-6mm organic (humified) fragments; wet when sampled; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 3.9 | 2.3 | |
| 0.30 | | | | | 4.6 | 3.7 | |
| 0.60 | | | | | 4.5 | 3.7 | |
| 0.80 | | | | | 5.1 | 4.4 | |
| 1.00 | | | | | 5.1 | 4.6 | |
| 1.25 | | | | | 4.9 | 4.4 | |
| 1.50 | | | | | 5.0 | 3.9 | |

Project: SEA

Site: 2422

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56
Malcolm, D (Don)

508887 mE
508781 mE

7054670 mN
7054482 mN
Date: 01-Mar-2001

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 1.75 | | | | | 4.3 | 1.8 | |
| 2.00 | | | | | 4.7 | 1.9 | |
| 2.25 | | | | | 4.4 | 1.8 | |
| 2.50 | | | | | 4.6 | 1.8 | |
| 2.75 | | | | | 4.7 | 1.7 | |
| 3.00 | | | | | 4.8 | 1.1 | |
| 3.25 | | | | | 4.6 | 1.5 | |
| 3.50 | | | | | 4.7 | 1.7 | |
| 3.75 | | | | | 4.8 | 1.6 | |
| 4.00 | | | | | 4.7 | 1.6 | |
| 4.25 | | | | | 4.9 | 1.7 | |
| 4.50 | | | | | 4.9 | 1.6 | |
| 4.75 | | | | | 4.7 | 1.6 | |
| 5.00 | | | | | 5.0 | 1.7 | |
| 5.50 | | | | | 4.9 | 1.8 | |
| 6.00 | | | | | 4.6 | 1.6 | |
| 6.50 | | | | | 5.0 | 1.9 | |
| 7.00 | | | | | 5.4 | 2.0 | |
| 7.50 | | | | | 6.2 | 1.6 | |
| 8.00 | | | | | 6.2 | 1.9 | |
| 8.50 | | | | | 6.3 | 1.8 | |
| 9.00 | | | | | 6.0 | 1.8 | |
| 9.50 | | | | | 6.0 | 1.8 | |
| 10.00 | | | | | 7.2 | 2.5 | |
| 10.50 | | | | | 7.6 | 2.3 | |
| 11.00 | | | | | 8.2 | 2.1 | |
| 11.50 | | | | | 8.5 | 1.9 | |
| 12.00 | | | | | 8.4 | 1.9 | |
| 12.50 | | | | | 8.1 | 2.3 | |
| 13.00 | | | | | 8.5 | 2.3 | |
| 13.50 | | | | | 8.3 | 2.3 | |
| 14.00 | | | | | 8.3 | 2.3 | |
| 14.50 | | | | | 8.2 | 2.3 | |
| 15.00 | | | | | 8.4 | 2.3 | |
| 15.50 | | | | | 8.4 | 2.0 | |
| 16.00 | | | | | 8.5 | 2.3 | |
| 16.50 | | | | | 8.5 | 2.4 | |
| 17.00 | | | | | 8.5 | 5.1 | |
| 17.50 | | | | | 8.3 | 3.0 | |
| 18.00 | | | | | 8.1 | 2.1 | |
| 18.50 | | | | | 8.0 | 3.7 | |
| 19.00 | | | | | 8.1 | 2.2 | |
| 19.50 | | | | | 8.0 | 2.4 | |
| 20.00 | | | | | 8.1 | 4.1 | |
| 20.50 | | | | | 8.0 | 2.2 | |
| 21.00 | | | | | 7.8 | 2.5 | |

Notes:

Project: SEA

Site: 2423

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

509101 mE
508995 mE

7055753 mN
7055565 mN

Described By: Malcolm, D (Don)

Date: 01-Mar-2001

Landscape:

Geology: No record
Landform Pattern: beach ridge plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: No record
Element: plain
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: Grey, CHROMOSOL
GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| A1 | 0.00 to 0.20 | Very dark greyish brown (10YR32) moist; loamy fine sand; single grain structure; |
| B21 | 0.20 to 1.20 | Pale brown (10YR63) moist; few 2-10% coarse 15-30mm dark, few 2-10% coarse 15-30mm distinct orange mottles; fine sand; single grain structure; |
| B22 | 1.20 to 1.70 | Light brownish grey (10YR62) moist; sand; single grain structure; |
| C1u | 1.70 to 2.70 | Dark grey (5Y41) moist; sand; single grain structure; |
| C2u | 2.70 to 3.00 | Light grey (5Y71) moist; sand; single grain structure; |
| C3u | 3.00 to 4.50 | Grey (2.5Y51) moist; sand; single grain structure; |
| 2Ae | 4.50 to 4.70 | White (2.5Y81) moist; sand; single grain structure; |
| 2Bh | 4.70 to 4.80 | Black (10YR20) moist; loamy sand; massive structure; moderately cemented continuous massive organic pan; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.3 | 3.5 | |
| 0.30 | | | | | 5.1 | 4.7 | |
| 0.60 | | | | | 5.6 | 5.0 | |
| 0.80 | | | | | 5.3 | 5.0 | |
| 1.00 | | | | | 5.0 | 4.1 | |
| 1.25 | | | | | 5.5 | 4.3 | |
| 1.50 | | | | | 5.7 | 3.0 | |
| 1.75 | | | | | 5.7 | 1.7 | |
| 2.00 | | | | | 5.8 | 1.8 | |
| 2.25 | | | | | 5.9 | 1.8 | |
| 2.50 | | | | | 5.6 | 1.3 | |
| 2.75 | | | | | 5.7 | 1.8 | |
| 3.00 | | | | | 4.9 | 3.0 | |
| 3.25 | | | | | 5.1 | 1.7 | |
| 3.50 | | | | | 5.1 | 1.8 | |
| 3.75 | | | | | 5.1 | 1.7 | |
| 4.00 | | | | | 5.0 | 1.6 | |
| 4.25 | | | | | 5.1 | 1.7 | |
| 4.50 | | | | | 5.1 | 1.4 | |
| 4.65 | | | | | 4.6 | 2.0 | |
| 4.75 | | | | | 5.4 | 1.3 | |

Notes:

Project: SEA

Site: 2424

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

507291 mE
507185 mE

7060641 mN
7060453 mN

Described By: Adams, J (Justin)

Date: 08-Mar-2001

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: No record
Element: swamp
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: Humic, Aquic, PODOSOL
GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| A1 | 0.00 to 0.25 | Very dark grey (10YR31) moist; sandy clay loam; massive structure; |
| B21 | 0.25 to 0.45 | Very dark greyish brown (10YR32) moist; few 2-10% fine <5mm distinct orange mottles; clayey sand; single grain structure; |
| B22 | 0.45 to 0.90 | Dark grey (10YR41) moist; few 2-10% fine <5mm distinct orange mottles; sand; single grain structure; |
| B23h | 0.90 to 1.50 | Black (10YR21) moist; loamy sand; massive structure; moderately cemented continuous massive organic pan; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.2 | 3.1 | |
| 0.30 | | | | | 4.5 | 3.5 | |
| 0.60 | | | | | 4.3 | 3.5 | |
| 0.80 | | | | | 5.1 | 2.8 | |
| 1.00 | | | | | 4.7 | 1.3 | |
| 1.25 | | | | | 4.8 | 0.9 | |
| 1.50 | | | | | 5.4 | 1.3 | |

Notes:

Project: SEA

Site: 2426

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

506993 mE
506887 mE

7060332 mN
7060144 mN

Described By: Adams, J (Justin)

Date: 14-Mar-2001

Landscape:

Geology: No record
Landform Pattern: No record
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: No record
Element: No record
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: PODOSOL
GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| A1 | 0.00 to 0.50 | Black (10YR21) moist; sandy light clay; moderate 2-5mm granular structure; abrupt to; |
| B21 | 0.50 to 1.10 | Light brownish grey (10YR62) moist; common 10-20% coarse 15-30mm distinct orange mottles; sand; single grain structure; clear to; |
| B22 | 1.10 to 2.20 | Grey (10YR51) moist; sand; single grain structure; |
| B23s | 2.20 to 2.60 | Very dark grey (10YR31) moist; sand; single grain structure; |
| B24h | 2.60 to 4.50 | Very dark grey (10YR31) moist; loamy sand; massive structure; moderately cemented continuous massive organic pan; |
| B/C | 4.50 to 8.00 | Sand; single grain structure; |
| C | 8.00 to 9.60 | Dark grey (2.5Y41) moist; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.2 | 2.6 | |
| 0.30 | | | | | 4.1 | 3.2 | |
| 0.60 | | | | | 4.2 | 3.8 | |
| 0.80 | | | | | 3.7 | 3.0 | |
| 1.00 | | | | | 3.8 | 3.4 | |
| 1.25 | | | | | 4.2 | 2.5 | |
| 1.50 | | | | | 5.0 | 2.6 | |
| 1.75 | | | | | 4.8 | 1.9 | |
| 2.00 | | | | | 4.9 | 2.1 | |
| 2.25 | | | | | 5.1 | 1.6 | |
| 2.50 | | | | | 5.7 | 1.2 | |
| 2.75 | | | | | 5.5 | 2.6 | |
| 3.00 | | | | | 5.5 | 2.8 | |
| 3.25 | | | | | 5.4 | 2.2 | |
| 3.50 | | | | | 5.4 | 1.6 | |
| 3.75 | | | | | 5.3 | 2.0 | |
| 4.00 | | | | | 5.4 | 1.7 | |
| 4.25 | | | | | 5.3 | 1.8 | |
| 4.50 | | | | | 5.2 | 1.7 | |
| 8.00 | | | | | 4.9 | 1.8 | |
| 8.80 | | | | | 5.0 | 1.8 | |
| 9.60 | | | | | 5.0 | 1.9 | |

Notes:

Location Near Maroochy River, contour <1m

Project: SEA

Site: 2427

Soil Name: No record

Location: GDA 94 ZONE 56 507015 mE 7060190 mN
Location: AGD 84 ZONE 56 506909 mE 7060002 mN

Described By: Adams, J (Justin)

Date: 15-Mar-2001

Landscape:

Geology: No record

Landform Pattern: alluvial plain

Runoff: No record

Microrelief: No record

Drainage: No record

Surface Coarse Fragments: No record

Surface Condition: No record

Substrate Lithology: No record

Element: swamp

Permeability: No record

Microrelief Component: No record

Slope: No record

Classifications:

ASC: PODOSOL

GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| A1 | 0.00 to 0.30 | Black (10YR21) moist; heavy fine sandy clay loam; moderate 2-5mm granular structure; |
| A/B21 | 0.30 to 0.55 | Black (10YR21) moist; few 2-10% medium 5-15mm distinct orange mottles; fine sandy light clay; moderate 2-5mm granular structure; |
| B22 | 0.55 to 0.65 | Grey (10YR51) moist; few 2-10% medium 5-15mm distinct orange mottles; sandy light clay; massive structure; |
| 2C1 | 0.65 to 1.20 | Grey (10YR51) moist; sand; single grain structure; |
| 3C2 | 1.20 to 1.50 | Black (10YR21) moist; fibric sandy clay loam; massive structure; |
| 4Ae | 1.50 to 1.90 | Grey (7.5YR61) moist; sand; single grain structure; |
| 4Bh | 1.90 to 2.40 | Black (10YR21) moist; loamy sand; massive structure; moderately cemented continuous massive organic pan; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.6 | 3.3 | |
| 0.30 | | | | | 3.9 | 3.3 | |
| 0.60 | | | | | 4.1 | 3.1 | |
| 0.80 | | | | | 4.0 | 3.2 | |
| 1.00 | | | | | 5.1 | 3.1 | |
| 1.25 | | | | | 5.0 | 2.1 | |
| 1.50 | | | | | 5.1 | 1.9 | |
| 1.75 | | | | | 5.3 | 1.9 | |
| 2.00 | | | | | 5.3 | 1.8 | |
| 2.25 | | | | | 5.2 | 1.8 | |

Notes:

Location West of motorway near large drain

Project: SEA

Site: 2428

Soil Name: No record

Location: GDA 94 ZONE 56 503010 mE 7039319 mN
Location: AGD 84 ZONE 56 502904 mE 7039131 mN

Described By: Malcolm, D (Don)

Date: 23-Mar-2001

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: No record
Element: plain
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: PODOSOL
GSG: No record **PPF:** No record

Vegetation:

Tallest Stratum: Tree, 12.01-20m, sparse
Eucalyptus tereticornis (blue gum, forest red gum)

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|---------------|---|
| A11 | 0.00 to 0.50 | Very dark greyish brown (10YR32) moist; very few <2% fine <5mm faint orange mottles; light clay; moderate 2-5mm granular structure; |
| B1 | 0.50 to 0.70 | Dark greyish brown (10YR42) moist; few 2-10% medium 5-15mm distinct orange mottles; light medium clay; moderate 2-5mm subangular blocky structure; |
| B21 | 0.70 to 1.20 | Grey (10YR51) moist; few 2-10% coarse 15-30mm distinct orange mottles; fine sandy light medium clay; moderate 2-5mm subangular blocky structure; |
| B22 | 1.20 to 2.20 | Grey (10YR51) moist; few 2-10% coarse 15-30mm distinct orange mottles; fine sandy medium clay; massive structure; |
| B23 | 2.20 to 2.80 | Grey (N60) moist; common 10-20% coarse 15-30mm distinct red mottles; fine sandy medium clay; massive structure; |
| B24 | 2.80 to 3.60 | Grey (N60) moist; common 10-20% medium 5-15mm distinct orange, few 2-10% medium 5-15mm distinct red mottles; fine sandy medium heavy clay; massive structure; |
| B25 | 3.60 to 3.80 | Grey (N60) moist; few 2-10% medium 5-15mm distinct red mottles; sandy medium heavy clay; massive structure; |
| B26 | 3.80 to 4.10 | Grey (N60) moist; few 2-10% medium 5-15mm distinct red mottles; coarse sandy medium heavy clay; massive structure; |
| 2B21 | 4.10 to 4.40 | Greyish brown (2.5Y52) moist; many 20-50% very coarse >30mm distinct red mottles; clayey coarse sand; single grain structure; |
| 2B22 | 4.40 to 4.60 | Greyish brown (2.5Y52) moist; coarse sandy medium heavy clay; massive structure; |
| 2B23 | 4.60 to 5.80 | Greyish brown (2.5Y52) moist; many 20-50% very coarse >30mm distinct red mottles; clayey coarse sand; very few <2% subangular quartz small pebbles 2-6mm; single grain structure; |
| 2B24 | 5.80 to 6.80 | Dark yellowish brown (10YR46) moist; common 10-20% coarse 15-30mm distinct orange, common 10-20% medium 5-15mm distinct red mottles; clayey coarse sand; massive structure; |
| 3B21 | 6.80 to 7.50 | Grey (N60) moist; few 2-10% medium 5-15mm distinct red mottles; sandy light clay; massive structure; |
| 3B22 | 7.50 to 8.00 | Grey (N60) moist; sandy light clay; massive structure; |
| 3B24 | 8.00 to 8.30 | Grey (N60) moist; many 20-50% very coarse >30mm distinct red mottles; clayey sand; single grain structure; |
| 3B25 | 8.30 to 9.00 | Grey (N60) moist; sandy light clay; massive structure; |
| 4B21 | 9.00 to 10.00 | Light olive grey (5Y62) moist; few 2-10% medium 5-15mm distinct orange mottles; sand; single grain structure; |
| 4B22 | 10.0 to 10.4 | Dark grey (10YR41) moist; clayey sand; single grain structure; |
| 5C1u | 10.4 to 11.5 | Very dark grey (5Y31) moist; silty medium heavy clay; massive structure; |
| 5C2u | 11.5 to 12.0 | Very dark grey (5Y31) moist; silty medium heavy clay; few 2-10% medium 2-6mm manganiferous nodules; |
| 6C3u | 12.0 to 12.3 | Dark grey (5Y41) moist; clayey sand; |
| 7C4u | 12.3 to 13.0 | Very dark grey (5Y31) moist; sandy light clay; |
| 8C5u | 13.0 to 14.2 | Dark grey (5Y41) moist; clayey sand; |
| 9C6u | 14.2 to 14.4 | Dark grey (5Y41) moist; silty light medium clay; |
| 10C7u | 14.4 to 15.4 | Dark grey (5Y41) moist; clayey coarse sand; few 2-10% subrounded sandstone large pebbles 20-60mm, few 2-10% subrounded sandstone medium pebbles 6-20mm; single grain structure; |
| 10C8u | 15.4 to 17.0 | Dark grey (5Y41) moist; clayey coarse sand; few 2-10% subrounded quartz small pebbles 2-6mm, very few <2% subrounded quartz large pebbles 20-60mm; single grain structure; |
| 11C9 | 17.0 to 17.2 | Clayey sand; single grain structure; |
| 12D | 17.2 to 17.6 | Grey (2.5Y61) moist; coarse sandy clay loam; massive structure; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.7 | 3.4 | |
| 0.30 | | | | | 5.0 | 4.5 | |
| 0.60 | | | | | 5.2 | 4.3 | |
| 0.80 | | | | | 4.9 | 4.1 | |
| 1.00 | | | | | 4.8 | 4.2 | |
| 1.25 | | | | | 4.6 | 4.0 | |
| 1.50 | | | | | 4.5 | 3.1 | |
| 1.75 | | | | | 4.4 | 3.6 | |
| 2.00 | | | | | 4.3 | 3.7 | |
| 2.25 | | | | | 4.1 | 3.7 | |
| 2.50 | | | | | 4.5 | 4.0 | |
| 2.75 | | | | | 4.6 | 4.2 | |
| 3.00 | | | | | 4.6 | 3.7 | |
| 3.25 | | | | | 4.7 | 4.2 | |
| 3.50 | | | | | 4.7 | 4.4 | |
| 3.75 | | | | | 4.8 | 4.3 | |
| 4.00 | | | | | 5.0 | 4.6 | |
| 4.25 | | | | | 5.1 | 3.6 | |
| 4.50 | | | | | 4.8 | 4.4 | |
| 4.75 | | | | | 4.7 | 4.3 | |
| 5.00 | | | | | 4.5 | 4.0 | |
| 5.25 | | | | | | 3.6 | |
| 5.50 | | | | | | 4.0 | |
| 5.75 | | | | | | 3.7 | |
| 6.00 | | | | | 4.7 | 3.8 | |
| 6.50 | | | | | 4.7 | 4.0 | |
| 7.00 | | | | | 5.4 | 3.8 | |
| 7.50 | | | | | 4.9 | 4.0 | |
| 8.00 | | | | | 5.1 | 4.0 | |
| 8.50 | | | | | 5.4 | 4.5 | |
| 9.00 | | | | | 5.8 | 4.7 | |
| 9.50 | | | | | 5.2 | 4.0 | |
| 10.00 | | | | | 5.5 | 4.5 | |
| 10.50 | | | | | 5.5 | 4.5 | |
| 11.00 | | | | | 5.8 | 3.5 | |
| 11.50 | | | | | 5.6 | 3.6 | |
| 12.00 | | | | | 5.8 | 1.3 | |
| 12.50 | | | | | 5.5 | 1.7 | |
| 13.00 | | | | | 5.1 | 2.0 | |
| 13.50 | | | | | 5.5 | 2.6 | |
| 14.00 | | | | | 5.2 | 1.8 | |
| 14.50 | | | | | 5.4 | 2.2 | |
| 15.00 | | | | | 5.1 | 1.8 | |
| 15.50 | | | | | 5.8 | 1.3 | |
| 16.00 | | | | | 5.6 | 1.2 | |
| 16.50 | | | | | 6.1 | 1.4 | |
| 17.00 | | | | | 5.7 | 2.2 | |
| 17.50 | | | | | 6.5 | 1.9 | |

Notes:

Project: SEA**Site: 2429**

Location: GDA 94 ZONE 56 503001 mE 7039242 mN
Location: AGD 84 ZONE 56 502895 mE 7039054 mN

Described By: Malcolm, D (Don)**Date:** 29-Mar-2001**Landscape:****Landform Pattern:** alluvial plain **Element:** plain**Classifications:****ASC:** PODOSOL**Profile Morphology:**

| Horizon | Depth (m) | Description |
|---------|---------------|--|
| A1 | 0.00 to 0.15 | Very dark greyish brown (10YR32) moist; clay loam; massive structure; moderately moist when sampled; |
| B21 | 0.15 to 3.00 | Dark greyish brown (10YR42) moist; many 20-50% coarse 15-30mm distinct orange, common 10-20% coarse 15-30mm prominent grey mottles; fine sandy medium clay; massive structure; moist when sampled; |
| B22 | 3.00 to 3.50 | Grey (2.5Y51) moist; many 20-50% coarse 15-30mm prominent orange mottles; medium heavy clay; massive structure; wet when sampled; |
| B23 | 3.50 to 3.80 | Grey (N50) moist; sandy medium clay; massive structure; moist when sampled; |
| 2B21 | 3.80 to 6.30 | Grey (2.5Y51) moist; sand; massive structure; wet when sampled; |
| 3B21 | 6.30 to 7.00 | Grey (10YR61) moist; few 2-10% medium 5-15mm distinct orange mottles; clayey coarse sand; single grain structure; |
| 4B21 | 7.00 to 8.00 | Grey (10YR51) moist; few 2-10% medium 5-15mm distinct orange mottles; fine sandy medium heavy clay; massive structure; |
| 5C1u | 8.00 to 10.70 | Grey (10YR51) moist; fine sandy clay loam; massive structure; |
| 6C2u | 10.7 to 11.2 | Dark grey (2.5Y41) moist; sand; single grain structure; |
| 7C3u | 11.2 to 12.3 | Greyish brown (2.5Y52) moist; coarse sand; few 2-10% subangular quartz small pebbles 2-6mm; single grain structure; |
| 8C4 | 12.3 to 12.5 | Dark grey (10YR41) moist; very few <2% medium 5-15mm distinct orange mottles; coarse sandy medium clay; few 2-10% medium 2-6mm ferruginous nodules; |
| 9C5 | 12.5 to 13.2 | Greyish brown (10YR52) moist; clayey coarse sand; single grain structure; |
| 10C6 | 13.2 to 13.4 | Grey (10YR51) moist; few 2-10% medium 5-15mm distinct orange mottles; fine sandy medium heavy clay; massive structure; |
| 11C7 | 13.4 to 13.7 | Dark grey (5Y41) moist; sandy loam; massive structure; |
| 12C8 | 13.7 to 15.0 | Grey (5Y61) moist; sand; single grain structure; |
| 13C9 | 15.0 to 15.8 | Grey (5Y61) moist; coarse sand; few 2-10% subrounded quartz small pebbles 2-6mm; single grain structure; |
| 14C10 | 15.8 to 16.3 | Grey (5Y51) moist; coarse sandy medium clay; massive structure; |
| 15C11 | 16.3 to 17.0 | Dark grey (5Y41) moist; clayey coarse sand; few 2-10% subrounded quartz small pebbles 2-6mm; single grain structure; |
| 16D | 17.0 to 18.0 | Light greenish grey (5GY71) moist; sandy clay loam; massive structure; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.3 | 2.6 | |
| 0.60 | | | | | 4.8 | 2.7 | |
| 1.00 | | | | | 4.9 | 3.1 | |
| 2.00 | | | | | 5.0 | 2.4 | |
| 3.00 | | | | | 4.9 | 3.1 | |
| 3.50 | | | | | 5.4 | 4.2 | |
| 4.50 | | | | | 5.5 | 4.6 | |
| 5.00 | | | | | 5.9 | 3.1 | |
| 6.00 | | | | | 6.1 | 4.2 | |
| 6.50 | | | | | 6.2 | 3.3 | |
| 7.00 | | | | | 6.6 | 2.6 | |
| 7.50 | | | | | 6.3 | 3.2 | |
| 8.00 | | | | | 6.1 | 3.0 | |
| 8.50 | | | | | 6.2 | 2.9 | |
| 9.00 | | | | | 5.3 | 3.5 | |
| 9.50 | | | | | 5.6 | 3.9 | |
| 10.00 | | | | | 5.3 | 3.3 | |
| 10.50 | | | | | 5.4 | 3.6 | |
| 11.00 | | | | | 5.6 | 2.4 | |
| 11.50 | | | | | 5.6 | 3.3 | |
| 12.00 | | | | | 5.7 | 3.7 | |
| 12.50 | | | | | 5.5 | 3.5 | |
| 13.00 | | | | | 5.6 | 3.1 | |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 13.50 | | | | | 5.7 | 1.0 | |
| 14.00 | | | | | 6.0 | 1.6 | |
| 14.50 | | | | | 6.4 | 1.3 | |
| 15.00 | | | | | 6.2 | 1.3 | |
| 15.50 | | | | | 6.7 | 1.8 | |
| 16.00 | | | | | 6.4 | 1.9 | |
| 16.50 | | | | | 5.9 | 3.1 | |
| 17.00 | | | | | 6.5 | 3.1 | |
| 17.50 | | | | | 6.5 | 2.3 | |
| 18.00 | | | | | 6.6 | 2.3 | |

Notes:

Project: SEA

Site: 2430

Soil Name: No record

Location: GDA 94 ZONE 56 502896 mE 7039315 mN
Location: AGD 84 ZONE 56 502790 mE 7039127 mN

Described By: Malcolm, D (Don)

Date: 29-Mar-2001

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: No record
Element: plain
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: PODOSOL

GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|---------------|--|
| A11 | 0.00 to 0.15 | Very dark greyish brown (10YR32) moist; clay loam; weak 2-5mm granular structure; |
| B21 | 0.15 to 1.00 | Dark brown (10YR33) moist; fine sandy light clay; massive structure; |
| 2B21 | 1.00 to 1.80 | Grey (2.5Y61) moist; many 20-50% coarse 15-30mm distinct orange, common 10-20% coarse 15-30mm distinct red mottles; clayey sand; |
| 3B21 | 1.80 to 2.70 | Grey (N50) moist; few 2-10% medium 5-15mm distinct orange mottles; sandy medium clay; massive structure; |
| 4B21 | 2.70 to 3.30 | Grey (N50) moist; sandy clay loam; massive structure; |
| 5B2 | 3.30 to 4.40 | Grey (N50) moist; sandy heavy clay; massive structure; |
| 6C1 | 4.40 to 5.80 | Grey (N60) moist; sand; few 2-10% angular quartz small pebbles 2-6mm, very few <2% angular quartz medium pebbles 6-20mm; single grain structure; |
| 7C1 | 5.80 to 6.00 | Grey (N50) moist; clayey sand; massive structure; |
| 8C2 | 6.00 to 6.70 | Grey (10YR51) moist; common 10-20% very coarse >30mm distinct brown mottles; sandy light clay; massive structure; moist when sampled; clear to; |
| 9C2 | 6.70 to 7.20 | Dark greyish brown (10YR42) moist; sandy clay loam; very few <2% angular quartz medium pebbles 6-20mm; massive structure; moist when sampled; clear to; |
| 10C2 | 7.20 to 7.60 | Very dark greyish brown (10YR32) moist; clayey coarse sand; few 2-10% angular quartz small pebbles 2-6mm; massive structure; wet when sampled; sharp to; |
| 11C3 | 7.60 to 8.80 | Greenish grey (5GY61) moist; sandy light clay; clear to; |
| 12C4 | 8.80 to 9.70 | Greyish brown (10YR52) moist; loamy sand; very few <2% angular quartz medium pebbles 6-20mm; single grain structure; wet when sampled; clear to; |
| 13C5 | 9.70 to 12.20 | Very dark greyish brown (10YR32) moist; few 2-10% medium 5-15mm prominent orange mottles; silty heavy clay; massive structure; moist when sampled; clear to; |
| 14C6 | 12.2 to 13.3 | Grey (2.5Y51) moist; clayey sand; single grain structure; wet when sampled; |
| 15C7 | 13.3 to 15.4 | Grey (2.5Y51) moist; clayey coarse sand; few 2-10% angular quartz small pebbles 2-6mm; single grain structure; gradual to; |
| 16C8 | 15.4 to 15.6 | Dark grey (2.5Y41) moist; coarse sandy clay loam; few 2-10% angular quartz small pebbles 2-6mm; single grain structure; clear to; |
| 17C8 | 15.6 to 16.0 | Black (5Y2.51) moist; fine sandy light medium clay; very few <2% angular quartz stones 200-600mm; massive structure; wet when sampled; clear to; |
| 18C9 | 16.0 to 16.1 | Black (5Y2.51) moist; clayey coarse sand; few 2-10% angular quartz small pebbles 2-6mm; massive structure; wet when sampled; abrupt to; |
| 19C9 | 16.1 to 16.3 | Black (5Y2.51) moist; fine sandy light medium clay; massive structure; wet when sampled; sharp to; |
| 20D | 16.3 to 16.5 | Light greenish grey (10Y71) moist; heavy clay; few 2-10% angular quartz small pebbles 2-6mm; massive structure; moist when sampled; |

Project: SEA

Site: 2430

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

502896 mE
502790 mE

7039315 mN
7039127 mN

Described By: Malcolm, D (Don)

Date: 29-Mar-2001

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.3 | 2.6 | |
| 0.60 | | | | | 4.8 | 2.7 | |
| 1.00 | | | | | 4.9 | 3.1 | |
| 2.00 | | | | | 5.0 | 3.4 | |
| 3.00 | | | | | 4.9 | 3.1 | |
| 3.50 | | | | | 5.4 | 4.2 | |
| 4.50 | | | | | 5.5 | 4.6 | |
| 5.00 | | | | | 5.9 | 3.1 | |
| 5.50 | | | | | 6.0 | 3.9 | |
| 6.00 | | | | | 5.9 | 3.6 | |
| 6.50 | | | | | 5.6 | 3.9 | |
| 7.00 | | | | | 5.5 | 3.6 | |
| 7.50 | | | | | 5.6 | 3.5 | |
| 8.00 | | | | | 5.5 | 4.0 | |
| 8.50 | | | | | 5.5 | 3.7 | |
| 9.00 | | | | | 5.7 | 4.0 | |
| 9.50 | | | | | 5.9 | 3.8 | |
| 10.00 | | | | | 4.9 | 2.7 | |
| 10.50 | | | | | 4.8 | 2.9 | |
| 11.00 | | | | | 5.1 | 2.8 | |
| 11.50 | | | | | 4.6 | 2.7 | |
| 12.00 | | | | | 4.8 | 3.1 | |
| 12.50 | | | | | 5.2 | 4.0 | |
| 13.00 | | | | | 5.4 | 2.8 | |
| 13.50 | | | | | 5.2 | 4.5 | |
| 14.00 | | | | | 5.6 | 5.0 | |
| 14.50 | | | | | 5.8 | 5.1 | |
| 14.75 | | | | | 5.8 | 4.5 | |
| 15.00 | | | | | 5.9 | 4.6 | |
| 15.25 | | | | | 5.8 | 4.8 | |
| 15.50 | | | | | 5.6 | 1.4 | |
| 15.75 | | | | | 5.6 | 1.5 | |
| 16.00 | | | | | 5.9 | 1.1 | |
| 16.10 | | | | | 5.8 | 1.0 | |
| 16.25 | | | | | 5.9 | 2.1 | |
| 16.50 | | | | | 7.0 | 5.4 | |

Notes:

Project: SEA

Site: 2434

Soil Name: No record

Location: GDA 94 ZONE 56 506751 mE 7039306 mN
Location: AGD 84 ZONE 56 506645 mE 7039118 mN

Described By: Manders, JA

Date: 23-Apr-2001

Landscape:

Geology: No record
Landform Pattern: No record
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: No record
Element: No record
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: PODOSOL

GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|---------------|---|
| A1 | 0.00 to 0.25 | Very dark grey (10YR31) moist; light medium clay; moderate 2-5mm angular blocky structure; moderately moist when sampled; |
| B2 | 0.25 to 1.10 | Grey (10YR51) moist; common 10-20% fine <5mm prominent brown mottles; medium heavy clay; massive structure; moderately moist when sampled; |
| 2B21 | 1.10 to 1.70 | Grey (10YR61) moist; very few <2% fine <5mm faint brown mottles; light sandy clay loam; massive structure; moist when sampled; |
| 2B22 | 1.70 to 2.40 | Greenish grey (10Y61) moist; heavy sandy clay loam; massive structure; moist when sampled; |
| 2B23 | 2.40 to 2.80 | Red (2.5YR48) moist; few 2-10% coarse 15-30mm prominent yellow mottles; light sandy clay loam; massive structure; moist when sampled; |
| 3D1 | 2.80 to 4.70 | Grey (N60) moist; very few <2% fine <5mm prominent red, very few <2% fine <5mm prominent yellow mottles; heavy clay; massive structure; moist when sampled; |
| 4C1 | 4.70 to 5.00 | Greenish grey (10Y61) moist; sandy loam; massive structure; wet when sampled; |
| 4C2 | 5.00 to 5.40 | Greenish grey (10Y61) moist; sandy loam; massive structure; wet when sampled; |
| 4C3 | 5.40 to 5.70 | Brown (10YR53) moist; coarse sand; single grain structure; |
| 5D1 | 5.70 to 7.20 | Grey (N60) moist; heavy clay; massive structure; moist when sampled; gradual to; |
| 5D2 | 7.20 to 8.30 | Grey (N60) moist; very few <2% very coarse >30mm prominent brown mottles; heavy clay; massive structure; moist when sampled; clear to; |
| 6C1 | 8.30 to 9.20 | Yellowish brown (10YR54) moist; clayey sand; single grain structure; wet when sampled; clear to; |
| 6C2 | 9.20 to 9.50 | Dark yellowish brown (10YR46) moist; sandy clay loam; massive structure; wet when sampled; clear to; |
| 7D1 | 9.50 to 10.20 | Dark grey (2.5Y41) moist; very few <2% medium 5-15mm prominent brown mottles; heavy clay; massive structure; moist when sampled; |
| 8C1 | 10.2 to 10.9 | Greyish brown (2.5Y52) moist; very few <2% medium 5-15mm prominent brown mottles; sandy loam; single grain structure; wet when sampled; |
| 8C2 | 10.9 to 11.4 | Dark grey (2.5Y41) moist; very few <2% fine <5mm prominent brown mottles; sandy clay loam; massive structure; wet when sampled; gradual to; |
| C | 11.4 to 11.9 | Dark grey (2.5Y41) moist; silty medium clay; massive structure; wet when sampled; abrupt to; |
| C | 11.9 to 12.3 | Dark yellowish brown (10YR46) moist; clay loam, fine sandy; very few <2% subangular quartz large pebbles 20-60mm; massive structure; wet when sampled; abrupt to; |
| C | 12.3 to 13.4 | Light grey (10YR71) moist; coarse sand; very few <2% subangular quartz large pebbles 20-60mm; single grain structure; wet when sampled; clear to; |
| C | 13.4 to 14.1 | Grey (2.5Y51) moist; sandy light clay; massive structure; No decode(2) when sampled; clear to; |
| C | 14.1 to 15.5 | Light brownish grey (2.5Y62) moist; coarse sand; single grain structure; wet when sampled; abrupt to; |
| C | 15.5 to 15.8 | Grey (2.5Y61) moist; few 2-10% coarse 15-30mm prominent brown mottles; sandy light clay; massive structure; wet when sampled; clear to; |
| C | 15.8 to 17.0 | Grey (5Y51) moist; clay loam, sandy; massive structure; wet when sampled; clear to; |
| C | 17.0 to 17.4 | Grey (5Y51) moist; coarse sand; single grain structure; wet when sampled; clear to; |
| C | 17.4 to 17.6 | Greenish grey (5GY51) moist; few 2-10% coarse 15-30mm prominent gley mottles; light medium clay; massive structure; wet when sampled; |
| D | 17.6 to 18.1 | Light greenish grey (10Y81) moist; sandy heavy clay; massive structure; dry when sampled; |
| D | 18.1 to 18.2 | Yellowish brown (10YR58) moist; sandy medium clay; massive structure; dry when sampled; |

Project: SEA

Site: 2434

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

506751 mE
506645 mE

7039306 mN
7039118 mN

Described By: Manders, JA

Date: 23-Apr-2001

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 5.0 | 2.7 | |
| 1.00 | | | | | 4.5 | 2.9 | |
| 2.00 | | | | | 4.6 | 3.1 | |
| 3.00 | | | | | 4.8 | 3.4 | |
| 4.00 | | | | | 4.5 | 3.1 | |
| 5.00 | | | | | 4.7 | 3.4 | |
| 6.00 | | | | | 4.5 | 3.5 | |
| 7.00 | | | | | 4.7 | 3.5 | |
| 8.00 | | | | | 3.8 | 3.8 | |
| 9.00 | | | | | 4.7 | 3.1 | |
| 10.50 | | | | | 4.9 | 4.2 | |
| 11.00 | | | | | 4.3 | 3.7 | |
| 11.25 | | | | | 4.8 | 4.1 | |
| 11.50 | | | | | 4.9 | 2.1 | |
| 11.75 | | | | | 5.0 | 2.0 | |
| 12.00 | | | | | 5.0 | 2.4 | |
| 12.50 | | | | | 4.5 | 3.2 | |
| 13.00 | | | | | 4.2 | 4.0 | |
| 13.50 | | | | | 4.1 | 4.0 | |
| 14.00 | | | | | 4.5 | 3.2 | |
| 14.50 | | | | | 4.5 | 4.0 | |
| 15.00 | | | | | 4.5 | 4.3 | |
| 15.50 | | | | | 4.8 | 3.6 | |
| 16.00 | | | | | 5.2 | 3.9 | |
| 16.50 | | | | | 5.5 | 2.4 | |
| 17.00 | | | | | 6.0 | 2.4 | |
| 17.30 | | | | | 5.5 | 1.7 | |
| 17.50 | | | | | 5.5 | 4.1 | |
| 18.00 | | | | | 6.2 | 5.8 | |

Notes:

Project: SEA

Site: 2439

Soil Name: No record

| | | | | |
|------------------|--------|---------|-----------|------------|
| Location: | GDA 94 | ZONE 56 | 500616 mE | 7060438 mN |
| Location: | AGD 84 | ZONE 56 | 500510 mE | 7060250 mN |

Described By: Smith, CD (Doug)

Date: 24-May-2001

Landscape:

| | |
|--|---|
| Geology: No record | Substrate Lithology: No record |
| Landform Pattern: alluvial plain | Element: No record |
| Runoff: No record | Permeability: No record |
| Microrelief: No record | Microrelief Component: No record |
| Drainage: No record | Slope: No record |
| Surface Coarse Fragments: No record | |
| Surface Condition: No record | |

Classifications:

| | |
|--|-----------------------|
| ASC: Sulfidic, Oxyaquic, HYDROSOL | |
| GSG: No record | PPF: No record |

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| Ap | 0.00 to 0.20 | Very dark greyish brown (10YR32) moist; medium clay; moderate 2-5mm angular blocky structure; moderately moist when sampled; clear to; |
| B21 | 0.20 to 0.40 | Dark grey (10YR41) moist; few 2-10% medium 5-15mm prominent orange, very few <2% fine <5mm prominent red mottles; medium clay; massive structure; moderately moist when sampled; clear to; |
| B22 | 0.40 to 2.40 | Dark grey (10YR41) moist; few 2-10% medium 5-15mm prominent orange, very few <2% medium 5-15mm prominent brown mottles; medium heavy clay; massive structure; moderately moist when sampled; diffuse to; |
| B23 | 2.40 to 6.00 | Greenish grey (10Y51) moist; very few <2% medium 5-15mm prominent gley, very few <2% coarse 15-30mm prominent orange, very few <2% medium 5-15mm prominent brown mottles; heavy clay; massive structure; moderately moist when sampled; diffuse to; |
| B24 | 6.00 to 8.00 | Greenish grey (10Y61) moist; very few <2% very coarse >30mm prominent brown mottles; medium clay; massive structure; moist when sampled; diffuse to; |
| B25 | 8.00 to 8.60 | Greenish grey (10Y51) moist; medium clay; massive structure; wet when sampled; |
| 2B2 | 8.60 to 9.70 | Grey (10YR61) moist; sandy light clay; massive structure; wet when sampled; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.4 | 2.7 | |
| 0.30 | | | | | 4.7 | 3.5 | |
| 0.60 | | | | | 4.7 | 3.6 | |
| 0.80 | | | | | 4.8 | 3.0 | |
| 1.00 | | | | | 4.7 | 3.0 | |
| 1.50 | | | | | 4.6 | 2.9 | |
| 2.00 | | | | | 4.3 | 3.8 | |
| 3.00 | | | | | 4.5 | 4.8 | |
| 4.00 | | | | | 5.9 | 4.4 | |
| 5.00 | | | | | 5.8 | 4.4 | |
| 6.00 | | | | | 6.1 | 6.8 | |
| 7.00 | | | | | 5.8 | 6.0 | |
| 8.00 | | | | | 6.1 | 5.5 | |
| 8.50 | | | | | 6.4 | 5.5 | |
| 9.50 | | | | | 6.3 | 5.8 | |

Notes:

Project: SEA

Site: 2440

Soil Name: No record

Location: GDA 94

ZONE 56

499726 mE

7060458 mN

Location: AGD 84

ZONE 56

499620 mE

7060270 mN

Described By: Smith, CD (Doug)

Date: 31-May-2001

Landscape:

Geology: No record

Landform Pattern: terrace

Runoff: No record

Microrelief: No record

Drainage: No record

Surface Coarse Fragments: No record

Surface Condition: No record

Substrate Lithology: Alluvium

Element: prior stream

Permeability: No record

Microrelief Component: No record

Slope: No record

Classifications:

ASC: Sulfuric, Redoxic, HYDROSOL

GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| Ap | 0.00 to 0.30 | Very dark grey (10YR31) moist; light medium clay; moderate 5-10mm angular blocky structure; dry when sampled; clear to; |
| 2B2 | 0.30 to 0.50 | Black (10YR21) moist; light clay; very few <2% subrounded charcoal small pebbles 2-6mm; weak <2mm angular blocky structure; moderately moist when sampled; clear to; |
| 3B21 | 0.50 to 0.90 | Dark grey (10YR41) moist; very few <2% medium 5-15mm prominent brown, very few <2% medium 5-15mm prominent dark, very few <2% coarse 15-30mm prominent pale mottles; medium clay; weak 5-10mm angular blocky structure; moderately moist when sampled; diffuse to; |
| 3B22 | 0.90 to 1.20 | Yellowish brown (10YR54) moist; very few <2% medium 5-15mm prominent pale, common 10-20% medium 5-15mm prominent dark mottles; light clay; weak 5-10mm angular blocky structure; wet when sampled; gradual to; |
| 4C1u | 1.20 to 2.00 | Black (10YR20) moist; clayey peat; massive structure; wet when sampled; diffuse to; |
| 4C2u | 2.00 to 4.60 | Black (10YR20) moist; hemic peat; massive structure; wet when sampled; clear to; |
| 5C3u | 4.60 to 5.40 | Black (10YR20) moist; sapric silty light clay; massive structure; wet when sampled; |
| 6D1 | 5.40 to 6.00 | Dark greenish grey (10GY41) moist; fine sandy light medium clay; massive structure; moist when sampled; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.4 | 2.0 | |
| 0.30 | | | | | 4.8 | 2.7 | |
| 0.40 | | | | | 5.0 | 2.6 | |
| 0.60 | | | | | 5.1 | 3.2 | |
| 0.80 | | | | | 5.1 | 3.2 | |
| 1.00 | | | | | 5.1 | 3.0 | |
| 1.25 | | | | | 5.6 | 1.1 | |
| 1.50 | | | | | 5.6 | 0.8 | |
| 2.00 | | | | | 5.4 | 1.2 | |
| 2.50 | | | | | 5.8 | 0.7 | |
| 3.00 | | | | | 5.7 | 0.4 | |
| 3.50 | | | | | 6.0 | 0.6 | |
| 4.00 | | | | | 5.9 | 0.6 | |
| 4.75 | | | | | 5.9 | 0.7 | |
| 5.00 | | | | | 5.1 | 0.5 | |
| 5.50 | | | | | 5.8 | 3.0 | |
| 6.00 | | | | | 6.0 | 3.4 | |

Notes:

Location Approx 80 metres south of river bank, near start of drain pipe

Site Site is in depression south of river levee

Project: SEA

Site: 2441

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

500101 mE
499995 mE

7060466 mN
7060278 mN

Described By: Smith, CD (Doug)

Date: 31-May-2001

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: No record
Element: No record
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: Sulfuric, Redoxic, HYDROSOL
GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| A1 | 0.00 to 0.60 | Black (10YR21) moist; very few <2% fine <5mm faint brown mottles; light medium clay; moderate 5-10mm lenticular structure; dry when sampled; clear to; |
| B21 | 0.60 to 1.30 | Dark grey (10YR41) moist; few 2-10% medium 5-15mm prominent brown mottles; medium clay; moderate 2-5mm angular blocky structure; moderately moist when sampled; abrupt to; |
| B22 | 1.30 to 2.00 | Greenish grey (10GY61) moist; few 2-10% coarse 15-30mm prominent orange, very few <2% fine <5mm prominent red mottles; medium heavy clay; massive structure; moderately moist when sampled; diffuse to; |
| B23 | 2.00 to 3.60 | Greenish grey (5GY51) moist; few 2-10% coarse 15-30mm prominent brown mottles; heavy clay; massive structure; very few <2% medium 2-6mm manganiferous soft segregations; moderately moist when sampled; diffuse to; |
| B24 | 3.60 to 4.80 | Light brownish grey (2.5Y62) moist; many 20-50% coarse 15-30mm prominent brown mottles; heavy clay; massive structure; very few <2% medium 2-6mm manganiferous soft segregations; moderately moist when sampled; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.7 | 4.5 | |
| 0.30 | | | | | 4.9 | 3.4 | |
| 0.60 | | | | | 5.3 | 3.4 | |
| 0.80 | | | | | 4.7 | 3.1 | |
| 1.00 | | | | | 4.6 | 2.8 | |
| 1.25 | | | | | 5.0 | 2.4 | |
| 1.50 | | | | | 4.6 | 2.6 | |
| 1.75 | | | | | 4.6 | 2.8 | |
| 2.00 | | | | | 4.7 | 2.9 | |
| 2.25 | | | | | 5.5 | 3.7 | |
| 2.50 | | | | | 5.5 | 3.9 | |
| 3.00 | | | | | 6.2 | 5.9 | |
| 3.50 | | | | | 6.3 | 6.4 | |
| 4.00 | | | | | 6.9 | 7.1 | |
| 4.50 | | | | | 6.9 | 8.0 | |

Notes:

Project: SEA

Site: 2442

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

500531 mE
500425 mE

7060698 mN
7060510 mN

Described By: Manders, JA

Date: 05-Jun-2001

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: No record
Element: prior stream
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: Sulfuric, Redoxic, HYDROSOL
GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| A1 | 0.00 to 0.25 | Black (10YR21) moist; light clay; strong 2-5mm angular blocky structure; moderately moist when sampled; clear to; |
| B2 | 0.25 to 0.60 | Dark yellowish brown (10YR44) moist; clay loam, fine sandy; massive structure; moderately moist when sampled; abrupt to; |
| 2B2 | 0.60 to 1.20 | Dark grey (10YR41) moist; few 2-10% medium 5-15mm prominent orange, very few <2% fine <5mm prominent dark mottles; medium heavy clay; weak 2-5mm angular blocky structure; moderately moist when sampled; abrupt to; |
| 3B2 | 1.20 to 2.10 | Light yellowish brown (10YR64) moist; many 20-50% very coarse >30mm prominent orange mottles; sand; single grain structure; wet when sampled; clear to; |
| 4C1u | 2.10 to 2.50 | Dark greenish grey (10Y31) moist; sandy light clay; massive structure; wet when sampled; diffuse to; |
| 4C2u | 2.50 to 6.00 | Dark greenish grey (10Y31) moist; silty light clay; very few <2% angular shell medium pebbles 6-20mm; massive structure; wet when sampled; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 5.0 | 2.8 | |
| 0.30 | | | | | 5.6 | 3.3 | |
| 0.60 | | | | | 5.3 | 3.1 | |
| 0.80 | | | | | 5.3 | 3.3 | |
| 1.00 | | | | | 4.9 | 3.1 | |
| 1.25 | | | | | 5.2 | 3.7 | |
| 1.50 | | | | | 5.3 | 4.1 | |
| 1.75 | | | | | 5.5 | 4.5 | |
| 2.00 | | | | | 6.1 | 4.4 | |
| 2.25 | | | | | 6.9 | 1.0 | |
| 2.50 | | | | | 7.2 | 1.0 | |
| 2.75 | | | | | 7.8 | 0.9 | |
| 3.00 | | | | | 8.0 | 1.0 | |
| 3.25 | | | | | 7.8 | 1.0 | |
| 3.50 | | | | | 8.0 | 1.0 | |
| 3.75 | | | | | 8.1 | 1.0 | |
| 4.00 | | | | | 8.2 | 1.3 | |
| 4.50 | | | | | 8.3 | 1.3 | |
| 5.00 | | | | | 8.4 | 1.3 | |

Notes:

Project: SEA

Site: 2447

Location: GDA 94 ZONE 56 509593 mE 7047025 mN
Location: AGD 84 ZONE 56 509487 mE 7046837 mN

Described By: Smith, CD (Doug)

Date: 17-Jan-2001

Landscape:

Landform Pattern: alluvial plain **Element:** channel bench
Runoff: No record **Permeability:** No record

Classifications:

ASC: Redoxic, HYDROSOL

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|---------------|---|
| A1 | 0.00 to 0.20 | Very dark brown (10YR22) moist; light medium clay; very few <2% angular charcoal small pebbles 2-6mm; strong 5-10mm angular blocky structure; dry when sampled; clear to; |
| B21 | 0.20 to 0.90 | Grey (5Y61) moist; many 20-50% very coarse >30mm prominent orange mottles; medium clay; moderate 2-5mm subangular blocky structure; dry when sampled; diffuse to; |
| B22 | 0.90 to 1.20 | White (2.5Y81) moist; many 20-50% coarse 15-30mm prominent orange mottles; sandy light clay; massive structure; dry when sampled; diffuse to; |
| B23 | 1.20 to 1.70 | White (10YR81) moist; many 20-50% coarse 15-30mm prominent orange mottles; sandy clay loam; massive structure; dry when sampled; diffuse to; |
| 2B21 | 1.70 to 2.80 | White (10YR81) moist; not known, historical data mottles; fine sand; single grain structure; dry when sampled; diffuse to; |
| 2B22 | 2.80 to 3.10 | Olive grey (5Y52) moist; sand; single grain structure; wet when sampled; gradual to; |
| 3C1u | 3.10 to 3.30 | Dark grey (5Y41) moist; sand; single grain structure; wet when sampled; gradual to; |
| 3C2u | 3.30 to 5.00 | Black (5Y2.51) moist; sand; single grain structure; wet when sampled; gradual to; |
| 3C4u | 5.00 to 7.00 | Greyish brown (2.5Y52) moist; very few <2% coarse 15-30mm prominent dark mottles; sand; single grain structure; wet when sampled; gradual to; |
| 4C5u | 7.00 to 7.60 | Dark grey (10YR41) moist; sandy medium clay; massive structure; wet when sampled; |
| 5C6 | 7.60 to 8.20 | Greyish brown (2.5Y52) moist; loamy sand; single grain structure; wet when sampled; |
| 5C7 | 8.20 to 9.40 | Grey (2.5Y51) moist; clayey sand; single grain structure; wet when sampled; |
| 5C8 | 9.40 to 10.90 | Dark grey (5Y41) moist; clayey sand; single grain structure; wet when sampled; |
| 6D1 | 10.9 to 11.0 | Greenish grey (10G61) moist; sandy medium heavy clay; massive structure; moist when sampled; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 5.8 | 3.0 | |
| 0.30 | | | | | 5.0 | 3.4 | |
| 0.60 | | | | | 4.8 | 3.2 | |
| 0.80 | | | | | 4.3 | 3.2 | |
| 1.00 | | | | | 4.4 | 3.2 | |
| 1.25 | | | | | 4.4 | 3.1 | |
| 1.50 | | | | | 4.4 | 2.7 | |
| 2.00 | | | | | 4.3 | 2.4 | |
| 2.50 | | | | | 4.2 | 2.2 | |
| 3.00 | | | | | 4.2 | 2.0 | |
| 3.25 | | | | | 4.1 | 1.2 | |
| 3.50 | | | | | 4.3 | 0.6 | |
| 4.00 | | | | | 4.1 | 0.6 | |
| 4.50 | | | | | 3.7 | 0.6 | |
| 5.00 | | | | | 3.8 | 1.0 | |
| 5.50 | | | | | 4.1 | 1.0 | |
| 6.00 | | | | | 3.8 | 0.5 | |
| 6.50 | | | | | 4.7 | 1.5 | |
| 7.00 | | | | | 5.1 | 1.6 | |
| 7.25 | | | | | 5.4 | 3.3 | |
| 7.50 | | | | | 5.8 | 2.3 | |
| 8.00 | | | | | 5.0 | 1.8 | |
| 8.50 | | | | | 5.0 | 1.8 | |
| 9.00 | | | | | 4.2 | 1.7 | |
| 9.50 | | | | | 4.3 | 1.7 | |
| 10.00 | | | | | 4.5 | 1.0 | |
| 10.50 | | | | | 4.8 | 1.0 | |
| 11.00 | | | | | 6.2 | 2.0 | |

Project: SEA

Site:2450

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

500112 mE
500006 mE

7059698 mN
7059510 mN

Described By: Manders, JA

Date: 18-Jul-2001

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: No record
Element: plain
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: Sulfuric, Redoxic, HYDROSOL
GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| A1 | 0.00 to 0.30 | Greyish brown (10YR52) moist; light medium clay; strong 5-10mm subangular blocky structure; dry when sampled; gradual to; |
| 2B21 | 0.30 to 1.00 | Dark grey (10YR41) moist; very few <2% fine <5mm prominent orange, few 2-10% coarse 15-30mm prominent brown, very few <2% coarse 15-30mm prominent dark mottles; medium clay; massive structure; moist when sampled; gradual to; |
| 2B22 | 1.00 to 1.50 | Dark grey (10YR41) moist; few 2-10% coarse 15-30mm prominent brown, very few <2% fine <5mm prominent orange, very few <2% coarse 15-30mm prominent dark mottles; medium clay; massive structure; moist when sampled; clear to; |
| 3C1 | 1.50 to 1.80 | Grey (10YR61) moist; medium clay; massive structure; wet when sampled; clear to; |
| 3C2 | 1.80 to 2.40 | Dark greyish brown (10YR42) moist; fibric silty light clay; massive structure; wet when sampled; diffuse to; |
| 4C3 | 2.40 to 3.00 | Black (10YR20) moist; fibric light clay; massive structure; wet when sampled; diffuse to; |
| 5C4 | 3.00 to 3.50 | Black (10YR20) moist; coarse sand; single grain structure; wet when sampled; clear to; |
| 6C5 | 3.50 to 4.00 | Dark greyish brown (2.5Y42) moist; coarse sand; very few <2% angular gravel large pebbles 20-60mm; single grain structure; wet when sampled; abrupt to; |
| 7D1 | 4.00 to 4.50 | Light greenish grey (10Y71) moist; few 2-10% coarse 15-30mm prominent red, few 2-10% coarse 15-30mm prominent orange mottles; heavy clay; massive structure; moist when sampled; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 5.2 | 3.5 | |
| 0.30 | | | | | 5.5 | 3.3 | |
| 0.60 | | | | | 5.2 | 3.0 | |
| 0.80 | | | | | 4.8 | 3.1 | |
| 1.00 | | | | | 4.5 | 3.5 | |
| 1.25 | | | | | 5.1 | 3.1 | |
| 1.50 | | | | | 5.1 | 2.5 | |
| 1.75 | | | | | 5.2 | 2.3 | |
| 2.00 | | | | | 5.1 | 1.7 | |
| 2.25 | | | | | 5.4 | 1.5 | |
| 2.50 | | | | | 5.3 | 1.1 | |
| 2.75 | | | | | 5.8 | 1.3 | |
| 3.00 | | | | | 5.9 | 1.1 | |
| 3.50 | | | | | 6.0 | 1.1 | |
| 4.00 | | | | | 5.9 | 2.6 | |
| 4.50 | | | | | 6.1 | 3.6 | |

Notes:

Project: SEA

Site: 2452

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

506079 mE
505973 mE

7058073 mN
7057885 mN

Described By: Adams, J (Justin)

Date: 14-Sep-2001

Landscape:

Geology: No record
Landform Pattern: No record
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: No record
Element: No record
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: Sulfidic, Redoxic, HYDROSOL
GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| A1 | 0.00 to 0.30 | Black (10YR21) moist; clay loam, fine sandy; |
| B21 | 0.30 to 0.50 | Dark grey (10YR41) moist; common 10-20% medium 5-15mm distinct orange mottles; light medium clay; |
| B22 | 0.50 to 0.60 | Grey (N50) moist; few 2-10% medium 5-15mm distinct orange mottles; sandy light clay; |
| B23 | 0.60 to 0.90 | Grey (N60) moist; few 2-10% fine <5mm distinct orange mottles; sandy clay loam; |
| 2C1 | 0.90 to 1.30 | Grey (2.5Y51) moist; sandy clay loam; |
| 2C2 | 1.30 to 2.00 | Grey (2.5Y51) moist; light sandy clay loam; |
| 2C3 | 2.00 to 2.50 | Grey (2.5Y51) moist; sandy loam; |
| 3C4 | 2.50 to 3.00 | Black (10YR21) moist; sandy clay loam; |
| 4C5 | 3.00 to 3.30 | Grey (2.5Y51) moist; sand; |
| 5B21hs | 3.30 to 3.50 | Black (10YR21) moist; sand; moderately cemented continuous massive organic pan; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.2 | 2.1 | |
| 0.30 | | | | | 4.0 | 2.5 | |
| 0.60 | | | | | 5.3 | 3.5 | |
| 0.80 | | | | | 6.0 | 3.5 | |
| 1.00 | | | | | 6.2 | 1.7 | |
| 1.25 | | | | | 6.2 | 1.2 | |
| 1.50 | | | | | 6.2 | 1.5 | |
| 1.75 | | | | | 6.3 | 1.2 | |
| 2.00 | | | | | 6.5 | 1.5 | |
| 2.25 | | | | | 6.4 | 1.2 | |
| 2.50 | | | | | 5.5 | 0.8 | |
| 2.75 | | | | | 5.5 | 0.9 | |
| 3.00 | | | | | 5.2 | 1.0 | |
| 3.25 | | | | | 5.3 | 0.6 | |
| 3.45 | | | | | 5.7 | 1.3 | |

Notes:

Site Maroochy floodgate study DPI Site 2

Project: SEA

Site: 2458

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56 497386 mE
ZONE 56 497280 mE

7062912 mN
7062724 mN

Described By: Manders, JA

Date: 08-Oct-2001

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: Alluvium
Element: levee
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: Brown, DERMOSOL

GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| Ap | 0.00 to 0.40 | Brown (10YR43) moist; clay loam, sandy; strong 5-10mm angular blocky structure; dry when sampled; diffuse to; |
| B21 | 0.40 to 1.20 | Yellowish brown (10YR56) moist; very few <2% fine <5mm faint brown mottles; sandy loam; weak 5-10mm angular blocky structure; dry when sampled; diffuse to; |
| B22 | 1.20 to 3.00 | Yellowish brown (10YR56) moist; sand; single grain structure; dry when sampled; diffuse to; |
| B23 | 3.00 to 3.40 | Very pale brown (10YR74) moist; sand; single grain structure; dry when sampled; clear to; |
| 2B2 | 3.40 to 3.80 | Strong brown (7.5YR58) moist; sand; strong structure; moist when sampled; abrupt to; |
| 3C1 | 3.80 to 3.95 | Very dark grey (5Y31) moist; sandy light clay; massive structure; wet when sampled; abrupt to; |
| 4C2 | 3.95 to 4.20 | Dark grey (5Y41) moist; sand; single grain structure; wet when sampled; clear to; |
| 5C3 | 4.20 to 4.50 | White (5Y81) moist; few 2-10% very coarse >30mm prominent orange mottles; sand; single grain structure; wet when sampled; clear to; |
| 6C4 | 4.50 to 5.80 | Dark grey (5Y41) moist; loamy sand; single grain structure; wet when sampled; abrupt to; |
| 7C5 | 5.80 to 8.50 | Dark grey (5Y41) moist; coarse sand; very few <2% angular gravel large pebbles 20-60mm; single grain structure; wet when sampled; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.6 | 2.7 | |
| 0.30 | | | | | 4.9 | 3.5 | |
| 0.60 | | | | | 5.3 | 4.3 | |
| 1.00 | | | | | 5.3 | 4.5 | |
| 1.50 | | | | | 5.4 | 4.1 | |
| 2.00 | | | | | 5.3 | 3.9 | |
| 2.50 | | | | | 5.4 | 4.1 | |
| 3.20 | | | | | 5.3 | 4.2 | |
| 3.50 | | | | | 5.5 | 3.8 | |
| 3.90 | | | | | 5.0 | 1.1 | |
| 4.10 | | | | | 5.1 | 1.5 | |
| 4.30 | | | | | 5.0 | 2.0 | |
| 4.70 | | | | | 5.4 | 0.9 | |
| 5.50 | | | | | 5.6 | 1.0 | |
| 6.00 | | | | | 5.9 | 1.4 | |
| 6.50 | | | | | 5.8 | 1.2 | |
| 7.50 | | | | | 6.2 | 1.3 | |

Notes:

Project: SEA

Site: 2459

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56 497412 mE
ZONE 56 497306 mE

7062576 mN
7062388 mN

Described By: Manders, JA

Date: 08-Oct-2001

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: No record
Element: levee
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: Mellic, Brown, KANDOSOL

GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| Ap | 0.00 to 0.25 | Dark greyish brown (10YR42) moist; sandy clay loam; weak 2-5mm subangular blocky structure; dry when sampled; clear to; |
| B21 | 0.25 to 1.50 | Yellowish brown (10YR56) moist; very few <2% medium 5-15mm faint red mottles; sandy clay loam; weak structure; dry when sampled; diffuse to; |
| B22 | 1.50 to 2.10 | Very pale brown (10YR74) moist; few 2-10% coarse 15-30mm prominent brown mottles; clay loam, sandy; massive structure; dry when sampled; clear to; |
| 2B2 | 2.10 to 3.30 | Light greenish grey (10Y71) moist; common 10-20% coarse 15-30mm prominent brown mottles; sandy medium clay; massive structure; many 20-50% medium 2-6mm manganiferous soft segregations; moderately moist when sampled; diffuse to; |
| 3B2 | 3.30 to 4.10 | Light grey (5Y72) moist; few 2-10% very coarse >30mm prominent brown mottles; sand; single grain structure; moist when sampled; clear to; |
| 4C1 | 4.10 to 4.80 | Very dark grey (5Y31) moist; light clay; massive structure; moist when sampled; clear to; |
| 5C2 | 4.80 to 7.00 | Dark greenish grey (10Y41) moist; sand; single grain structure; wet when sampled; diffuse to; |
| 6C3 | 7.00 to 8.50 | Dark grey (2.5Y41) moist; sand; single grain structure; wet when sampled; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.20 | | | | | 4.2 | 2.8 | |
| 0.60 | | | | | 4.8 | 3.4 | |
| 1.00 | | | | | 5.0 | 3.6 | |
| 1.25 | | | | | 5.0 | 3.3 | |
| 1.50 | | | | | 5.1 | 3.7 | |
| 1.75 | | | | | 5.1 | 4.0 | |
| 2.00 | | | | | 5.2 | 6.0 | |
| 2.50 | | | | | 6.0 | 6.6 | |
| 3.00 | | | | | 5.8 | 4.3 | |
| 3.50 | | | | | 5.6 | 4.2 | |
| 4.00 | | | | | 4.8 | 3.2 | |
| 4.50 | | | | | 5.9 | 1.4 | |
| 5.00 | | | | | 5.5 | 1.2 | |
| 5.50 | | | | | 6.0 | 1.1 | |
| 6.00 | | | | | 6.1 | 1.2 | |
| 6.50 | | | | | 5.5 | 1.6 | |
| 7.00 | | | | | 5.8 | 1.5 | |
| 7.50 | | | | | 5.8 | 1.6 | |

Notes:

Project: SEA

Site: 2460

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56 497096 mE
ZONE 56 496990 mE

7062723 mN
7062535 mN

Described By: Manders, JA

Date: 15-Oct-2001

Landscape:

Geology: No record
Landform Pattern: terrace
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: No record
Element: levee
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: Grey, DERMOSOL
GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|---------------|--|
| Ap | 0.00 to 0.25 | Greyish brown (10YR52) moist; medium clay; strong 5-10mm angular blocky structure; dry when sampled; clear to; |
| B21 | 0.25 to 0.80 | Light grey (2.5Y72) moist; many 20-50% very coarse >30mm prominent brown mottles; medium clay; strong 5-10mm angular blocky structure; common 10-20% coarse 6-20mm ferruginous concretions; moderately moist when sampled; diffuse to; |
| B22 | 0.80 to 2.50 | Light grey (2.5Y72) moist; few 2-10% medium 5-15mm prominent brown mottles; medium heavy clay; massive structure; moderately moist when sampled; diffuse to; |
| B23 | 2.50 to 4.50 | Light olive grey (5Y62) moist; few 2-10% very coarse >30mm prominent brown, very few <2% medium 5-15mm prominent red mottles; medium heavy clay; massive structure; moderately moist when sampled; gradual to; |
| 2B2 | 4.50 to 4.90 | Strong brown (7.5YR58) moist; sandy clay loam; massive structure; dry when sampled; gradual to; |
| 3B21 | 4.90 to 5.45 | Greenish grey (10GY61) moist; very few <2% very coarse >30mm distinct pale mottles; clay loam, sandy; massive structure; moderately moist when sampled; clear to; |
| 3B22 | 5.45 to 6.80 | Light grey (5Y72) moist; very few <2% very coarse >30mm prominent orange mottles; clayey sand; single grain structure; wet when sampled; diffuse to; |
| 3B23 | 6.80 to 8.00 | Light grey (5Y71) moist; clayey sand; single grain structure; wet when sampled; clear to; |
| 3B24 | 8.00 to 9.40 | Light grey (5Y72) moist; few 2-10% very coarse >30mm prominent orange mottles; light sandy clay loam; massive structure; wet when sampled; clear to; |
| 3B25 | 9.40 to 10.00 | Greenish grey (10GY61) moist; clay loam, sandy; single grain structure; wet when sampled; clear to; |
| 3B26 | 10.0 to 10.3 | Greenish grey (10GY61) moist; coarse sandy clay loam; massive structure; wet when sampled; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.2 | 3.0 | |
| 0.60 | | | | | 4.3 | 3.8 | |
| 1.00 | | | | | 4.6 | 2.9 | |
| 1.50 | | | | | 4.6 | 3.0 | |
| 2.00 | | | | | 4.7 | 3.4 | |
| 3.00 | | | | | 4.7 | 3.4 | |
| 3.50 | | | | | 4.5 | 3.4 | |
| 4.50 | | | | | 4.9 | 3.7 | |
| 4.70 | | | | | 5.2 | 4.1 | |
| 5.25 | | | | | 5.2 | 5.9 | |
| 6.50 | | | | | 5.3 | 5.6 | |
| 7.00 | | | | | 5.4 | 5.3 | |
| 7.50 | | | | | 5.6 | 5.0 | |
| 8.50 | | | | | 6.0 | 5.2 | |
| 9.50 | | | | | 6.0 | 5.6 | |
| 10.20 | | | | | 5.9 | 5.6 | |

Notes:

Project: SEA

Site: 2461

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56 496841 mE
ZONE 56 496735 mE

7063038 mN
7062850 mN

Described By: Manders, JA

Date: 15-Oct-2001

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: No record
Element: levee
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: Sulfidic, Redoxic, HYDROSOL
GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| Ap | 0.00 to 0.30 | Very dark greyish brown (10YR32) moist; medium clay; strong 5-10mm angular blocky structure; dry when sampled; clear to; |
| B2 | 0.30 to 1.10 | Dark greyish brown (10YR42) moist; very few <2% coarse 15-30mm prominent brown, very few <2% medium 5-15mm faint orange mottles; medium heavy clay; moderate 5-10mm subangular blocky structure; very few <2% medium 2-6mm ferruginous root linings, very few <2% medium 2-6mm manganiferous soft segregations; moderately moist when sampled; diffuse to; |
| 2B3 | 1.10 to 1.30 | Greyish brown (2.5Y52) moist; very few <2% fine <5mm faint brown mottles; silty light clay; strong 2-5mm platy structure; wet when sampled; clear to; |
| 2C1u | 1.30 to 3.00 | Very dark grey (5Y31) moist; silty light clay; massive structure; wet when sampled; abrupt to; |
| 2C2u | 3.00 to 3.60 | Greenish grey (10Y51) moist; silty light clay; massive structure; wet when sampled; gradual to; |
| 3C3u | 3.60 to 4.20 | Greenish grey (5GY51) moist; sandy light clay; massive structure; wet when sampled; gradual to; |
| 4C4u | 4.20 to 4.50 | Greenish grey (5GY51) moist; sand; very few <2% angular gravel medium pebbles 6-20mm; single grain structure; wet when sampled; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.8 | 3.6 | |
| 0.60 | | | | | 5.3 | 4.0 | |
| 0.80 | | | | | 5.0 | 3.1 | |
| 1.00 | | | | | 5.2 | 3.4 | |
| 1.25 | | | | | 4.9 | 3.2 | |
| 1.50 | | | | | 5.8 | 1.5 | |
| 1.75 | | | | | 5.8 | 1.3 | |
| 2.00 | | | | | 5.9 | 1.6 | |
| 2.25 | | | | | 5.9 | 1.9 | |
| 2.50 | | | | | 5.9 | 1.5 | |
| 2.75 | | | | | 5.8 | 1.4 | |
| 3.00 | | | | | 5.7 | 1.4 | |
| 3.25 | | | | | 5.7 | 2.4 | |
| 3.50 | | | | | 6.2 | 2.5 | |
| 3.75 | | | | | 6.1 | 2.5 | |
| 4.00 | | | | | 5.8 | 2.7 | |
| 4.25 | | | | | 5.8 | 2.3 | |
| 4.50 | | | | | 6.1 | 2.1 | |

Notes:

Project: SEA

Site: 2462

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

496271 mE
496165 mE

7062231 mN
7062043 mN

Described By: Manders, JA

Date: 02-Nov-2001

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: firm

Substrate Lithology: Alluvium
Element: No record
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: Black, DERMOSOL
GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| AB | 0.00 to 0.80 | Very dark brown (10YR22) moist; sandy light clay; very few <2% subangular gravel medium pebbles 6-20mm; moderate 2-5mm subangular blocky structure; dry when sampled; clear to; |
| 2C1 | 0.80 to 1.10 | Dark brown (10YR33) moist; light grey (10YR72) dry; sand; single grain structure; dry when sampled; clear to; |
| 2C2 | 1.10 to 1.50 | Dark brown (10YR33) moist; sandy clay loam; massive structure; moist when sampled; gradual to; |
| 3C3 | 1.50 to 2.00 | Dark brown (10YR33) moist; coarse sand; common 10-20% subangular gravel medium pebbles 6-20mm, very few <2% subangular gravel large pebbles 20-60mm, common 10-20% subangular gravel small pebbles 2-6mm; single grain structure; moist when sampled; |
| 4C4u | 2.00 to 2.20 | Very dark greyish brown (10YR32) moist; clayey sand; few 2-10% subangular gravel medium pebbles 6-20mm; single grain structure; wet when sampled; |
| 4C5u | 2.20 to 2.40 | Very dark greyish brown (10YR32) moist; coarse sand; very few <2% subrounded gravel cobbles 60-200mm, many 20-50% subangular gravel large pebbles 20-60mm; single grain structure; wet when sampled; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.50 | | | | | 5.3 | 3.5 | |
| 1.00 | | | | | 5.9 | 4.0 | |
| 1.25 | | | | | 6.7 | 4.6 | |
| 1.80 | | | | | 6.7 | 2.2 | |
| 2.10 | | | | | 6.3 | 1.7 | |
| 2.40 | | | | | 6.6 | 2.1 | |

Notes:

Project: SEA

Site: 2463

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56 497262 mE
ZONE 56 497156 mE

7061627 mN
7061439 mN

Described By: Manders, JA

Date: 02-Nov-2001

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: firm

Substrate Lithology: Alluvium
Element: plain
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: Grey, DERMOSOL
GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| A1 | 0.00 to 0.20 | Very dark greyish brown (10YR32) moist; medium clay; moderate 5-10mm subangular blocky structure; moderately moist when sampled; clear to; |
| B2 | 0.20 to 0.80 | Dark greyish brown (10YR42) moist; medium heavy clay; moderate 10-20mm subangular blocky structure; moderately moist when sampled; diffuse to; |
| 2B2 | 0.80 to 2.70 | Dark yellowish brown (10YR44) moist; sandy light clay; moderate 5-10mm angular blocky structure; few 2-10% medium 2-6mm manganiferous concretions, common 10-20% coarse 6-20mm manganiferous concretions; moist when sampled; |
| 3B2 | 2.70 to 3.70 | Dark greyish brown (2.5Y43) moist; few 2-10% medium 5-15mm prominent orange, very few <2% coarse 15-30mm prominent brown mottles; medium clay; massive structure; few 2-10% medium 2-6mm manganiferous concretions; moist when sampled; abrupt to; |
| 4C1u | 3.70 to 4.10 | Dark greenish grey (10Y31) moist; clayey sand; few 2-10% subangular gravel medium pebbles 6-20mm, very few <2% subangular gravel large pebbles 20-60mm; single grain structure; wet when sampled; |
| 4C2 | 4.10 to 4.30 | Dark greenish grey (10Y31) moist; sand; few 2-10% subangular gravel medium pebbles 6-20mm, common 10-20% subangular gravel large pebbles 20-60mm; single grain structure; wet when sampled; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 5.2 | 4.2 | |
| 0.30 | | | | | 6.2 | 4.1 | |
| 0.60 | | | | | 6.6 | 4.5 | |
| 1.00 | | | | | 6.8 | 7.2 | |
| 1.50 | | | | | 7.3 | 8.0 | |
| 2.00 | | | | | 7.3 | 8.6 | |
| 2.50 | | | | | 7.4 | 8.6 | |
| 3.00 | | | | | 7.3 | 7.6 | |
| 3.50 | | | | | 7.2 | 6.3 | |
| 4.00 | | | | | 7.8 | 3.0 | |
| 4.25 | | | | | 7.4 | 5.9 | |

Notes:

Project: SEA

Site: 2464

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56 497123 mE
ZONE 56 497017 mE

7061853 mN
7061665 mN

Described By: Manders, JA

Date: 02-Nov-2001

Landscape:

Geology: No record
Landform Pattern: No record
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: firm

Substrate Lithology: Alluvium
Element: No record
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: Black, DERMOSOL
GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| A1 | 0.00 to 0.20 | Very dark greyish brown (10YR32) moist; light medium clay; strong 2-5mm granular structure; dry when sampled; gradual to; |
| B1 | 0.20 to 1.10 | Very dark grey (10YR31) moist; very few <2% medium 5-15mm prominent orange mottles; medium heavy clay; weak 5-10mm subangular blocky structure; very few <2% medium 2-6mm manganiferous concretions; moderately moist when sampled; diffuse to; |
| B2 | 1.10 to 1.80 | Dark grey (10YR41) moist; common 10-20% medium 5-15mm prominent orange mottles; medium clay; massive structure; few 2-10% medium 2-6mm manganiferous concretions; moderately moist when sampled; clear to; |
| 2B2 | 1.80 to 2.00 | Yellowish brown (10YR56) moist; clayey coarse sand; very few <2% subrounded gravel large pebbles 20-60mm, common 10-20% subangular gravel medium pebbles 6-20mm; single grain structure; wet when sampled; clear to; |
| 3C1 | 2.00 to 3.60 | Greenish black (10Y2.51) moist; clayey coarse sand; very few <2% subrounded gravel cobbles 60-200mm, few 2-10% subangular gravel large pebbles 20-60mm, common 10-20% subangular gravel medium pebbles 6-20mm; single grain structure; wet when sampled; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 5.1 | 2.7 | |
| 0.60 | | | | | 6.1 | 3.5 | |
| 1.00 | | | | | 6.3 | 3.6 | |
| 1.50 | | | | | 6.7 | 5.0 | |
| 1.90 | | | | | 6.3 | 3.3 | |
| 2.00 | | | | | 6.2 | 1.7 | |
| 2.50 | | | | | 6.2 | 1.4 | |
| 3.00 | | | | | 6.7 | 1.6 | |

Notes:

Project: SEA

Site: 2465

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56 499406 mE
ZONE 56 499300 mE

7060888 mN
7060700 mN

Described By: Manders, JA

Date: 05-Nov-2001

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: No record
Element: terrace flat
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: Grey, DERMOSOL
GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| A1 | 0.00 to 0.30 | Very dark grey (10YR31) moist; clayey sand; weak 2-5mm subangular blocky structure; dry when sampled; clear to; |
| A2 | 0.30 to 0.50 | Brown (10YR43) moist; loamy sand; weak 2-5mm subangular blocky structure; dry when sampled; clear to; |
| B2 | 0.50 to 0.80 | Grey (10YR51) moist; common 10-20% medium 5-15mm faint orange mottles; sandy clay loam; moderate 5-10mm subangular blocky structure; dry when sampled; clear to; |
| 2B21 | 0.80 to 1.60 | Grey (5Y61) moist; common 10-20% medium 5-15mm prominent orange mottles; sandy heavy clay; massive structure; moderately moist when sampled; diffuse to; |
| 2B22 | 1.60 to 2.70 | Dark grey (5Y41) moist; common 10-20% very coarse >30mm prominent orange mottles; sandy heavy clay; massive structure; few 2-10% medium 2-6mm manganiferous concretions; moderately moist when sampled; diffuse to; |
| 2B23 | 2.70 to 4.50 | Very dark grey (10YR31) moist; many 20-50% medium 5-15mm prominent orange mottles; heavy clay; massive structure; dry when sampled; clear to; |
| 2B24 | 4.50 to 6.50 | Dark greenish grey (10Y31) moist; common 10-20% very coarse >30mm distinct orange mottles; sandy heavy clay; massive structure; moderately moist when sampled; clear to; |
| 3B2 | 6.50 to 7.00 | Very dark grey (5Y31) moist; few 2-10% coarse 15-30mm distinct brown mottles; coarse sandy loam; massive structure; moist when sampled; gradual to; |
| 3C1 | 7.00 to 8.40 | Dark olive grey (5Y32) moist; sandy loam; massive structure; wet when sampled; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.20 | | | | | 4.2 | 3.3 | |
| 0.40 | | | | | 4.8 | 4.3 | |
| 0.60 | | | | | 5.3 | 3.6 | |
| 1.00 | | | | | 5.2 | 3.0 | |
| 1.50 | | | | | 5.0 | 3.3 | |
| 2.50 | | | | | 5.2 | 6.0 | |
| 3.00 | | | | | 7.0 | 7.8 | |
| 3.50 | | | | | 6.7 | 7.6 | |
| 4.00 | | | | | 7.2 | 7.6 | |
| 5.00 | | | | | 7.3 | 7.0 | |
| 7.00 | | | | | 7.7 | 7.7 | |
| 8.00 | | | | | 7.0 | 7.9 | |

Notes:

Project: SEA

Site: 2466

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

500006 mE
499900 mE

7061303 mN
7061115 mN

Described By: Manders, JA

Date: 05-Nov-2001

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: No record
Element: plain
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: Sulfidic, Redoxic, HYDROSOL
GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| Api | 0.00 to 0.50 | Dark greyish brown (10YR42) moist; many 20-50% medium 5-15mm prominent orange mottles; sandy light clay; strong 2-5mm angular blocky structure; moderately moist when sampled; sharp to; |
| B2 | 0.50 to 1.15 | Dark greenish grey (5GY41) moist; very few <2% medium 5-15mm prominent orange mottles; silty light medium clay; massive structure; wet when sampled; |
| 2B3 | 1.15 to 1.65 | Dark greenish grey (10Y41) moist; very few <2% fine <5mm faint orange mottles; clayey coarse sand; single grain structure; wet when sampled; abrupt to; |
| 3C1u | 1.65 to 3.80 | Dark grey (2.5Y41) moist; silty light medium clay; massive structure; wet when sampled; clear to; |
| 4C3u | 3.80 to 4.00 | Greenish grey (5GY51) moist; coarse sand; very few <2% angular quartz medium pebbles 6-20mm; single grain structure; wet when sampled; clear to; |
| 5C3u | 4.00 to 4.50 | Dark grey (2.5Y41) moist; silty light medium clay; massive structure; gradual to; |
| 6C4u | 4.50 to 4.80 | Dark grey (5Y41) moist; silty light clay; massive structure; wet when sampled; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.2 | 2.5 | |
| 0.30 | | | | | 4.4 | 2.6 | |
| 0.60 | | | | | 5.8 | 3.6 | |
| 0.80 | | | | | 6.4 | 3.3 | |
| 1.00 | | | | | 6.7 | 3.5 | |
| 1.25 | | | | | 6.7 | 3.5 | |
| 1.50 | | | | | 6.5 | 3.2 | |
| 1.75 | | | | | 6.2 | 1.3 | |
| 2.00 | | | | | 6.6 | 1.0 | |
| 2.50 | | | | | 6.5 | 1.6 | |
| 3.00 | | | | | 6.7 | 2.3 | |
| 3.50 | | | | | 6.7 | 1.3 | |
| 3.90 | | | | | 6.9 | 1.4 | |
| 4.25 | | | | | 6.8 | 1.5 | |
| 4.70 | | | | | 7.0 | 1.5 | |

Notes:

Project: SEA

Site: 2467

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

499636 mE
499530 mE

7060858 mN
7060670 mN

Described By: Manders, JA

Date: 06-Nov-2001

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: periodic cracking

Substrate Lithology: No record
Element: swale
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: Sulfidic, Redoxic, HYDROSOL

GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| Ap | 0.00 to 0.30 | Very dark greyish brown (10YR32) moist; fine sandy light medium clay; moderate 10-20mm subangular blocky structure; dry when sampled; gradual to; |
| B1 | 0.30 to 0.80 | Very dark grey (10YR31) moist; common 10-20% medium 5-15mm prominent orange mottles; medium clay; moderate 10-20mm subangular blocky structure; moderately moist when sampled; diffuse to; |
| B2 | 0.80 to 1.10 | Grey (2.5Y51) moist; very few <2% medium 5-15mm faint orange mottles; silty medium clay; moderate 2-5mm angular blocky structure; moist when sampled; clear to; |
| C1u | 1.10 to 3.60 | Dark grey (5Y41) moist; silty light medium clay; massive structure; wet when sampled; |
| 2C2u | 3.60 to 4.60 | Greenish grey (5GY51) moist; sandy light clay; massive structure; wet when sampled; |
| 3C3u | 4.60 to 4.80 | Greenish grey (5GY51) moist; sandy clay loam; massive structure; wet when sampled; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.6 | 2.0 | |
| 0.30 | | | | | 4.6 | 1.9 | |
| 0.60 | | | | | 5.0 | 2.4 | |
| 0.80 | | | | | 5.1 | 3.0 | |
| 1.00 | | | | | 4.9 | 2.9 | |
| 1.25 | | | | | 5.2 | 1.3 | |
| 1.50 | | | | | 5.6 | 1.3 | |
| 1.75 | | | | | 5.9 | 1.3 | |
| 2.00 | | | | | 5.9 | 1.3 | |
| 2.50 | | | | | 6.1 | 1.1 | |
| 3.00 | | | | | 6.1 | 1.4 | |
| 3.25 | | | | | 6.3 | 1.4 | |
| 3.50 | | | | | 6.4 | 2.6 | |
| 3.75 | | | | | 6.5 | 1.2 | |
| 4.00 | | | | | 6.7 | 1.2 | |
| 4.25 | | | | | 6.8 | 1.4 | |
| 4.50 | | | | | 6.7 | 1.3 | |
| 4.75 | | | | | 6.8 | 1.7 | |

Notes:

Project: SEA

Site: 2468

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

499047 mE
498941 mE

7061232 mN
7061044 mN

Described By: Manders, JA

Date: 06-Nov-2001

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: recently cultivated

Substrate Lithology: Alluvium
Element: plain
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: Redoxic, HYDROSOL
GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| Ap | 0.00 to 0.30 | Very dark greyish brown (10YR32) moist; fine sandy light clay; moderate 5-10mm subangular blocky structure; dry when sampled; clear to; |
| B2 | 0.30 to 0.60 | Greyish brown (2.5Y52) moist; few 2-10% coarse 15-30mm distinct orange mottles; sandy light medium clay; moderate 5-10mm subangular blocky structure; dry when sampled; gradual to; |
| 2B2 | 0.60 to 1.30 | Greyish brown (2.5Y52) moist; common 10-20% medium 5-15mm prominent orange mottles; medium heavy clay; moderate 10-20mm subangular blocky structure; few 2-10% coarse 6-20mm manganiferous concretions; moderately moist when sampled; gradual to; |
| 3B3 | 1.30 to 2.20 | Light brownish grey (2.5Y62) moist; light grey (2.5Y72) dry; many 20-50% very coarse >30mm prominent orange mottles; clayey sand; single grain structure; dry when sampled; gradual to; |
| 3C1 | 2.20 to 4.80 | Very dark grey (5Y31) moist; sandy clay loam; single grain structure; wet when sampled; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.8 | 2.1 | |
| 0.30 | | | | | 5.1 | 2.4 | |
| 0.60 | | | | | 5.4 | 3.4 | |
| 0.80 | | | | | 5.8 | 3.8 | |
| 1.00 | | | | | 5.5 | 3.9 | |
| 1.25 | | | | | 5.5 | 4.0 | |
| 1.50 | | | | | 5.3 | 3.5 | |
| 1.75 | | | | | 5.0 | 3.0 | |
| 2.00 | | | | | 3.7 | 2.5 | |
| 2.25 | | | | | 4.8 | 1.5 | |
| 2.50 | | | | | 6.1 | 1.1 | |
| 3.00 | | | | | 6.0 | 1.1 | |
| 3.50 | | | | | 6.4 | 1.4 | |
| 4.00 | | | | | 6.4 | 1.1 | |
| 4.50 | | | | | 6.8 | 1.3 | |

Notes:

Project: SEA

Site: 2469

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56 499780 mE
ZONE 56 499674 mE

7061331 mN
7061143 mN

Described By: Manders, JA

Date: 06-Nov-2001

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: firm

Substrate Lithology: No record
Element: No record
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: Grey, DERMOSOL
GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| Ap | 0.00 to 0.50 | Olive yellow (2.5Y66) moist; sandy light clay; weak 5-10mm angular blocky structure; dry when sampled; |
| B21 | 0.50 to 0.80 | Light brownish grey (2.5Y63) moist; many 20-50% very coarse >30mm distinct orange mottles; clay loam, sandy; moderate 5-10mm angular blocky structure; common 10-20% coarse 6-20mm manganiferous concretions; moderately moist when sampled; |
| B22 | 0.80 to 1.20 | Light brownish grey (2.5Y63) moist; many 20-50% very coarse >30mm prominent orange mottles; clay loam, sandy; common 10-20% angular quartz medium pebbles 6-20mm; moderate 5-10mm subangular blocky structure; few 2-10% coarse 6-20mm manganiferous concretions; moderately moist when sampled; |
| 2B2 | 1.20 to 2.30 | Greyish brown (2.5Y52) moist; many 20-50% very coarse >30mm prominent orange mottles; heavy clay; massive structure; few 2-10% coarse 6-20mm manganiferous concretions; moderately moist when sampled; |
| 2D1 | 2.30 to 3.60 | Reddish yellow (7.5YR68) moist; many 20-50% very coarse >30mm prominent pale, few 2-10% coarse 15-30mm prominent red mottles; heavy clay; very few <2% subrounded quartz large pebbles 20-60mm; massive structure; dry when sampled; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.1 | 3.3 | |
| 0.30 | | | | | 4.9 | 3.6 | |
| 0.60 | | | | | 5.4 | 3.7 | |
| 0.80 | | | | | 5.3 | 3.7 | |
| 1.00 | | | | | 5.4 | 3.6 | |
| 1.25 | | | | | 5.2 | 3.4 | |
| 1.50 | | | | | 5.1 | 3.1 | |
| 1.75 | | | | | 4.9 | 3.3 | |
| 2.00 | | | | | 5.0 | 3.3 | |
| 2.25 | | | | | 4.8 | 3.7 | |
| 2.50 | | | | | 5.0 | 3.5 | |
| 3.00 | | | | | 5.1 | 4.0 | |
| 3.50 | | | | | 5.4 | 3.8 | |

Notes:

Project: SEA

Site: 2470

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56 499956 mE
ZONE 56 499850 mE

7061446 mN
7061258 mN

Described By: Manders, JA

Date: 06-Nov-2001

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: periodic cracking

Substrate Lithology: Alluvium
Element: plain
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: Brown, DERMOSOL

GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| Ap | 0.00 to 0.15 | Dark greyish brown (10YR42) moist; fine sandy light clay; moderate structure; dry when sampled; clear to; |
| B2 | 0.15 to 0.40 | Yellowish brown (10YR54) moist; few 2-10% medium 5-15mm prominent orange mottles; medium clay; few 2-10% angular quartz medium pebbles 6-20mm; moderate structure; dry when sampled; |
| D1 | 0.40 to 2.30 | Greenish grey (5GY61) moist; many 20-50% very coarse >30mm prominent red, common 10-20% very coarse >30mm prominent orange mottles; heavy clay; very few <2% angular quartz large pebbles 20-60mm; massive structure; dry when sampled; |

Field Tests:

No Record

Notes:

Project: SEA

Site: 2471

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56 496286 mE
ZONE 56 496180 mE

7063472 mN
7063284 mN

Described By: Manders, JA

Date: 06-Nov-2001

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: firm

Substrate Lithology: No record
Element: terrace flat
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: Brown, KANDOSOL
GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| A1 | 0.00 to 0.40 | Dark greyish brown (10YR42) moist; clay loam, sandy; weak 2-5mm subangular blocky structure; dry when sampled; clear to; |
| B2 | 0.40 to 1.70 | Dark yellowish brown (10YR44) moist; sandy clay loam; weak 2-5mm subangular blocky structure; dry when sampled; |
| C1 | 1.70 to 3.00 | Olive brown (2.5Y44) moist; sand; single grain structure; dry when sampled; |
| C2 | 3.00 to 3.50 | Light olive brown (2.5Y54) moist; very few <2% fine <5mm prominent orange mottles; clayey sand; single grain structure; wet when sampled; |
| 2C3 | 3.50 to 4.80 | Very dark grey (5Y31) moist; sandy clay loam; massive structure; wet when sampled; |

Field Tests:

| Depth (m) | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-----------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.6 | 2.8 | |
| 0.30 | | | | | 5.0 | 3.5 | |
| 0.60 | | | | | 5.2 | 2.9 | |
| 0.80 | | | | | 5.3 | 3.4 | |
| 1.00 | | | | | 5.2 | 3.4 | |
| 1.25 | | | | | 5.6 | 3.5 | |
| 1.50 | | | | | 5.6 | 3.7 | |
| 2.00 | | | | | 6.0 | 4.2 | |
| 3.25 | | | | | 6.4 | 4.1 | |
| 3.50 | | | | | 6.2 | 1.7 | |
| 3.75 | | | | | 6.4 | 0.9 | |

Notes:

Location Just south of Chambers Crossing, eastern terrace of river

Project: SEA

Site: 3064

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

512960 mE
512854 mE

7041732 mN
7041544 mN

Described By: Barry, Earl

Date: 30-Mar-1999

Landscape:

Geology: No record
Landform Pattern: beach ridge plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: soft

Substrate Lithology: Alluvium
Element: swale
Permeability: No record
Microrelief Component: No record
Slope: 1 %

Classifications:

ASC: Sulfidic, Oxyaquic, HYDROSOL
GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| A11 | 0.00 to 0.10 | Black (10YR21) moist; sapric clay loam, sandy; weak 2-5mm granular structure; moist when sampled; clear to; |
| B2 | 0.10 to 0.35 | Black (10YR21) moist; sapric sandy light clay; massive structure; moist when sampled; gradual to; |
| B3i | 0.35 to 0.50 | Very dark grey (10YR31) moist; few 2-10% fine <5mm faint orange mottles; clay loam, sandy; massive structure; moist when sampled; gradual to; |
| B | 0.50 to 0.65 | Dark grey (10YR41) moist; loamy sand; massive, single grain, massive structure; wet when sampled; gradual to; |
| C1 | 0.65 to 1.40 | Light grey (10YR72) moist; sand; clear to; |
| 2C2 | 1.40 to 4.10 | Grey (2.5Y61) moist; sand; single grain structure; wet when sampled; diffuse to; |
| 2C3 | 4.10 to 6.85 | Grey (10YR61) moist; clayey sand; few 2-10% subangular gravel small pebbles 2-6mm, very few <2% subangular other small pebbles 2-6mm; single grain structure; very few <2% coarse 6-20mm ferruginous soft segregations; wet when |
| 3D1 | 6.85 to 7.20 | Light greenish grey (5GY81) moist; common 10-20% coarse 15-30mm prominent brown mottles; medium clay; massive structure; wet when sampled; abrupt to; |
| 3D2 | 7.20 to 7.30 | Olive (5Y44) moist; few 2-10% fine <5mm distinct pale mottles; medium clay; massive structure; wet when sampled; |

Field Tests:

| Depth | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 3.5 | 2.9 | |
| 0.30 | | | | | 4.2 | 3.2 | |
| 0.60 | | | | | 4.7 | 4.0 | |
| 0.80 | | | | | 4.7 | 4.6 | |
| 1.00 | | | | | 5.0 | 4.9 | |
| 1.50 | | | | | 5.0 | 1.7 | |
| 2.00 | | | | | 5.2 | 1.8 | |
| 2.50 | | | | | 5.2 | 1.8 | |
| 3.00 | | | | | 5.3 | 1.8 | |
| 3.50 | | | | | 6.0 | 2.1 | |
| 4.00 | | | | | 5.4 | 2.1 | |
| 4.50 | | | | | 5.4 | 1.7 | |
| 5.00 | | | | | 4.6 | 1.6 | |
| 5.50 | | | | | 4.8 | 1.7 | |
| 6.00 | | | | | 4.7 | 1.8 | |
| 6.50 | | | | | 5.1 | 2.0 | |
| 7.00 | | | | | 6.7 | 3.6 | |

Notes:

Location In vacant land to East of Noosa Caloundra Rd, North of Wurley Drive
Site SUN001
Site Horizon 2C2u - Wood fragments at 3.5m.

Project: SEA

Site: 3065

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

513257 mE
513151 mE

7042285 mN
7042097 mN

Described By: Barry, Earl

Date: 30-Mar-1999

Landscape:

Geology: No record

Landform Pattern: beach ridge plain

Runoff: No record

Surface Condition: firm

Substrate Lithology: Alluvium

Element: swale

Permeability: No record

Classifications:

ASC: Sulfidic, Stratic, RUDOSOL

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| Ap | 0.00 to 0.20 | Black (10YR21) moist; sapric loamy sand; very few <2% subangular charcoal medium pebbles 6-20mm; massive structure; moderately moist when sampled; sharp to; |
| C1 | 0.20 to 1.25 | Very pale brown (10YR73) moist; few 2-10% medium 5-15mm faint brown mottles; sand; single grain structure; moist when sampled; clear to; |
| 2C2 | 1.25 to 1.60 | Grey (5Y61) moist; very few <2% medium 5-15mm faint brown mottles; sand; single grain structure; wet when sampled; abrupt to; |
| 3C3u | 1.60 to 2.20 | Black (10YR21) moist; fibric peat; massive structure; wet when sampled; clear to; |
| 4C4u | 2.20 to 2.70 | Dark grey (5Y41) moist; sand; single grain structure; wet when sampled; gradual |
| 4C5u | 2.70 to 3.30 | Olive grey (5Y52) moist; sand; single grain structure; wet when sampled; diffuse |
| 4C6u | 3.30 to 4.80 | Dark greyish brown (2.5Y42) moist; many 20-50% coarse 15-30mm distinct grey mottles; sand; single grain structure; wet when sampled; diffuse to; |
| 4C7u | 4.80 to 5.55 | Grey (5Y51) moist; clayey sand; very few <2% subangular gravel small pebbles 2-6mm; single grain structure; wet when sampled; clear to; |
| 4C8u | 5.55 to 6.00 | Dark grey (5Y41) moist; few 2-10% medium 5-15mm distinct dark mottles; loamy sand; very few <2% subangular gravel medium pebbles 6-20mm; massive structure; wet when sampled; gradual to; |
| 4C9u | 6.00 to 6.65 | Light grey (2.5Y71) moist; sand; single grain structure; wet when sampled; abrupt |
| 5C10 | 6.65 to 7.30 | Very dark grey (10YR31) moist; light loamy sand; very few <2% subangular charcoal small pebbles 2-6mm; massive structure; wet when sampled; gradual to; |
| 5C11 | 7.30 to 9.10 | Black (10YR21) moist; sapric sandy loam; massive structure; common 10-20% coarse 6-20mm ferruginous-organic soft segregations; wet when sampled; diffuse to; |
| 5C12 | 9.10 to 9.50 | Dark olive brown (2.5Y33) moist; heavy sand; single grain structure; wet when sampled; |

Field Tests:

| Depth | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 3.7 | 1.3 | |
| 0.30 | | | | | 4.2 | 1.9 | |
| 0.60 | | | | | 6.3 | 5.7 | |
| 0.80 | | | | | 6.6 | 5.5 | |
| 1.00 | | | | | 6.4 | 5.1 | |
| 1.25 | | | | | 6.3 | 4.8 | |
| 1.50 | | | | | 6.6 | 2.2 | |
| 1.75 | | | | | 6.8 | 1.1 | |
| 2.00 | | | | | 6.8 | 2.0 | |
| 2.25 | | | | | 7.0 | 1.4 | |
| 2.50 | | | | | 6.9 | 1.9 | |
| 3.00 | | | | | 7.0 | 2.1 | |
| 3.50 | | | | | 6.0 | 1.8 | |
| 4.00 | | | | | 5.4 | 1.9 | |
| 4.50 | | | | | 5.5 | 1.7 | |
| 5.00 | | | | | 5.9 | 1.9 | |
| 5.50 | | | | | 5.4 | 1.9 | |
| 6.00 | | | | | 5.1 | 1.8 | |
| 6.50 | | | | | 5.1 | 1.5 | |
| 7.00 | | | | | 5.6 | 1.3 | |
| 7.50 | | | | | 5.6 | 4.8 | |
| 8.00 | | | | | 5.4 | 4.7 | |
| 8.50 | | | | | 5.4 | 4.6 | |
| 9.00 | | | | | 5.3 | 4.5 | |
| 9.50 | | | | | 5.3 | 4.6 | |

Project: SEA

Site: 3066

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56 511956 mE
ZONE 56 511850 mE

7043438 mN
7043250 mN

Described By: Barry, Earl

Date: 31-Mar-1999

Landscape:

Geology: No record

Landform Pattern: stagnant alluvial plain

Drainage: No record

Surface Condition: soft

Substrate Lithology: Alluvium

Element: swamp

Slope: 1 %

Classifications:

ASC: Terric, Acidic, Sapric, ORGANOSOL

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| A11 | 0.00 to 0.10 | Very dark grey (10YR31) moist; light clay loam, sandy; few 2-10% subrounded gravel large pebbles 20-60mm; massive structure; moist when sampled; clear to; |
| A12 | 0.10 to 0.50 | Black (10YR21) moist; sapric clay loam, sandy; weak 5-10mm granular structure; moist when sampled; clear to; |
| B2 | 0.50 to 0.65 | Black (10YR21) moist; sapric sandy light clay; massive structure; moist when sampled; gradual to; |
| 2C1 | 0.65 to 0.80 | Grey (5Y61) moist; common 10-20% coarse 15-30mm distinct dark mottles; heavy loamy sand; single grain structure; wet when sampled; clear to; |
| 2C2 | 0.80 to 1.50 | Light grey (2.5Y72) moist; common 10-20% coarse 15-30mm distinct brown mottles; loamy sand; single grain structure; wet when sampled; diffuse to; |
| 2C3 | 1.50 to 3.10 | Black (10YR21) moist; sapric loamy sand; single grain structure; moist when sampled; clear to; |
| 3C4u | 3.10 to 3.65 | Very dark greyish brown (2.5Y32) moist; few 2-10% fine <5mm distinct dark mottles; medium clay; massive structure; moist when sampled; diffuse to; |
| 3C5u | 3.65 to 4.60 | Dark greenish grey (10Y31) moist; few 2-10% medium 5-15mm faint brown mottles; medium clay; massive structure; wet when sampled; gradual to; |
| 3C6u | 4.60 to 5.43 | Dark greenish grey (10Y31) moist; sandy light clay; massive structure; wet when sampled; gradual to; |
| 4C7 | 5.43 to 5.50 | Olive grey (5Y42) moist; sandy light clay; massive structure; wet when sampled; clear to; |
| 4C8 | 5.50 to 5.75 | Very dark grey (5Y31) moist; clayey sand; massive structure; wet when sampled; clear to; |
| 4C9 | 5.75 to 6.70 | Grey (N60) moist; sandy medium clay; massive structure; wet when sampled; gradual to; |
| 5C1 | 6.70 to 7.00 | Light grey (N70) moist; clayey sand; single grain structure; wet when sampled; |

Field Tests:

| Depth | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.9 | 2.3 | |
| 0.30 | | | | | 4.9 | 2.4 | |
| 0.60 | | | | | 5.3 | 1.9 | |
| 0.80 | | | | | 4.5 | 2.4 | |
| 1.00 | | | | | 4.3 | 2.6 | |
| 1.25 | | | | | 5.6 | 2.6 | |
| 1.50 | | | | | 4.9 | 1.7 | |
| 1.75 | | | | | 4.0 | 0.7 | |
| 2.00 | | | | | 4.5 | 1.9 | |
| 2.25 | | | | | 4.8 | 2.4 | |
| 2.50 | | | | | 4.8 | 0.8 | |
| 2.75 | | | | | 4.9 | 0.8 | |
| 3.00 | | | | | 5.4 | 2.4 | |
| 3.25 | | | | | 5.6 | 1.5 | |
| 3.50 | | | | | 5.7 | 1.7 | |
| 3.75 | | | | | 5.8 | 1.1 | |
| 4.00 | | | | | 6.0 | 1.1 | |
| 4.25 | | | | | 5.9 | 1.0 | |
| 4.50 | | | | | 6.1 | 1.0 | |

Project: SEA

Site: 3067

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

511406 mE
511300 mE

7041338 mN
7041150 mN

Described By: Barry, Earl

Date: 31-Mar-1999

Landscape:

Geology: No record

Landform Pattern: stagnant alluvial plain

Runoff: No record

Microrelief: No record

Drainage: No record

Surface Coarse Fragments: No record

Surface Condition: No record

Substrate Lithology: Alluvium

Element: swamp

Permeability: No record

Microrelief Component: No record

Slope: 0 %

Classifications:

ASC: Sulfuric, Redoxic, HYDROSOL

GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| S1 | 0.00 to 1.45 | |
| 2A1 | 1.45 to 1.80 | Very dark grey (2.5Y31) moist; sandy light medium clay; massive structure; wet when sampled; abrupt to; |
| 3C1 | 1.80 to 2.20 | Light brownish grey (2.5Y62) moist; common 10-20% coarse 15-30mm distinct brown mottles; sand; single grain structure; wet when sampled; gradual to; |
| 3C2 | 2.20 to 2.60 | Black (2.5Y2.51) moist; sapric loamy sand; single grain structure; few 2-10% coarse 6-20mm ferruginous-organic fragments; wet when sampled; gradual to; |
| 3C3 | 2.60 to 3.25 | Very dark brown (7.5YR2.52) moist; common 10-20% medium 5-15mm faint dark mottles; sapric loamy sand; single grain structure; wet when sampled; gradual to; |
| 3C4 | 3.25 to 3.70 | Dark brown (10YR33) moist; few 2-10% medium 5-15mm distinct dark mottles; loamy sand; single grain structure; wet when sampled; gradual to; |
| 4C5 | 3.70 to 4.34 | Light brownish grey (2.5Y63) moist; sand; single grain structure; wet when sampled; clear to; |
| 5C6 | 4.34 to 5.53 | Very dark grey (2.5Y31) moist; silty light medium clay; massive structure; wet when sampled; clear to; |
| 6D1 | 5.53 to 6.64 | Dark grey (N40) moist; few 2-10% medium 5-15mm distinct dark mottles; silty light medium clay; massive structure; wet when sampled; |

Field Tests:

| Depth | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-------|-----------|------------|------|------|------|------|--|
| 1.50 | | | | | 4.5 | 2.1 | |
| 1.75 | | | | | 5.0 | 1.6 | |
| 2.00 | | | | | 5.6 | 2.3 | |
| 2.25 | | | | | 4.7 | 1.3 | |
| 2.50 | | | | | 4.6 | 1.4 | |
| 2.75 | | | | | 6.0 | 3.1 | |
| 3.00 | | | | | 6.2 | 3.6 | |
| 3.25 | | | | | 6.0 | 4.3 | |
| 3.50 | | | | | 6.0 | 4.3 | |
| 3.75 | | | | | 5.8 | 2.1 | |
| 4.00 | | | | | 6.1 | 2.0 | |
| 4.25 | | | | | 6.6 | 4.1 | |
| 4.50 | | | | | 6.2 | 1.2 | |
| 4.75 | | | | | 6.3 | 0.9 | |
| 5.00 | | | | | 6.3 | 1.1 | |
| 5.50 | | | | | 6.2 | 0.8 | |
| 6.00 | | | | | 6.8 | 1.4 | |
| 6.50 | | | | | 7.1 | 1.8 | |

Notes:

Location Site on edge of raised gravel road below power lines in centre of relict ox-bow swamp.
Site SUN 004. Water level 0.6m above A horizon.
Site 0-1.45m Roadbase / fill.

Project: SEA

Site: 3068

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56 510936 mE
ZONE 56 510830 mE

7046138 mN
7045950 mN

Described By: Barry, Earl

Date: 31-Mar-1999

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: soft

Substrate Lithology: Alluvium
Element: terrace plain
Permeability: No record
Microrelief Component: No record
Slope: 0.5 %

Classifications:

ASC: Humic, Semiaquic, PODOSOL
GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| A11 | 0.00 to 0.30 | Dark grey (10YR41) moist; common 10-20% medium 5-15mm prominent orange mottles; sandy loam; massive structure; moderately moist when sampled; gradual |
| A2e | 0.30 to 0.55 | White (10YR82) moist; heavy loamy sand; massive structure; moist when sampled; clear to; |
| B1 | 0.55 to 0.70 | Black (10YR21) moist; sapric sandy clay loam; massive structure; wet when sampled; clear to; |
| B21h | 0.70 to 0.80 | Very dark brown (10YR22) moist; clay loam, sandy; massive structure; moderately cemented platy ortstein; moderately moist when sampled; clear to; |
| 2C1 | 0.80 to 1.50 | Light brownish grey (10YR62) moist; common 10-20% medium 5-15mm prominent orange mottles; medium heavy clay; massive structure; moist when sampled; clear |
| 3C2 | 1.50 to 2.15 | Light grey (10YR72) moist; few 2-10% coarse 15-30mm distinct brown mottles; sand; very few <2% subrounded quartz medium pebbles 6-20mm; single grain structure; moist when sampled; clear to; |
| 4C3 | 2.15 to 2.40 | Light brownish grey (2.5Y62) moist; medium heavy clay; massive structure; moist when sampled; |

Field Tests:

| Depth | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.9 | 2.7 | |
| 0.30 | | | | | 4.8 | 3.3 | |
| 0.40 | | | | | 4.7 | 3.5 | |
| 0.60 | | | | | 5.1 | 2.5 | |
| 0.80 | | | | | 5.3 | 3.8 | |
| 1.00 | | | | | 5.5 | 4.0 | |
| 1.25 | | | | | 5.8 | 3.4 | |
| 1.50 | | | | | 5.8 | 2.5 | |
| 1.75 | | | | | 6.2 | 4.2 | |
| 2.00 | | | | | 6.3 | 3.8 | |
| 2.25 | | | | | 6.3 | 4.6 | |

Notes:

Location In area between river and Mooloolaba-Hwy Road
Site SUN 005.

Project: SEA

Site: 3069

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

512056 mE
511950 mE

7042058 mN
7041870 mN

Described By: Barry, Earl

Date: 23-May-1999

Landscape:

Geology: No record

Landform Pattern: stagnant alluvial plain

Runoff: No record

Microrelief: No record

Drainage: No record

Surface Coarse Fragments: No record

Surface Condition: soft

Substrate Lithology: Alluvium

Element: backplain

Permeability: No record

Microrelief Component: No record

Slope: 0 %

Classifications:

ASC: Sulfidic, Redoxic, HYDROSOL

GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| A1 | 0.00 to 0.25 | Very dark grey (10YR31) moist; sapric clay loam; moderate 2-5mm granular structure; moist when sampled; clear to; |
| B21 | 0.25 to 0.50 | Dark grey (10YR41) moist; many 20-50% medium 5-15mm distinct dark, few 2-10% fine <5mm prominent red mottles; light medium clay; massive structure; wet when sampled; clear to; |
| B3 | 0.50 to 0.70 | Greyish brown (10YR52) moist; few 2-10% medium 5-15mm distinct orange mottles; sandy clay loam; massive structure; wet when sampled; diffuse to; |
| 2C1u | 0.70 to 1.60 | Greyish brown (2.5Y52) moist; loamy sand; single grain structure; wet when sampled; diffuse to; |
| 2C2u | 1.60 to 3.50 | Grey (2.5Y51) moist; sand; single grain structure; wet when sampled; diffuse to; |
| 3C3u | 3.50 to 4.80 | Dark greenish grey (10Y31) moist; fine sandy light medium clay; few 2-10% subangular shell medium pebbles 6-20mm; massive structure; wet when sampled; |
| 4C4u | 4.80 to 5.40 | Dark greenish grey (10Y31) moist; silty light medium clay; very few <2% shell large pebbles 20-60mm; massive structure; wet when sampled; diffuse to; |
| 5C5u | 5.40 to 5.90 | Greenish black (10Y2.51) moist; very few <2% medium 5-15mm distinct brown mottles; fine sandy light medium clay; massive structure; wet when sampled; |
| 6C6u | 5.90 to 6.75 | Dark greenish grey (10Y31) moist; silty light medium clay; very few <2% shell large pebbles 20-60mm; massive structure; wet when sampled; diffuse to; |
| 7C7u | 6.75 to | Very dark grey (2.5Y31) moist; loamy sand; very few <2% subangular shell large pebbles 20-60mm; massive structure; weakly cemented broken massive organic pan; wet when sampled; clear to; |
| 8C8u | 10.1 to 10.6 | Very dark grey (10YR31) moist; few 2-10% coarse 15-30mm faint brown mottles; sandy light clay; massive structure; wet when sampled; diffuse to; |
| 8C9u | 10.6 to 11.0 | Black (10YR21) moist; sandy light medium clay; massive structure; wet when sampled; clear to; |
| 9C10 | 11.0 to 12.2 | Grey (10YR51) moist; clayey sand; very few <2% subangular quartz small pebbles 2-6mm; single grain structure; wet when sampled; clear to; |
| 9C11 | 12.2 to 12.7 | Very dark greyish brown (10YR32) moist; clayey sand; few 2-10% subangular quartz small pebbles 2-6mm; single grain structure; wet when sampled; gradual |
| 9C12 | 12.7 to 13.9 | Dark greyish brown (10YR42) moist; clayey sand; common 10-20% subangular quartz small pebbles 2-6mm; single grain structure; few 2-10% very coarse 20-60mm ferromanganiferous soft segregations; wet when sampled; clear to; |
| 10C13 | 13.9 to 14.2 | Greyish brown (2.5Y52) moist; sandy light clay; very few <2% subrounded quartz small pebbles 2-6mm; massive structure; wet when sampled; abrupt to; |
| 11C14 | 14.2 to 16.8 | Dark greyish brown (2.5Y42) moist; clayey sand; few 2-10% subrounded quartz small pebbles 2-6mm; single grain structure; wet when sampled; sharp to; |
| 12D1 | 16.8 to 17.1 | Bluish grey (5B51) moist; few 2-10% medium 5-15mm distinct pale, common 10-20% coarse 15-30mm distinct gley mottles; medium heavy clay; massive structure; wet when sampled; |

Project: SEA

Site: 3069

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

512056 mE
511950 mE

7042058 mN
7041870 mN

Described By: Barry, Earl

Date: 23-May-1999

Field Tests:

| Depth | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.7 | 3.2 | |
| 0.30 | | | | | 4.7 | 3.0 | |
| 0.60 | | | | | 4.7 | 2.9 | |
| 0.80 | | | | | 4.9 | 2.7 | |
| 1.00 | | | | | 5.2 | 2.7 | |
| 1.25 | | | | | 5.0 | 1.8 | |
| 1.50 | | | | | 5.0 | 1.7 | |
| 1.75 | | | | | 4.8 | 1.4 | |
| 2.00 | | | | | 4.7 | 1.2 | |
| 2.25 | | | | | 4.5 | 1.5 | |
| 2.50 | | | | | 5.1 | 1.6 | |
| 2.75 | | | | | 4.7 | 1.5 | |
| 3.00 | | | | | 4.9 | 1.5 | |
| 3.25 | | | | | 5.4 | 1.4 | |
| 3.50 | | | | | 6.1 | 1.7 | |
| 3.75 | | | | | 7.3 | 1.4 | |
| 4.00 | | | | | 7.1 | 1.3 | |
| 4.25 | | | | | 6.9 | 1.1 | |
| 4.50 | | | | | 6.6 | 1.2 | |
| 4.75 | | | | | 7.4 | 1.0 | |
| 5.00 | | | | | 8.1 | 1.3 | |
| 5.50 | | | | | 7.7 | 0.8 | |
| 6.00 | | | | | 8.3 | 1.3 | |
| 6.50 | | | | | 8.2 | 1.6 | |
| 7.00 | | | | | 8.0 | 1.6 | |
| 7.50 | | | | | 7.2 | 2.3 | |
| 8.00 | | | | | 7.0 | 2.5 | |
| 8.50 | | | | | 7.5 | 2.6 | |
| 9.00 | | | | | 7.3 | 5.8 | |
| 9.50 | | | | | 7.5 | 6.7 | |
| 10.00 | | | | | 7.1 | 2.2 | |
| 10.50 | | | | | 7.8 | 2.4 | |
| 11.00 | | | | | 7.5 | 7.0 | |
| 11.50 | | | | | 7.1 | 2.3 | |
| 12.00 | | | | | 7.8 | 2.4 | |
| 12.50 | | | | | 7.4 | 4.4 | |
| 13.00 | | | | | 7.3 | 2.0 | |
| 13.50 | | | | | 8.0 | 2.2 | |
| 14.00 | | | | | 7.4 | 4.0 | |
| 14.50 | | | | | 7.2 | 2.4 | |
| 15.00 | | | | | 7.5 | 1.9 | |
| 15.50 | | | | | 8.0 | 2.9 | |
| 16.00 | | | | | 7.3 | 1.8 | |
| 16.50 | | | | | 7.7 | 1.8 | |
| 17.00 | | | | | 7.5 | 6.5 | |

Notes:

Location 50m W of lake in Birtinya Channel.

Project: SEA

Site: 3070

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

511156 mE
511050 mE

7041858 mN
7041670 mN

Described By: Barry, Earl

Date: 24-May-1999

Landscape:

Geology: No record

Landform Pattern: stagnant alluvial plain

Runoff: No record

Microrelief: No record

Drainage: No record

Surface Coarse Fragments: No record

Surface Condition: firm

Substrate Lithology: Alluvium

Element: backplain

Permeability: No record

Microrelief Component: No record

Slope: 0 %

Classifications:

ASC: Sulfidic, Redoxic, HYDROSOL

GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| S1 | 0.00 to 1.00 | |
| A11 | 1.00 to 1.17 | Black (10YR21) moist; sapric clay loam; weak 2-5mm subangular blocky structure; moist when sampled; clear to; |
| B1 | 1.17 to 1.28 | Very dark grey (10YR31) moist; light clay; massive structure; moist when sampled; abrupt to; |
| B21i | 1.28 to 1.58 | Dark grey (10YR41) moist; few 2-10% fine <5mm prominent orange mottles; sandy medium clay; massive structure; wet when sampled; clear to; |
| B3i | 1.58 to 1.75 | Dark grey (10YR41) moist; very few <2% medium 5-15mm distinct orange mottles; sandy light clay; massive structure; wet when sampled; clear to; |
| C1i | 1.75 to 2.60 | Light grey (10YR72) moist; few 2-10% medium 5-15mm distinct brown mottles; loamy sand; single grain structure; wet when sampled; gradual to; |
| 2C2u | 2.60 to 3.10 | Grey (5Y51) moist; sand; single grain structure; wet when sampled; clear to; |
| 2C3h | 3.10 to 3.95 | Very dark brown (10YR22) moist; loamy sand; massive structure; wet when sampled; clear to; |
| 3C4 | 3.95 to 4.35 | Grey (2.5Y51) moist; medium clay; massive structure; wet when sampled; clear to; |
| 4C5 | 4.35 to 5.50 | Grey (2.5Y51) moist; sandy clay loam; massive structure; wet when sampled; diffuse to; |
| 5C6 | 5.50 to 6.03 | Grey (10YR61) moist; sand; single grain structure; wet when sampled; |

Field Tests:

| Depth | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-------|-----------|------------|------|------|------|------|--|
| 1.00 | | | | | 4.4 | 1.9 | |
| 1.25 | | | | | 4.4 | 2.3 | |
| 1.50 | | | | | 4.3 | 2.1 | |
| 1.65 | | | | | 4.1 | 2.4 | |
| 1.80 | | | | | 4.4 | 2.4 | |
| 2.00 | | | | | 4.6 | 2.5 | |
| 2.25 | | | | | 4.9 | 2.1 | |
| 2.50 | | | | | 4.7 | 2.1 | |
| 2.75 | | | | | 4.7 | 1.6 | |
| 3.00 | | | | | 4.7 | 1.6 | |
| 3.25 | | | | | 4.7 | 2.8 | |
| 3.50 | | | | | 5.0 | 3.2 | |
| 3.75 | | | | | 4.8 | 3.1 | |
| 4.00 | | | | | 5.5 | 2.7 | |
| 4.25 | | | | | 5.6 | 2.8 | |
| 4.50 | | | | | 6.1 | 3.3 | |
| 4.75 | | | | | 6.6 | 3.2 | |
| 5.00 | | | | | 6.4 | 2.9 | |
| 5.50 | | | | | 6.6 | 2.6 | |
| 6.00 | | | | | 6.2 | 2.5 | |

Notes:

Location

Site on road next to Birtinya channel/lake, 20m N of Ch100 peg.

Project: SEA **Site:** 3071
Soil Name: No record
Location: GDA 94 ZONE 56 512276 mE 7042338 mN
Location: AGD 84 ZONE 56 512170 mE 7042150 mN
Described By: Barry, Earl **Date:** 24-May-1999

Landscape:

Geology: No record **Substrate Lithology:** Alluvium
Landform Pattern: alluvial plain **Element:** backplain
Runoff: No record **Permeability:** No record
Microrelief: No record **Microrelief Component:** No record
Drainage: No record **Slope:** 0 %
Surface Coarse Fragments: No record
Surface Condition: hard setting

Classifications:

ASC: Acidic, Regolithic, Bleached-leptic, TENOSOL
GSG: No record **PPF:** No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| A11 | 0.00 to 0.15 | Very dark grey (10YR31) moist; few 2-10% medium 5-15mm distinct pale, very few <2% fine <5mm distinct orange mottles; loamy sand; massive structure; moderately cemented broken massive densipan; dry when sampled; abrupt to; |
| A12 | 0.15 to 0.35 | Very dark grey (10YR31) moist; few 2-10% fine <5mm faint pale mottles; loamy sand; single grain structure; moderately moist when sampled; clear to; |
| A2e | 0.35 to 0.72 | White (10YR81) moist; very few <2% medium 5-15mm prominent orange mottles; sand; single grain structure; moist when sampled; clear to; |
| B21 | 0.72 to 1.10 | Greyish brown (2.5Y53) moist; very few <2% medium 5-15mm distinct orange mottles; sand; single grain structure; wet when sampled; gradual to; |
| 2C1u | 1.10 to 2.55 | Grey (5Y51) moist; sand; single grain structure; wet when sampled; gradual to; |
| 2C2u | 2.55 to 3.10 | Dark grey (5Y41) moist; loamy sand; single grain structure; wet when sampled; gradual to; |
| 2C3u | 3.10 to 3.90 | Grey (5Y61) moist; sand; single grain structure; wet when sampled; gradual to; |
| 3C4u | 3.90 to 6.10 | Very dark grey (5Y31) moist; clayey sand; very few <2% subangular quartz small pebbles 2-6mm; single grain structure; wet when sampled; diffuse to; |
| 4C5u | 6.10 to 8.10 | Dark grey (5Y41) moist; clayey coarse sand; few 2-10% subangular quartz small pebbles 2-6mm; single grain structure; wet when sampled; diffuse to; |
| 5C6u | 8.10 to | Grey (2.5Y51) moist; sand; very few <2% subangular quartz small pebbles 2-6mm; single grain structure; wet when sampled; diffuse to; |
| 5C7u | 10.2 to 10.9 | Grey (2.5Y51) moist; clayey sand; few 2-10% subangular quartz small pebbles 2-6mm, very few <2% subangular charcoal small pebbles 2-6mm; single grain structure; wet when sampled; gradual to; |
| 6C8u | 10.9 to 11.3 | Grey (5Y51) moist; fine sand; single grain structure; wet when sampled; gradual to; |
| 6C9u | 11.3 to 12.1 | Grey (5Y61) moist; sand; single grain structure; wet when sampled; diffuse to; |
| 7C10u | 12.1 to 14.0 | Grey (5Y51) moist; clayey sand; few 2-10% subangular quartz small pebbles 2-6mm; single grain structure; wet when sampled; diffuse to; |
| 7C11u | 14.0 to 15.7 | Grey (2.5Y61) moist; clayey sand; common 10-20% subangular quartz small pebbles 2-6mm; single grain structure; wet when sampled; diffuse to; |
| 7C12u | 15.7 to 16.2 | Grey (2.5Y51) moist; sand; very few <2% subangular quartz small pebbles 2-6mm; single grain structure; wet when sampled; diffuse to; |
| 8C13u | 16.2 to 16.9 | Grey (2.5Y61) moist; coarse sand; common 10-20% subangular quartz small pebbles 2-6mm; single grain structure; wet when sampled; clear to; |
| 9C14u | 16.9 to 17.4 | Dark grey (N40) moist; clayey coarse sand; common 10-20% subangular quartz small pebbles 2-6mm, very few <2% subrounded quartz medium pebbles 6-20mm; single grain structure; wet when sampled; diffuse to; |
| 10B21h | 17.4 to 17.5 | Black (10YR21) moist; clay loam, sandy; few 2-10% subrounded quartz small pebbles 2-6mm; massive structure; wet when sampled; clear to; |
| 11D1 | 17.5 to 17.6 | Dark greenish grey (5G41) moist; few 2-10% medium 5-15mm prominent orange mottles; sandy heavy clay; very few <2% rounded gravel medium pebbles 6-20mm; massive structure; moist when sampled; clear to; |
| 11D2 | 17.6 to 18.2 | Light greenish grey (5G71) moist; common 10-20% medium 5-15mm prominent orange, common 10-20% coarse 15-30mm prominent brown mottles; sandy heavy clay; very few <2% rounded gravel medium pebbles 6-20mm; massive structure; moist when sampled; |

Field Tests:

| Depth | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.9 | 3.1 | |
| 0.30 | | | | | 4.8 | 3.2 | |
| 0.60 | | | | | 5.0 | 4.3 | |
| 0.80 | | | | | 4.9 | 3.9 | |
| 1.00 | | | | | 4.8 | 3.3 | |
| 1.25 | | | | | 5.3 | 1.6 | |
| 1.50 | | | | | 5.1 | 1.6 | |
| 1.75 | | | | | 5.0 | 1.8 | |
| 2.00 | | | | | 5.0 | 1.8 | |
| 2.25 | | | | | 5.0 | 1.8 | |
| 2.50 | | | | | 5.1 | 1.7 | |
| 2.75 | | | | | 4.8 | 1.4 | |
| 3.00 | | | | | 4.6 | 1.6 | |
| 3.25 | | | | | 5.3 | 1.9 | |
| 3.50 | | | | | 4.8 | 1.9 | |
| 3.75 | | | | | 5.4 | 1.9 | |
| 4.00 | | | | | 5.3 | 1.6 | |
| 4.25 | | | | | 5.5 | 1.6 | |
| 4.50 | | | | | 5.8 | 1.8 | |
| 4.75 | | | | | 6.4 | 1.8 | |
| 5.00 | | | | | 5.2 | 2.0 | |
| 5.50 | | | | | 5.6 | 1.8 | |
| 6.00 | | | | | 6.1 | 1.8 | |
| 6.50 | | | | | 6.4 | 2.2 | |
| 7.00 | | | | | 6.5 | 2.0 | |
| 7.50 | | | | | 5.9 | 1.2 | |
| 8.00 | | | | | 5.9 | 1.1 | |
| 8.50 | | | | | 6.1 | 1.5 | |
| 9.00 | | | | | 6.2 | 1.4 | |
| 9.50 | | | | | 6.5 | 1.1 | |
| 10.00 | | | | | 5.9 | 1.3 | |
| 10.50 | | | | | 6.3 | 1.3 | |
| 11.00 | | | | | 5.9 | 1.3 | |
| 11.50 | | | | | 5.7 | 1.2 | |
| 12.00 | | | | | 5.2 | 1.2 | |
| 12.50 | | | | | 5.3 | 1.6 | |
| 13.00 | | | | | 5.0 | 1.6 | |
| 13.50 | | | | | 5.6 | 1.5 | |
| 14.00 | | | | | 5.4 | 1.6 | |
| 14.50 | | | | | 5.7 | 1.6 | |
| 15.00 | | | | | 5.9 | 1.5 | |
| 15.50 | | | | | 5.9 | 1.4 | |
| 16.00 | | | | | 5.8 | 1.2 | |
| 16.50 | | | | | 5.8 | 1.3 | |
| 17.00 | | | | | 5.8 | 1.3 | |
| 17.25 | | | | | 5.6 | 0.9 | |
| 17.45 | | | | | 6.1 | 1.5 | |
| 17.55 | | | | | 6.5 | 3.8 | |
| 18.00 | | | | | 6.3 | 6.6 | |

Notes:

Location

West side of canal opposite school on Sportsmans drive

Project: SEA

Site: 3072

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

511966 mE
511860 mE

7042348 mN
7042160 mN

Described By: Barry, Earl

Date: 25-May-1999

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: soft

Substrate Lithology: Alluvium
Element: backplain
Permeability: No record
Microrelief Component: No record
Slope: 0 %

Classifications:

ASC: Peaty, Sulfuric, Redoxic, HYDROSOL
GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| A11 | 0.00 to 0.15 | Black (10YR21) moist; fibric clay loam, sandy; moderate 2-5mm subangular blocky structure; wet when sampled; clear to; |
| A12i | 0.15 to 0.37 | Black (10YR21) moist; few 2-10% very coarse >30mm distinct brown mottles; sapric clay loam, sandy; weak 2-5mm subangular blocky structure; wet when sampled; clear to; |
| B21i | 0.37 to 0.72 | Very dark grey (2.5Y31) moist; few 2-10% coarse 15-30mm distinct brown mottles; silty medium clay; massive structure; wet when sampled; clear to; |
| 2B22 | 0.72 to 0.84 | Brown (10YR53) moist; very few <2% medium 5-15mm prominent red mottles; loamy sand; massive structure; wet when sampled; abrupt to; |
| 3B22ia | 0.84 to 1.10 | Very dark greyish brown (2.5Y32) moist; few 2-10% medium 5-15mm distinct yellow jarositic (from pyrite) mottles; fine sandy medium clay; massive structure; wet when sampled; clear to; |
| 4C1u | 1.10 to 1.20 | Greyish brown (10YR52) moist; clayey sand; single grain structure; wet when sampled; clear to; |
| 5C2u | 1.20 to 2.45 | Very dark grey (2.5Y31) moist; fine sandy light medium clay; massive structure; wet when sampled; clear to; |
| 6C3u | 2.45 to 3.65 | Grey (5Y51) moist; sand; very few <2% subangular charcoal small pebbles 2-6mm; massive structure; wet when sampled; gradual to; |
| 7C4u | 3.65 to 5.00 | Very dark grey (N30) moist; silty light medium clay; very few <2% subangular shell medium pebbles 6-20mm; massive structure; wet when sampled; clear to; |
| 7C5u | 5.00 to 5.40 | Dark greenish grey (10Y31) moist; few 2-10% coarse 15-30mm faint brown mottles; silty light medium clay; massive structure; wet when sampled; clear to; |
| 8C6u | 5.40 to 5.80 | Dark greenish grey (10Y41) moist; heavy sandy loam; massive structure; wet when sampled; clear to; |
| 9D1 | 5.80 to 6.45 | Grey (N50) moist; sandy light clay; massive structure; wet when sampled; clear to; |
| 10D2 | 6.45 to 6.90 | Olive (5Y43) moist; many 20-50% coarse 15-30mm prominent grey mottles; medium clay; massive structure; wet when sampled; gradual to; |
| 11D3 | 6.90 to 7.10 | Grey (N50) moist; few 2-10% coarse 15-30mm prominent brown mottles; sandy clay loam; massive structure; wet when sampled; clear to; |
| 12D4 | 7.10 to 8.47 | Brown (7.5YR43) moist; few 2-10% coarse 15-30mm prominent grey mottles; sandy clay loam; massive structure; wet when sampled; |

Field Tests:

| Depth | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.9 | 3.7 | |
| 0.30 | | | | | 4.3 | 3.8 | |
| 0.60 | | | | | 3.9 | 2.3 | |
| 0.80 | | | | | 4.1 | 2.2 | |
| 1.00 | | | | | 3.8 | 1.5 | |
| 1.25 | | | | | 4.3 | 1.3 | |
| 1.50 | | | | | 4.6 | 1.3 | |
| 1.75 | | | | | 5.4 | 1.3 | |
| 2.00 | | | | | 6.1 | 1.6 | |
| 2.25 | | | | | 6.3 | 1.2 | |
| 2.50 | | | | | 6.7 | 1.6 | |
| 2.75 | | | | | 6.6 | 1.7 | |
| 3.00 | | | | | 6.5 | 1.8 | |
| 3.25 | | | | | 6.4 | 1.7 | |
| 3.50 | | | | | 6.4 | 1.7 | |
| 3.75 | | | | | 7.0 | 1.9 | |
| 4.00 | | | | | 7.1 | 1.1 | |
| 4.25 | | | | | 7.2 | 1.1 | |
| 4.50 | | | | | 7.3 | 1.6 | |
| 4.75 | | | | | 7.1 | 1.0 | |
| 5.00 | | | | | 7.3 | 1.2 | |
| 5.50 | | | | | 7.4 | 1.7 | |
| 6.00 | | | | | 7.4 | 2.5 | |
| 6.50 | | | | | 7.6 | 2.8 | |
| 7.00 | | | | | 7.6 | 6.5 | |
| 7.50 | | | | | 7.4 | 6.8 | |
| 8.00 | | | | | 7.2 | 6.9 | |
| 8.40 | | | | | 7.4 | 7.2 | |

Notes:

Location West from 3071, 1/3 way towards power lines

Project: SEA

Site: 3073

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

511806 mE
511700 mE

7042688 mN
7042500 mN

Described By: Barry, Earl

Date: 26-May-1999

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: soft

Substrate Lithology: Alluvium
Element: backplain
Permeability: No record
Microrelief Component: No record
Slope: 0 %

Classifications:

ASC: Redoxic, HYDROSOL
GSG: No record

PPF: No record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| A11 | 0.00 to 0.15 | Black (10YR21) moist; sapric clay loam; moderate 2-5mm subangular blocky structure; wet when sampled; clear to; |
| A12 | 0.15 to 0.45 | Black (10YR21) moist; clay loam, sandy; massive structure; wet when sampled; clear to; |
| B21i | 0.45 to 0.60 | Dark grey (10YR41) moist; few 2-10% coarse 15-30mm faint brown mottles; sandy light medium clay; massive structure; wet when sampled; clear to; |
| 2C1 | 0.60 to 1.40 | Light brownish grey (2.5Y62) moist; few 2-10% medium 5-15mm prominent orange mottles; clayey sand; single grain structure; wet when sampled; gradual to; |
| 3C2u | 1.40 to 1.50 | Dark greyish brown (2.5Y43) moist; clayey sand; common 10-20% subrounded shell medium pebbles 6-20mm; single grain structure; wet when sampled; clear to; |
| 4C3u | 1.50 to 1.70 | Light brownish grey (2.5Y63) moist; sand; single grain structure; wet when sampled; clear to; |
| 5C4u | 1.70 to 4.60 | Greenish black (10Y2.51) moist; sandy light medium clay; few 2-10% subangular shell medium pebbles 6-20mm; massive structure; wet when sampled; diffuse to; |
| 6C5u | 4.60 to 5.70 | Greenish black (10Y2.51) moist; silty light medium clay; very few <2% subangular shell medium pebbles 6-20mm; massive structure; wet when sampled; clear to; |
| 7D1 | 5.70 to 7.20 | Grey (N50) moist; few 2-10% medium 5-15mm distinct pale mottles; medium clay; massive structure; moist when sampled; |

Field Tests:

| Depth | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 5.0 | 1.6 | |
| 0.30 | | | | | 5.3 | 2.2 | |
| 0.60 | | | | | 5.2 | 2.9 | |
| 0.80 | | | | | 5.7 | 3.5 | |
| 1.00 | | | | | 7.1 | 5.6 | |
| 1.25 | | | | | 7.0 | | |
| 1.45 | | | | | 6.9 | | |
| 1.60 | | | | | 5.0 | 6.2 | |
| 1.75 | | | | | 7.3 | 2.0 | |
| 2.00 | | | | | 7.2 | 2.8 | |
| 2.25 | | | | | 7.6 | 2.8 | |
| 2.50 | | | | | 7.4 | 2.1 | |
| 2.75 | | | | | 7.1 | 2.0 | |
| 3.00 | | | | | 7.5 | 1.5 | |
| 3.25 | | | | | 7.5 | 1.3 | |
| 3.50 | | | | | 7.6 | 1.3 | |
| 3.75 | | | | | 7.8 | 2.3 | |
| 4.00 | | | | | 8.0 | 1.4 | |
| 4.25 | | | | | 8.3 | 1.3 | |
| 4.50 | | | | | 8.2 | 1.6 | |
| 4.75 | | | | | 8.6 | 1.4 | |
| 5.00 | | | | | 8.5 | 1.6 | |
| 5.50 | | | | | 7.8 | 1.7 | |
| 6.00 | | | | | 7.8 | 2.8 | |
| 6.50 | | | | | 7.9 | 6.5 | |
| 7.00 | | | | | 8.4 | 7.4 | |

Project: SEA **Site:** 3074

Soil Name: No record

Location: GDA 94 **ZONE** 56 512056 mE 7043768 mN
Location: AGD 84 **ZONE** 56 511950 mE 7043580 mN

Described By: Barry, Earl

Date: 26-May-1999

Landscape:

Geology: No record **Substrate Lithology:** Alluvium
Landform Pattern: alluvial plain **Element:** backplain
Runoff: No record **Permeability:** No record
Microrelief: No record **Microrelief Component:** No record
Drainage: No record **Slope:** 0 %
Surface Coarse Fragments: No record
Surface Condition: No record

Classifications:

ASC: Sulfidic, Oxyaquic, HYDROSOL
GSG: No record **PPF:** No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| S1 | 0.00 to 0.60 | Sandy loam; clear to; |
| S2 | 0.60 to 0.70 | Very dark grey (2.5Y31) moist; clay loam, sandy; massive structure; moist when sampled; abrupt to; |
| A1 | 0.70 to 0.90 | Black (10YR21) moist; fibric clay loam; weak 2-5mm subangular blocky structure; moist when sampled; clear to; |
| C1 | 0.90 to 1.30 | Dark grey (10YR41) moist; sandy clay loam; massive structure; moist when sampled; clear to; |
| 2C2 | 1.30 to 1.70 | Dark grey (2.5Y41) moist; silty light medium clay; massive structure; wet when sampled; diffuse to; |
| 2C3 | 1.70 to 2.40 | Very dark grey (5Y31) moist; sandy light clay; massive structure; wet when sampled; clear to; |
| 3D1 | 2.40 to 2.70 | Dark brown (10YR33) moist; few 2-10% medium 5-15mm distinct brown mottles; sandy clay loam; massive structure; few 2-10% medium 2-6mm ferromanganiferous veins; wet when sampled; clear to; |
| 4D2 | 2.70 to 3.35 | Greenish grey (10Y61) moist; very few <2% medium 5-15mm prominent dark mottles; medium heavy clay; massive structure; wet when sampled; clear to; |
| 5D3 | 3.35 to 3.60 | Very dark greyish brown (10YR32) moist; sandy loam; massive structure; wet when sampled; |

Field Tests:

| Depth | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.6 | 4.3 | |
| 0.30 | | | | | 4.7 | 3.6 | |
| 0.60 | | | | | 6.2 | 2.2 | |
| 0.80 | | | | | 6.2 | 3.2 | |
| 1.00 | | | | | 5.9 | 2.3 | |
| 1.25 | | | | | 5.4 | 2.8 | |
| 1.50 | | | | | 4.8 | 2.9 | |
| 1.75 | | | | | 4.1 | 1.1 | |
| 2.00 | | | | | 4.1 | 1.5 | |
| 2.50 | | | | | 4.4 | 2.7 | |
| 2.75 | | | | | 5.1 | 2.4 | |
| 3.00 | | | | | 6.4 | 3.1 | |
| 3.25 | | | | | 6.5 | 2.8 | |
| 3.50 | | | | | 6.2 | 2.8 | |

Notes:

Horizon - A1 Layered fill from 0.0-0.7m - grav/sand/clay/SL.
Location North of Main Drive on built gravel track.
Site SUN 011

Project: SEA

Site: 3075

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56 512156 mE
ZONE 56 512050 mE

7043238 mN
7043050 mN

Described By: Barry, Earl

Date: 27-May-1999

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: Alluvium
Element: backplain
Permeability: No record
Microrelief Component: No record
Slope: 0 %

Classifications:

ASC: Sulfidic, Oxyaquic, HYDROSOL

GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| M1p | 0.00 to 0.50 | Brown (10YR43) moist; loamy sand; few 2-10% angular gravel large pebbles 20-60mm; massive structure; moist when sampled; abrupt to; |
| A11 | 1.25 to 1.40 | Very dark greyish brown (10YR32) moist; sandy loam; massive structure; moist when sampled; clear to; |
| C1 | 1.40 to 2.50 | Grey (10YR51) moist; fine sand; single grain structure; wet when sampled; clear |
| 2C2 | 2.50 to 3.70 | Very dark brown (10YR22) moist; loamy sand; massive structure; wet when sampled; gradual to; |
| 2C3 | 3.70 to 4.50 | Very dark brown (7.5YR2.52) moist; loamy sand; single grain structure; wet when sampled; |

Field Tests:

| Depth | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.9 | 2.7 | |
| 0.30 | | | | | 6.0 | 3.6 | |
| 0.60 | | | | | 6.9 | 5.0 | |
| 0.80 | | | | | 7.5 | 5.1 | |
| 1.00 | | | | | 6.2 | 1.9 | |
| 1.25 | | | | | 5.2 | 1.9 | |
| 1.50 | | | | | 4.6 | 4.0 | |
| 1.75 | | | | | 4.4 | 4.0 | |
| 2.00 | | | | | 5.7 | 4.0 | |
| 2.25 | | | | | 6.2 | 4.9 | |
| 2.50 | | | | | 5.4 | 3.7 | |
| 2.75 | | | | | 5.8 | 3.5 | |
| 3.00 | | | | | 5.8 | 3.2 | |
| 3.25 | | | | | 5.3 | 2.6 | |
| 3.50 | | | | | 5.2 | 3.1 | |
| 3.75 | | | | | 5.3 | 1.9 | |
| 4.00 | | | | | 5.2 | 1.7 | |
| 4.25 | | | | | 5.3 | 1.8 | |
| 4.50 | | | | | 5.4 | 1.5 | |

Notes:

Location On W side of canal, 200m S of Main Drv.
Site Unable to continue past 4.5 m due to sand collapsing into hole.
Site Horizon 2C2 - 'coffee sand'

Project: SEA

Site: 3076

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56 512226 mE
ZONE 56 512120 mE

7042908 mN
7042720 mN

Described By: Barry, Earl

Date: 27-May-1999

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: firm

Substrate Lithology: Alluvium
Element: backplain
Permeability: No record
Microrelief Component: No record
Slope: 0 %

Classifications:

ASC: Humic, Aquic, PODOSOL

GSG: No record

PPF: No record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| A1 | 0.00 to 0.55 | Dark grey (10YR41) moist; loamy sand; single grain structure; moist when sampled; gradual to; |
| B21h | 0.55 to 1.10 | Very dark brown (7.5YR22) moist; loamy sand; massive structure; wet when sampled; gradual to; |
| B22h | 1.10 to 2.00 | Dark brown (7.5YR33) moist; loamy sand; single grain structure; wet when sampled; clear to; |
| 2C1u | 2.00 to 4.10 | Greenish black (10Y2.51) moist; silty light medium clay; massive structure; wet when sampled; diffuse to; |
| 3C2u | 4.10 to 4.40 | Very dark grey (5Y31) moist; sandy light clay; massive structure; wet when sampled; gradual to; |
| 3C3u | 4.40 to 4.75 | Dark grey (2.5Y41) moist; sandy clay loam; massive structure; moderately cemented broken massive densipan; wet when sampled; clear to; |
| 4D1 | 4.75 to 6.03 | Grey (N50) moist; common 10-20% medium 5-15mm prominent orange, few 2-10% medium 5-15mm prominent red mottles; medium heavy clay; massive structure; moist when sampled; |

Field Tests:

| Depth | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 3.9 | 2.3 | |
| 0.30 | | | | | 3.7 | 2.2 | |
| 0.60 | | | | | 5.9 | 1.9 | |
| 0.80 | | | | | 5.7 | 2.4 | |
| 1.00 | | | | | 5.4 | 2.4 | |
| 1.25 | | | | | 5.6 | 1.9 | |
| 1.50 | | | | | 5.7 | 1.2 | |
| 1.75 | | | | | 4.4 | 0.9 | |
| 2.00 | | | | | 5.0 | 1.4 | |
| 2.25 | | | | | 5.4 | 1.4 | |
| 2.50 | | | | | 5.6 | 1.3 | |
| 2.75 | | | | | 5.9 | 1.6 | |
| 3.00 | | | | | 6.1 | 1.5 | |
| 3.25 | | | | | 6.0 | 1.1 | |
| 3.50 | | | | | 5.5 | 1.5 | |
| 3.75 | | | | | 6.4 | 1.1 | |
| 4.00 | | | | | 6.4 | 1.4 | |
| 4.25 | | | | | 6.6 | 1.5 | |
| 4.50 | | | | | 6.3 | 1.8 | |
| 4.75 | | | | | 6.5 | 1.7 | |
| 5.00 | | | | | 5.6 | 2.7 | |
| 5.25 | | | | | 6.5 | 3.1 | |
| 5.50 | | | | | 6.5 | 3.0 | |
| 5.75 | | | | | 6.7 | 2.9 | |
| 6.00 | | | | | 6.8 | 2.9 | |

Notes:

Project: SEA **Site:** 3078

Soil Name: No record

Location: GDA 94 ZONE 56 511756 mE 7042058 mN
Location: AGD 84 ZONE 56 511650 mE 7041870 mN

Described By: Barry, Earl

Date: 28-May-1999

Landscape:

Geology: No record

Substrate Lithology: No record

Landform Pattern: alluvial plain

Element: backplain

Runoff: No record

Permeability: No record

Microrelief: No record

Microrelief Component: No record

Drainage: No record

Slope: 0 %

Surface Coarse Fragments: No record

Surface Condition: soft

Classifications:

ASC: Sulfidic, Oxyaquic, HYDROSOL

GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| A11 | 0.00 to 0.15 | Black (10YR21) moist; fibric clay loam, sandy; massive structure; wet when |
| A12 | 0.15 to 0.55 | Black (10YR21) moist; sapric sandy clay loam; massive structure; wet when |
| 2B1 | 0.55 to 1.20 | Light grey (10YR72) moist; few 2-10% medium 5-15mm distinct orange mottles; fine sand; single grain structure; wet when sampled; |
| 2B2h | 1.20 to 3.60 | Very dark greyish brown (10YR32) moist; loamy fine sand; single grain structure; wet when sampled; |
| 3D1 | 3.60 to 4.20 | Grey (N60) moist; few 2-10% medium 5-15mm prominent orange, very few <2% medium 5-15mm prominent red mottles; medium heavy clay; massive structure; moist when sampled; |
| 3D2 | 4.20 to 4.80 | Dark yellowish brown (10YR46) moist; few 2-10% coarse 15-30mm prominent grey, very few <2% medium 5-15mm prominent red mottles; medium heavy clay; massive structure; moist when sampled; |

Field Tests:

| Depth | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.0 | 3.0 | |
| 0.30 | | | | | 3.8 | 2.7 | |
| 0.60 | | | | | 4.0 | 2.1 | |
| 0.80 | | | | | 4.2 | 2.1 | |
| 1.00 | | | | | 4.5 | 2.4 | |
| 1.25 | | | | | 4.1 | 2.2 | |
| 1.50 | | | | | 4.0 | 1.8 | |
| 1.75 | | | | | 4.1 | 1.5 | |
| 2.00 | | | | | 4.1 | 1.8 | |
| 2.25 | | | | | 4.1 | 2.4 | |
| 2.50 | | | | | 4.1 | 2.8 | |
| 2.75 | | | | | 4.0 | 2.4 | |
| 3.00 | | | | | 4.0 | 2.7 | |
| 3.25 | | | | | 4.1 | 2.9 | |
| 3.50 | | | | | 4.0 | 2.0 | |
| 3.75 | | | | | 4.5 | 2.6 | |
| 4.00 | | | | | 4.8 | 2.7 | |
| 4.25 | | | | | 4.8 | 2.6 | |
| 4.50 | | | | | 4.8 | 2.7 | |
| 4.75 | | | | | 5.0 | 2.6 | |

Notes:

Site SUN 015
Site Horizon A11 - Roots
Site Horizon A12 - Roots
Site Horizon 2B1 - Fine organics
Site Horizon 2B2h - Fine organics

Project: SEA

Site: 3080

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

511606 mE
511500 mE

7042388 mN
7042200 mN

Described By: Barry, Earl

Date: 28-May-1999

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: soft

Substrate Lithology: Alluvium
Element: backplain
Permeability: No record
Microrelief Component: No record
Slope: 0 %

Classifications:

ASC: Sulfidic, Redoxic, HYDROSOL
GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| S1 | 0.00 to 0.45 | Black (10YR21) moist; fibric coarse sand; abundant 50-90% subangular charcoal medium pebbles 6-20mm; massive structure; moist when sampled; clear to; |
| A1 | 0.45 to 0.60 | Black (10YR21) moist; clay loam, sandy; massive structure; wet when sampled; clear to; |
| B2 | 0.60 to 0.85 | Very dark grey (10YR31) moist; few 2-10% coarse 15-30mm distinct pale mottles; sandy light clay; massive structure; wet when sampled; clear to; |
| 2C1u | 0.85 to 1.60 | Greyish brown (10YR52) moist; clayey fine sand; single grain structure; wet when sampled; gradual to; |
| 2C2u | 1.60 to 3.50 | Grey (5Y51) moist; clayey fine sand; single grain structure; wet when sampled; diffuse to; |
| 3C3u | 3.50 to 5.20 | Grey (2.5Y51) moist; clayey sand; very few <2% subangular quartz small pebbles 2-6mm; single grain structure; wet when sampled; diffuse to; |
| 4C4u | 5.20 to 7.60 | Dark grey (5Y41) moist; clayey coarse sand; few 2-10% subrounded quartz medium pebbles 6-20mm; single grain structure; wet when sampled; |
| 4C5u | 7.60 to 8.50 | Grey (5Y51) moist; clayey coarse sand; common 10-20% subangular quartz small pebbles 2-6mm, very few <2% subrounded gravel medium pebbles 6-20mm; single grain structure; few 2-10% coarse 6-20mm argillaceous soft segregations; wet when sampled; |
| 5C6u | 8.50 to 10.2 | Grey (5Y51) moist; coarse sand; few 2-10% subangular quartz small pebbles 2-6mm, very few <2% subrounded gravel medium pebbles 6-20mm; single grain structure; wet when sampled; |
| 5C7u | 10.2 to 15.4 | Grey (5Y61) moist; coarse sand; very few <2% subangular quartz medium pebbles 6-20mm; single grain structure; wet when sampled; |
| 6D1 | 15.4 to 15.5 | Light greenish grey (5BG71) moist; few 2-10% medium 5-15mm distinct pale mottles; medium clay; massive structure; moist when sampled; abrupt to; |
| 6D2 | 15.5 to 15.6 | Red (10R46) moist; few 2-10% medium 5-15mm distinct red mottles; medium clay; few 2-10% subangular platy gravel large pebbles 20-60mm; massive structure; very few <2% medium 2-6mm ferruginous concretions; moist when sampled; abrupt to; |
| 6D3 | 15.6 to 15.7 | Light greenish grey (5BG71) moist; few 2-10% medium 5-15mm distinct pale mottles; medium clay; massive structure; moist when sampled; |
| 6D4 | 15.7 to 15.8 | Red (10R46) moist; few 2-10% medium 5-15mm prominent yellow mottles; medium clay; few 2-10% subangular platy gravel large pebbles 20-60mm; many 20-50% coarse 6-20mm ferruginous concretions; |

Project: SEA

Site: 3080

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

511606 mE
511500 mE

7042388 mN
7042200 mN

Described By: Barry, Earl

Date: 28-May-1999

Field Tests:

| Depth | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 5.8 | 3.5 | |
| 0.30 | | | | | 5.9 | 3.9 | |
| 0.60 | | | | | 4.5 | 3.3 | |
| 0.80 | | | | | 4.6 | 3.2 | |
| 1.00 | | | | | 5.2 | 2.0 | |
| 1.50 | | | | | 5.0 | 1.2 | |
| 1.75 | | | | | 4.4 | 1.0 | |
| 2.00 | | | | | 4.6 | 1.1 | |
| 2.25 | | | | | 4.4 | 1.2 | |
| 2.50 | | | | | 4.3 | 1.1 | |
| 2.75 | | | | | 4.5 | 1.3 | |
| 3.00 | | | | | 4.5 | 1.2 | |
| 3.25 | | | | | 4.5 | 1.1 | |
| 3.50 | | | | | 4.5 | 0.9 | |
| 3.75 | | | | | 4.4 | 1.3 | |
| 4.00 | | | | | 4.2 | 1.1 | |
| 4.25 | | | | | 4.3 | 1.2 | |
| 4.50 | | | | | 4.3 | 1.2 | |
| 4.75 | | | | | 4.4 | 1.3 | |
| 5.00 | | | | | 4.1 | 1.4 | |
| 5.50 | | | | | 4.1 | 1.4 | |
| 6.00 | | | | | 4.2 | 1.9 | |
| 6.50 | | | | | 4.3 | 1.4 | |
| 7.00 | | | | | 4.2 | 1.3 | |
| 7.50 | | | | | 4.5 | 1.5 | |
| 8.00 | | | | | 4.6 | 1.6 | |
| 8.50 | | | | | 5.2 | 1.6 | |
| 9.00 | | | | | 5.3 | 1.5 | |
| 9.50 | | | | | 5.3 | 1.7 | |
| 10.00 | | | | | 5.7 | 1.7 | |
| 10.50 | | | | | 5.7 | 1.4 | |
| 11.00 | | | | | 5.9 | 1.8 | |
| 11.50 | | | | | 5.7 | 1.5 | |
| 12.10 | | | | | 5.3 | 1.4 | |
| 12.50 | | | | | 5.6 | 1.4 | |
| 13.00 | | | | | 6.0 | 1.3 | |
| 13.50 | | | | | 6.1 | 1.5 | |
| 14.00 | | | | | 6.5 | 1.2 | |
| 14.50 | | | | | 6.5 | 1.6 | |
| 15.00 | | | | | 6.7 | 1.5 | |
| 15.50 | | | | | 7.0 | 5.9 | |
| 15.60 | | | | | 6.9 | 6.7 | |

Notes:

Site SUN 017
Site Horizon 2C2u - Organic fragments
Site Horizon 3C3u - Organic fragments
Site Horizon 4C4u - Wood fragments at 7.0m. Organic fragments

Project: SEA

Site: 3081

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

512406 mE
512300 mE

7041538 mN
7041350 mN

Described By: Barry, Earl

Date: 06-Jul-1999

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: soft

Substrate Lithology: Alluvium
Element: swamp
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: Sulfuric, Redoxic, HYDROSOL
GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| A11 | 0.00 to 0.10 | Black (10YR21) moist; fibric silty loam; massive structure; wet when sampled; clear to; |
| A12 | 0.10 to 0.45 | Very dark grey (2.5Y31) moist; silty clay loam; massive structure; wet when sampled; abrupt to; |
| B21 | 0.45 to 0.65 | Dark grey (2.5Y41) moist; few 2-10% fine <5mm distinct orange mottles; silty light clay; massive structure; wet when sampled; abrupt to; |
| 2B21ia | 0.65 to 0.95 | Grey (2.5Y51) moist; few 2-10% medium 5-15mm faint pale, very few <2% fine <5mm distinct yellow jarositic (from pyrite) mottles; clayey sand; single grain structure; wet when sampled; gradual to; |
| C1u | 0.95 to 1.20 | Very dark grey (5Y31) moist; silty light clay; massive structure; wet when |
| 2C2u | 1.20 to 2.60 | Dark grey (5Y41) moist; clayey sand; single grain structure; wet when sampled; clear to; |
| 3C3u | 2.60 to 5.40 | Dark greenish grey (10Y31) moist; silty medium clay; few 2-10% angular shell medium pebbles 6-20mm; massive structure; wet when sampled; diffuse to; |
| 4C4u | 5.40 to 6.00 | Dark greenish grey (10Y31) moist; sandy light clay; massive structure; wet when sampled; gradual to; |
| 4C5u | 6.00 to 6.30 | Very dark grey (2.5Y31) moist; clay loam, sandy; massive structure; wet when sampled; |
| 5C6u | 6.30 to 7.00 | Greyish brown (10YR52) moist; sand; single grain structure; wet when sampled; clear to; |
| 5C7u | 7.00 to 7.20 | Dark grey (10YR41) moist; sand; single grain structure; wet when sampled; clear |
| 6C8u | 7.20 to 8.80 | Dark grey (2.5Y41) moist; few 2-10% medium 5-15mm faint dark mottles; silty medium clay; massive structure; wet when sampled; gradual to; |
| 7C9u | 8.80 to 9.10 | Dark grey (2.5Y41) moist; sandy light clay; massive structure; wet when sampled; gradual to; |
| 8C10u | 9.10 to 9.70 | Black (5Y2.51) moist; few 2-10% medium 5-15mm faint dark mottles; silty medium clay; massive structure; wet when sampled; clear to; |
| 9C11u | 9.70 to | Dark grey (2.5Y41) moist; clayey sand; single grain structure; wet when sampled; gradual to; |
| 10C12u | 10.5 to 11.4 | Very dark grey (2.5Y31) moist; sandy clay loam; single grain structure; wet when sampled; gradual to; |
| 11C13u | 11.4 to 12.8 | Grey (2.5Y51) moist; clayey sand; single grain structure; wet when sampled; abrupt to; |
| 12D1 | 12.8 to 12.9 | Greenish grey (5BG61) moist; sandy medium clay; massive structure; moist when sampled; |

Project: SEA

Site: 3081

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

512406 mE
512300 mE

7041538 mN
7041350 mN

Described By: Barry, Earl

Date: 06-Jul-1999

Field Tests:

| Depth | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.7 | 3.5 | |
| 0.30 | | | | | 4.2 | 3.5 | |
| 0.60 | | | | | 4.1 | 2.2 | |
| 0.80 | | | | | 4.0 | 2.2 | |
| 1.00 | | | | | 3.9 | 1.7 | |
| 1.25 | | | | | 4.2 | 1.5 | |
| 1.50 | | | | | 4.5 | 1.4 | |
| 1.75 | | | | | 5.0 | 1.4 | |
| 2.00 | | | | | 5.5 | 1.6 | |
| 2.25 | | | | | 5.0 | 1.5 | |
| 2.50 | | | | | 6.2 | 1.7 | |
| 2.75 | | | | | 6.9 | 1.7 | |
| 3.00 | | | | | 7.3 | 1.6 | |
| 3.25 | | | | | 7.3 | 1.4 | |
| 3.50 | | | | | 7.3 | 1.3 | |
| 3.75 | | | | | 7.5 | 1.5 | |
| 4.00 | | | | | 7.8 | 1.2 | |
| 4.25 | | | | | 8.0 | 1.3 | |
| 4.50 | | | | | 8.1 | 1.2 | |
| 4.75 | | | | | 7.9 | 1.2 | |
| 5.00 | | | | | 7.9 | 1.2 | |
| 5.50 | | | | | 8.0 | 1.1 | |
| 6.00 | | | | | 8.1 | 1.5 | |
| 6.50 | | | | | 7.7 | 1.6 | |
| 7.00 | | | | | 7.6 | 1.5 | |
| 7.50 | | | | | 7.9 | 2.7 | |
| 8.00 | | | | | 7.8 | 2.6 | |
| 8.50 | | | | | 7.6 | 6.8 | |
| 9.00 | | | | | 7.8 | 5.1 | |
| 9.50 | | | | | 8.0 | 2.7 | |
| 10.00 | | | | | 7.8 | 1.0 | |
| 10.60 | | | | | 7.5 | 0.6 | |
| 10.75 | | | | | 7.8 | 1.1 | |
| 11.00 | | | | | 7.6 | 1.7 | |
| 11.50 | | | | | 8.7 | 1.0 | |
| 12.00 | | | | | 8.8 | 1.2 | |
| 12.50 | | | | | 8.4 | 1.5 | |
| 12.85 | | | | | 8.8 | 1.9 | |

Notes:

Site Horizon 4C5u - Organic Root linings
Site Horizon 5C6u - Organic root linings
Site Horizon 5C7u - Fine organics
Site Horizon 10C12u - Fine organics

Project: SEA

Site: 3083

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

510771 mE
510665 mE

7042320 mN
7042132 mN

Described By: Barry, Earl

Date: 08-Jul-1999

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: soft

Substrate Lithology: Alluvium
Element: plain
Permeability: No record
Microrelief Component: No record
Slope: 1 %

Classifications:

ASC: Dermosolic, Redoxic, HYDROSOL
GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| A11 | 0.00 to 0.10 | Black (10YR21) moist; sapric clay loam, sandy; moderate 10-20mm subangular blocky structure; moist when sampled; clear to; |
| A12 | 0.10 to 0.40 | Black (10YR21) moist; light clay; moderate 20-50mm prismatic, moderate 10-20mm subangular blocky structure; very few <2% medium 2-6mm argillaceous concretions; moist when sampled; clear to; |
| B21 | 0.40 to 0.55 | Dark grey (10YR41) moist; few 2-10% fine <5mm prominent orange mottles; light medium clay; moderate 10-20mm subangular blocky structure; moist when sampled; gradual to; |
| C1 | 0.55 to 1.20 | Light brownish grey (10YR62) moist; few 2-10% medium 5-15mm prominent orange mottles; sand; single grain structure; moist when sampled; clear to; |
| D1 | 1.20 to 2.00 | Grey (2.5Y61) moist; few 2-10% medium 5-15mm prominent orange mottles; sandy medium clay; massive structure; moist when sampled; gradual to; |
| D2 | 2.00 to 2.40 | Yellowish brown (10YR56) moist; few 2-10% medium 5-15mm prominent orange mottles; medium heavy clay; massive structure; moist when sampled; |

Field Tests:

| Depth | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 5.6 | 2.5 | |
| 0.30 | | | | | 4.4 | 2.5 | |
| 0.60 | | | | | 4.4 | 2.8 | |
| 0.80 | | | | | 4.1 | 2.4 | |
| 1.00 | | | | | 3.7 | 2.8 | |
| 1.25 | | | | | 4.6 | 3.3 | |
| 1.50 | | | | | 4.6 | 3.2 | |
| 1.75 | | | | | 4.8 | 2.9 | |
| 2.00 | | | | | 4.7 | 2.8 | |
| 2.25 | | | | | 4.6 | 2.8 | |

Notes:

Project: SEA

Site: 3084

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

510306 mE
510200 mE

7041868 mN
7041680 mN

Described By: Barry, Earl

Date: 08-Jul-1999

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: soft

Substrate Lithology: Alluvium
Element: swamp
Permeability: No record
Microrelief Component: No record
Slope: 0.5 %

Classifications:

ASC: Sulfuric, Redoxic, HYDROSOL
GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| A1 | 0.00 to 0.10 | Black (10YR21) moist; sapric clay loam; massive structure; moist when sampled; clear to; |
| B1 | 0.10 to 0.30 | Very dark grey (10YR31) moist; few 2-10% fine <5mm prominent orange mottles; light clay; moderate 10-20mm subangular blocky structure; very few <2% medium 2-6mm argillaceous soft segregations; moist when sampled; clear to; |
| B21 | 0.30 to 0.65 | Very dark grey (2.5Y31) moist; few 2-10% fine <5mm prominent orange mottles; light medium clay; moderate 5-10mm subangular blocky structure; moist when sampled; gradual to; |
| 2C1u | 0.65 to 0.90 | Grey (2.5Y51) moist; few 2-10% medium 5-15mm prominent orange, few 2-10% medium 5-15mm prominent brown mottles; silty light medium clay; massive structure; wet when sampled; gradual to; |
| 2C2u | 0.90 to 1.40 | Dark grey (2.5Y41) moist; very few <2% medium 5-15mm prominent brown mottles; silty light medium clay; massive structure; wet when sampled; gradual to; |
| 3C3u | 1.40 to 2.10 | Very dark grey (5Y31) moist; silty light medium clay; massive structure; wet when sampled; gradual to; |
| 4C4u | 2.10 to 2.80 | Dark grey (5Y41) moist; sandy light clay; massive structure; wet when sampled; clear to; |
| 5D1 | 2.80 to 3.59 | Dark grey (N40) moist; few 2-10% medium 5-15mm prominent orange mottles; medium heavy clay; massive structure; moist when sampled; |

Field Tests:

| Depth | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 5.5 | 2.3 | |
| 0.30 | | | | | 4.4 | 2.2 | |
| 0.60 | | | | | 4.2 | 2.3 | |
| 0.80 | | | | | 4.0 | 2.3 | |
| 1.00 | | | | | 4.3 | 2.2 | |
| 1.25 | | | | | 4.7 | 2.9 | |
| 1.50 | | | | | 4.4 | 1.0 | |
| 1.75 | | | | | 5.1 | 0.9 | |
| 2.00 | | | | | 5.7 | 1.0 | |
| 2.25 | | | | | 5.8 | 0.8 | |
| 2.50 | | | | | 6.0 | 1.2 | |
| 2.75 | | | | | 6.2 | 1.6 | |
| 3.00 | | | | | 6.4 | 3.0 | |
| 3.25 | | | | | 6.6 | 2.8 | |
| 3.50 | | | | | 6.2 | 6.6 | |

Notes:

Site Horizon 2C2u - Organics
Site Horizon 3C3u - Organics
Site Horizon 4C4u - Organics

Project: SEA

Site: 3085

Location: GDA 94 ZONE 56 511876 mE 7040938 mN
Location: AGD 84 ZONE 56 511770 mE 7040750 mN

Described By: Barry, Earl

Date: 08-Jul-1999

Landscape:

Geology: No record

Substrate Lithology: Alluvium

Landform Pattern: alluvial plain

Element: plain

Drainage:

No record **Slope:** 1 %

Classifications:

ASC: Sulfidic, Redoxic, HYDROSOL

GSG: No record

PPF: No record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| A11 | 0.00 to 0.20 | Black (10YR21) moist; sapric clay loam; moderate 5-10mm subangular blocky structure; wet when sampled; |
| A12 | 0.20 to 0.65 | Black (10YR21) moist; few 2-10% fine <5mm prominent brown mottles; clay loam, sandy; moderate 5-10mm subangular blocky structure; wet when sampled; abrupt |
| B21 | 0.65 to 0.75 | Very dark grey (10YR31) moist; very few <2% fine <5mm distinct orange mottles; sandy light medium clay; moderate 5-10mm subangular blocky structure; wet when sampled; abrupt to; |
| 2B21ia | 0.75 to 1.20 | Dark grey (2.5Y41) moist; very few <2% medium 5-15mm prominent yellow jarositic (from pyrite), few 2-10% medium 5-15mm prominent orange mottles; clayey sand; single grain structure; few 2-10% medium 2-6mm ferruginous concretions; wet when sampled; |
| 2C1 | 1.20 to 1.65 | Grey (2.5Y51) moist; clayey sand; single grain structure; wet when sampled; gradual to; |
| 2C2 | 1.65 to 1.75 | Dark yellowish brown (10YR44) moist; clayey sand; common 10-20% subangular platy medium pebbles 6-20mm; single grain structure; wet when sampled; clear |
| 3C3u | 1.75 to 2.00 | Dark grey (5Y41) moist; sandy light clay; massive structure; wet when sampled; |
| 4C4u | 2.00 to 3.00 | Dark greenish grey (10Y31) moist; silty light medium clay; massive structure; wet when sampled; |
| 5C5u | 3.00 to 5.10 | Very dark grey (N30) moist; silty light medium clay; very few <2% subangular shell medium pebbles 6-20mm; massive structure; wet when sampled; diffuse to; |
| 5C6u | 5.10 to 6.00 | Very dark grey (N30) moist; silty light medium clay; massive structure; wet when sampled; clear to; |
| 6C7u | 6.00 to 7.20 | Grey (2.5Y51) moist; clayey sand; very few <2% subrounded quartz small pebbles 2-6mm; single grain structure; wet when sampled; clear to; |
| 7D1 | 7.20 to 8.40 | Very dark grey (5Y31) moist; few 2-10% coarse 15-30mm faint brown mottles; clay loam, sandy; massive structure; wet when sampled; |
| 8D2 | 8.40 to 8.47 | Dark grey (2.5Y41) moist; clay loam; |

Field Tests:

| Depth | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.8 | 3.6 | |
| 0.30 | | | | | 4.4 | 3.7 | |
| 0.60 | | | | | 4.3 | 3.7 | |
| 0.80 | | | | | 4.3 | 2.7 | |
| 1.00 | | | | | 4.8 | 2.2 | |
| 1.25 | | | | | 5.6 | 2.3 | |
| 1.50 | | | | | 5.8 | 2.0 | |
| 1.75 | | | | | 6.1 | 2.3 | |
| 2.00 | | | | | 6.4 | 1.5 | |
| 2.25 | | | | | 6.5 | 1.4 | |
| 2.50 | | | | | 6.6 | 1.4 | |
| 3.00 | | | | | 6.9 | 1.5 | |
| 3.50 | | | | | 7.2 | 2.3 | |
| 4.00 | | | | | 7.5 | 1.7 | |
| 4.50 | | | | | 7.6 | 1.9 | |
| 5.00 | | | | | 7.7 | 1.3 | |
| 5.50 | | | | | 8.0 | 1.5 | |
| 6.00 | | | | | 7.8 | 1.0 | |
| 6.50 | | | | | 7.7 | 1.5 | |
| 7.00 | | | | | 7.8 | 1.1 | |
| 7.50 | | | | | 7.5 | 5.7 | |
| 8.00 | | | | | 7.5 | 6.0 | |
| 8.45 | | | | | 8.3 | 7.9 | |

Project: SEA

Site: 3086

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

510206 mE
510100 mE

7041138 mN
7040950 mN

Described By: Barry, Earl

Date: 09-Jul-1999

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: soft

Substrate Lithology: Alluvium
Element: swamp
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: Dermosolic, Redoxic, HYDROSOL
GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| S1 | 0.00 to 0.10 | Greyish brown (10YR52) moist; common 10-20% coarse 15-30mm distinct orange mottles; medium heavy clay; moderate structure; sharp to; |
| A11 | 0.10 to 0.30 | Black (10YR21) moist; medium heavy clay; moderate 10-20mm angular blocky structure; wet when sampled; clear to; |
| B21 | 0.30 to 0.55 | Very dark grey (10YR31) moist; few 2-10% fine <5mm distinct orange mottles; medium heavy clay; moderate structure; wet when sampled; gradual to; |
| B22 | 0.55 to 0.90 | Dark grey (10YR41) moist; few 2-10% medium 5-15mm distinct orange mottles; medium heavy clay; massive structure; wet when sampled; |
| C1 | 0.90 to 1.30 | Grey (2.5Y51) moist; clay loam, sandy; massive structure; wet when sampled; clear to; |
| D1 | 1.30 to 1.70 | Grey (10YR61) moist; few 2-10% coarse 15-30mm distinct dark, very few <2% medium 5-15mm prominent yellow mottles; medium heavy clay; massive structure; moist when sampled; clear to; |
| D2 | 1.70 to 2.40 | White (10YR81) moist; common 10-20% medium 5-15mm prominent yellow, very few <2% medium 5-15mm prominent red mottles; medium heavy clay; moist when sampled; |

Field Tests:

| Depth | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.6 | 2.9 | |
| 0.30 | | | | | 4.8 | 2.8 | |
| 0.60 | | | | | 4.6 | 3.0 | |
| 0.80 | | | | | 4.4 | 3.2 | |
| 1.00 | | | | | 4.7 | 3.1 | |
| 1.25 | | | | | 4.4 | 3.1 | |
| 1.50 | | | | | 4.2 | 3.0 | |
| 1.75 | | | | | 4.0 | 2.7 | |
| 2.00 | | | | | 4.1 | 2.6 | |
| 2.25 | | | | | 4.0 | 2.6 | |

Notes:

Project: SEA

Site: 3087

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

509606 mE
509500 mE

7041358 mN
7041170 mN

Described By: Barry, Earl

Date: 09-Jul-1999

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: soft

Substrate Lithology: No record
Element: plain
Permeability: No record
Microrelief Component: No record
Slope: 0.5 %

Classifications:

ASC: HYDROSOL
GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| S1 | 0.00 to 0.08 | Clay loam; massive structure; moist when sampled; sharp to; |
| A11 | 0.08 to 0.25 | Black (10YR21) moist; very few <2% fine <5mm faint orange mottles; medium heavy clay; moderate structure; wet when sampled; clear to; |
| B21 | 0.25 to 0.45 | Very dark grey (10YR31) moist; few 2-10% medium 5-15mm prominent orange mottles; medium heavy clay; moderate structure; wet when sampled; gradual to; |
| B22 | 0.45 to 1.00 | Dark grey (10YR41) moist; few 2-10% medium 5-15mm prominent orange, very few <2% medium 5-15mm prominent red mottles; medium heavy clay; massive structure; very few <2% fine <2mm ferruginous concretions; wet when sampled; |
| 2B21i | 1.00 to 1.45 | Grey (10YR51) moist; few 2-10% medium 5-15mm prominent yellow mottles; sandy light clay; massive structure; wet when sampled; gradual to; |
| 2B22i | 1.45 to 1.65 | Light olive brown (2.5Y56) moist; few 2-10% medium 5-15mm prominent grey mottles; clay loam, sandy; massive structure; wet when sampled; gradual to; |
| 2C1i | 1.65 to 2.30 | Grey (2.5Y51) moist; clayey sand; massive structure; wet when sampled; |
| 3D1 | 2.30 to 2.65 | Dark olive brown (2.5Y34) moist; few 2-10% coarse 15-30mm distinct brown mottles; sandy medium clay; massive structure; moist when sampled; |
| 3D2 | 2.65 to 3.15 | Grey (N50) moist; few 2-10% medium 5-15mm prominent brown mottles; sandy medium clay; massive structure; moist when sampled; |
| 3D3 | 3.15 to 3.50 | Grey (N50) moist; few 2-10% coarse 15-30mm prominent red mottles; sandy medium clay; massive structure; moist when sampled; |

Field Tests:

| Depth | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 5.6 | 2.5 | |
| 0.30 | | | | | 4.4 | 3.3 | |
| 0.60 | | | | | 4.2 | 3.2 | |
| 0.80 | | | | | 4.1 | 2.8 | |
| 1.00 | | | | | 4.1 | 2.6 | |
| 1.25 | | | | | 4.0 | 2.3 | |
| 1.50 | | | | | 3.3 | 1.9 | |
| 1.75 | | | | | 3.9 | 2.0 | |
| 2.00 | | | | | 4.2 | 1.9 | |
| 2.25 | | | | | 4.6 | 1.9 | |
| 2.50 | | | | | 5.3 | 2.6 | |
| 2.75 | | | | | 5.7 | 2.8 | |
| 3.00 | | | | | 5.7 | 3.2 | |
| 3.25 | | | | | 5.2 | 3.3 | |
| 3.50 | | | | | 5.5 | 3.5 | |

Notes:

Site Drilled to 4.8m unable to recover from tube

Project: SEA

Site: 3088

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

509756 mE
509650 mE

7041038 mN
7040850 mN

Described By: Smith, CD (Doug)

Date: 09-Jul-1999

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: Alluvium
Element: swamp
Permeability: No record
Microrelief Component: No record
Slope: 1 %

Classifications:

ASC: Sulfuric, Redoxic, HYDROSOL

GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| A11 | 0.00 to 0.25 | Black (10YR21) moist; sapric light clay; moderate structure; moist when sampled; clear to; |
| B1 | 0.25 to 0.70 | Very dark grey (2.5Y31) moist; few 2-10% medium 5-15mm distinct brown mottles; light clay; moderate structure; moist when sampled; gradual to; |
| B21 | 0.70 to 1.65 | Grey (2.5Y51) moist; many 20-50% medium 5-15mm prominent orange mottles; medium heavy clay; massive structure; moist when sampled; gradual to; |
| 2B21 | 1.65 to 1.85 | Grey (2.5Y51) moist; few 2-10% medium 5-15mm prominent yellow jarositic (from pyrite) mottles; silty medium heavy clay; massive structure; moist when sampled; clear to; |
| 3C1u | 1.85 to 2.00 | Dark grey (10YR41) moist; clay loam, sandy; massive structure; wet when sampled; clear to; |
| 4C2u | 2.00 to 2.70 | Grey (10YR51) moist; sandy clay loam; single grain structure; wet when sampled; clear to; |
| 5D1 | 2.70 to 3.20 | Grey (N50) moist; few 2-10% medium 5-15mm distinct yellow mottles; sandy medium clay; massive structure; moist when sampled; gradual to; |
| 6D2 | 3.20 to 3.59 | Grey (N50) moist; common 10-20% coarse 15-30mm prominent red mottles; medium heavy clay; massive structure; few 2-10% medium 2-6mm ferruginous concretions; moist when sampled; |

Field Tests:

| Depth | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 5.0 | 3.5 | |
| 0.30 | | | | | 4.8 | 3.6 | |
| 0.60 | | | | | 4.2 | 2.6 | |
| 0.80 | | | | | 3.9 | 2.4 | |
| 1.00 | | | | | 3.7 | 2.6 | |
| 1.25 | | | | | 3.4 | 2.1 | |
| 1.50 | | | | | 3.3 | 1.8 | |
| 1.75 | | | | | 3.2 | 1.6 | |
| 2.00 | | | | | 3.4 | 2.2 | |
| 2.25 | | | | | 3.4 | 1.9 | |
| 2.50 | | | | | 4.4 | 2.3 | |
| 2.75 | | | | | 5.2 | 2.4 | |
| 3.00 | | | | | 5.5 | 2.6 | |
| 3.25 | | | | | 5.5 | 3.0 | |
| 3.50 | | | | | 5.6 | 3.0 | |

Notes:

Project: SEA

Site: 3089

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

508466 mE
508360 mE

7041338 mN
7041150 mN

Described By: Barry, Earl

Date: 09-Jul-1999

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: soft

Substrate Lithology: Alluvium
Element: swamp
Permeability: No record
Microrelief Component: No record
Slope: 0 %

Classifications:

ASC: Epipedal, Grey, VERTOSOL
GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| A11 | 0.00 to 0.08 | Very dark greyish brown (10YR32) moist; medium clay; moderate structure; moist when sampled; clear to; |
| B21 | 0.08 to 0.40 | Dark greyish brown (10YR42) moist; very few <2% fine <5mm distinct orange mottles; medium heavy clay; moderate 10-20mm subangular blocky structure; moist when sampled; clear to; |
| B22 | 0.40 to 1.05 | Dark grey (10YR41) moist; very few <2% fine <5mm distinct orange mottles; medium heavy clay; moderate structure; moist when sampled; gradual to; |
| B23 | 1.05 to 1.95 | Dark grey (2.5Y41) moist; few 2-10% medium 5-15mm prominent red, very few <2% medium 5-15mm prominent orange mottles; medium heavy clay; moderate structure; moist when sampled; |
| 2B21 | 1.95 to 2.45 | Yellowish brown (10YR56) moist; very few <2% coarse 15-30mm faint brown mottles; clayey sand; very few <2% subangular quartz small pebbles 2-6mm; single grain structure; wet when sampled; |
| 2B22u | 2.45 to 3.20 | Black (5Y2.51) moist; very few <2% medium 5-15mm prominent orange mottles; silty medium clay; massive structure; moist when sampled; |
| 3C1u | 3.20 to 3.90 | Dark grey (5Y41) moist; sandy light clay; massive structure; wet when sampled; |
| 3C2u | 3.90 to 4.15 | Dark grey (5Y41) moist; sandy light clay; few 2-10% subangular charcoal large pebbles 20-60mm; massive structure; few 2-10% coarse 6-20mm ferruginous concretions; wet when sampled; |
| 4D1 | 4.15 to 4.40 | Grey (2.5Y51) moist; very few <2% medium 5-15mm faint grey mottles; medium heavy clay; very few <2% subangular charcoal large pebbles 20-60mm; massive structure; few 2-10% coarse 6-20mm argillaceous fragments; moist when sampled; |
| 5D2 | 4.40 to 4.80 | Grey (2.5Y51) moist; few 2-10% coarse 15-30mm prominent red mottles; medium heavy clay; massive structure; moist when sampled; |

Field Tests:

| Depth | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 5.4 | 5.3 | |
| 0.30 | | | | | 5.1 | 3.5 | |
| 0.60 | | | | | 4.5 | 2.6 | |
| 0.80 | | | | | 4.5 | 2.4 | |
| 1.00 | | | | | 4.5 | 2.6 | |
| 1.25 | | | | | 4.5 | 2.5 | |
| 1.50 | | | | | 4.6 | 2.4 | |
| 1.75 | | | | | 4.7 | 2.6 | |
| 2.00 | | | | | 4.9 | 2.8 | |
| 2.25 | | | | | 5.2 | 2.5 | |
| 2.50 | | | | | 5.2 | 2.2 | |
| 2.75 | | | | | 5.7 | 1.5 | |
| 3.00 | | | | | 6.8 | 1.8 | |
| 3.25 | | | | | 6.6 | 2.1 | |
| 3.75 | | | | | 6.6 | 2.8 | |
| 4.00 | | | | | 6.6 | 1.9 | |
| 4.25 | | | | | 6.3 | 3.1 | |
| 4.50 | | | | | 6.6 | 2.9 | |
| 4.75 | | | | | 6.1 | 3.3 | |

Project: SEA

Site: 3090

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56 507356 mE
ZONE 56 507250 mE

7040138 mN
7039950 mN

Described By: Barry, Earl

Date: 13-Jul-1999

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: firm

Substrate Lithology: Alluvium
Element: plain
Permeability: No record
Microrelief Component: No record
Slope: 0.5 %

Classifications:

ASC: HYDROSOL
GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| S1 | 0.00 to 0.25 | Dark brown (10YR33) moist; light clay; massive structure; moist when sampled; |
| A11 | 0.25 to 0.50 | Black (10YR21) moist; sapric light clay; moderate 5-10mm subangular blocky structure; moist when sampled; |
| B21 | 0.50 to 0.90 | Greyish brown (2.5Y53) moist; few 2-10% medium 5-15mm prominent orange mottles; sandy light clay; massive structure; moist when sampled; gradual to; |
| D1 | 0.90 to 1.55 | Light brownish grey (2.5Y62) moist; common 10-20% medium 5-15mm prominent orange mottles; clayey sand; single grain structure; wet when sampled; |
| D2 | 1.55 to 1.95 | Grey (2.5Y61) moist; common 10-20% medium 5-15mm prominent orange mottles; clayey sand; single grain structure; wet when sampled; |
| D3 | 1.95 to 2.10 | Yellowish brown (10YR56) moist; clayey sand; massive structure; wet when |
| 2D1 | 2.10 to 2.90 | Dark grey (5Y41) moist; few 2-10% medium 5-15mm prominent brown, very few <2% medium 5-15mm prominent orange mottles; medium heavy clay; massive structure; moist when sampled; |
| 3D2 | 2.90 to 3.90 | Grey (5Y51) moist; very few <2% coarse 15-30mm prominent brown mottles; medium heavy clay; massive structure; moist when sampled; |
| 4D3 | 3.90 to 4.20 | Grey (2.5Y51) moist; few 2-10% coarse 15-30mm faint grey mottles; sandy light clay; massive structure; few 2-10% coarse 6-20mm ferruginous concretions; moist when sampled; |

Field Tests:

| Depth | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 5.1 | 3.7 | |
| 0.30 | | | | | 5.6 | 3.8 | |
| 0.60 | | | | | 5.7 | 4.6 | |
| 0.80 | | | | | 5.6 | 4.6 | |
| 1.00 | | | | | 5.7 | 4.6 | |
| 1.25 | | | | | 5.7 | 4.8 | |
| 1.50 | | | | | 5.4 | 4.2 | |
| 1.75 | | | | | 5.9 | 3.8 | |
| 2.00 | | | | | 6.1 | 3.2 | |
| 2.25 | | | | | 6.0 | 3.6 | |
| 2.50 | | | | | 5.7 | 3.4 | |
| 2.75 | | | | | 5.9 | 3.4 | |
| 3.00 | | | | | 5.7 | 3.6 | |
| 3.25 | | | | | 5.3 | 3.5 | |
| 3.50 | | | | | 5.1 | 3.4 | |
| 3.75 | | | | | 4.9 | 3.5 | |
| 4.00 | | | | | 5.2 | 3.6 | |
| 4.20 | | | | | 5.3 | 3.7 | |

Notes:

Location Site on Sattler Rd, between cane blocks 200m SW of first channel
Site Horizon D2 - Clay lens @1.7m

Project: SEA

Site: 3091

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

507506 mE
507400 mE

7039888 mN
7039700 mN

Described By: Barry, Earl

Date: 14-Jul-1999

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: Alluvium
Element: plain
Permeability: No record
Microrelief Component: No record
Slope: 0.5 %

Classifications:

ASC: VERTOSOL / Grey, VERTOSOL

GSG: No record

PPF: No record / No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| Ap | 0.00 to 0.10 | Very dark grey (10YR31) moist; medium heavy clay; massive structure; moist when sampled; clear to; |
| B21 | 0.10 to 0.40 | Dark greyish brown (2.5Y42) moist; common 10-20% medium 5-15mm prominent orange mottles; heavy clay; massive structure; moist when sampled; gradual to; |
| B22 | 0.40 to 1.05 | Greyish brown (2.5Y52) moist; common 10-20% fine <5mm prominent orange mottles; heavy clay; massive structure; moist when sampled; clear to; |
| C1 | 1.05 to 1.65 | Greyish brown (10YR52) moist; clay loam, sandy; massive structure; wet when sampled; gradual to; |
| 2D1 | 1.65 to 3.50 | Grey (2.5Y51) moist; few 2-10% coarse 15-30mm prominent orange, few 2-10% coarse 15-30mm prominent red mottles; heavy clay; massive structure; very few <2% medium 2-6mm ferruginous concretions; moist when sampled; |

Field Tests:

| Depth | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.5 | 3.3 | |
| 0.30 | | | | | 4.8 | 3.6 | |
| 0.60 | | | | | 4.7 | 3.3 | |
| 0.80 | | | | | 4.9 | 3.4 | |
| 1.00 | | | | | 4.9 | 3.4 | |
| 1.25 | | | | | 5.1 | 3.7 | |
| 1.50 | | | | | 5.1 | 3.7 | |
| 1.75 | | | | | 4.9 | 3.5 | |
| 2.00 | | | | | 4.9 | 3.3 | |
| 2.25 | | | | | 4.8 | 3.4 | |
| 3.50 | | | | | 4.5 | 3.2 | |

Notes:

Location Cane block west of shed
Observation Too wet to see structure but expect Vertosol
Site Horizon 2D1 - 2.5m to 3.3m sample stuck in tube

Project: SEA

Site: 3092

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

507786 mE
507680 mE

7040108 mN
7039920 mN

Described By: Barry, Earl

Date: 14-Jul-1999

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: firm

Substrate Lithology: No record
Element: plain
Permeability: No record
Microrelief Component: No record
Slope: 1 %

Classifications:

ASC: Grey, DERMOSOL
GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| A11p | 0.00 to 0.05 | Very dark greyish brown (10YR32) moist; clay loam, sandy; massive structure; moderately moist when sampled; clear to; |
| B2 | 0.05 to 0.40 | Dark greyish brown (10YR42) moist; sandy light clay; strong 5-10mm subangular blocky structure; moist when sampled; gradual to; |
| D1 | 0.40 to 0.90 | Dark yellowish brown (10YR44) moist; few 2-10% fine <5mm prominent red mottles; medium clay; strong 10-20mm prismatic, strong 2-5mm subangular blocky structure; few 2-10% fine <2mm ferromanganiferous concretions; gradual to; |
| D2 | 0.90 to 1.50 | Olive brown (2.5Y46) moist; many 20-50% coarse 15-30mm prominent brown mottles; medium clay; strong 5-10mm subangular blocky structure; many 20-50% medium 2-6mm ferromanganiferous concretions; moist when sampled; |
| D3 | 1.50 to 3.40 | Light grey (10YR71) moist; many 20-50% coarse 15-30mm prominent red mottles; medium heavy clay; massive structure; common 10-20% coarse 6-20mm ferromanganiferous concretions; moderately moist when sampled; |

Field Tests:

| Depth | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 5.7 | 2.6 | |
| 0.30 | | | | | 4.6 | 3.2 | |
| 0.60 | | | | | 4.9 | 3.5 | |
| 0.80 | | | | | 5.1 | 3.6 | |
| 1.00 | | | | | 4.7 | 3.4 | |
| 1.25 | | | | | 4.5 | 3.4 | |
| 1.50 | | | | | 4.6 | 3.0 | |
| 1.75 | | | | | 4.5 | 3.0 | |
| 2.00 | | | | | 4.5 | 3.0 | |
| 2.25 | | | | | 4.5 | 3.1 | |
| 2.75 | | | | | 4.5 | 3.4 | |
| 3.00 | | | | | 4.5 | 3.3 | |
| 3.25 | | | | | 4.6 | 3.2 | |

Notes:

Observation Site slightly higher area - residual Pleistocene hill/ridge

Project: SEA

Site: 3093

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

508106 mE
508000 mE

7041038 mN
7040850 mN

Described By: Barry, Earl

Date: 14-Jul-1999

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: soft

Substrate Lithology: Alluvium
Element: levee
Permeability: No record
Microrelief Component: No record
Slope: 1 %

Classifications:

ASC: Grey, VERTOSOL
GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| A11 | 0.00 to 0.15 | Very dark grey (10YR31) moist; light clay; massive structure; moist when sampled; clear to; |
| B21 | 0.15 to 0.45 | Dark greyish brown (10YR42) moist; few 2-10% medium 5-15mm prominent brown mottles; medium heavy clay; moderate 5-10mm subangular blocky structure; few 2-10% fine <2mm ferromanganiferous concretions; moist when sampled; gradual |
| B22 | 0.45 to 1.55 | Grey (10YR51) moist; common 10-20% medium 5-15mm prominent orange, few 2-10% medium 5-15mm prominent brown mottles; fine sandy medium heavy clay; moderate 5-10mm subangular blocky structure; moist when sampled; gradual to; |
| 2B21 | 1.55 to 1.75 | Dark grey (10YR41) moist; common 10-20% very coarse >30mm prominent orange mottles; sandy medium clay; massive structure; moist when sampled; clear to; |
| 2B22 | 1.75 to 3.20 | Dark grey (10YR41) moist; common 10-20% medium 5-15mm prominent orange mottles; medium heavy clay; moderate structure; very few <2% fine <2mm ferromanganiferous concretions; moist when sampled; |
| 3D1 | 3.20 to 4.50 | Grey (10YR51) moist; common 10-20% coarse 15-30mm prominent orange mottles; fine sandy light medium clay; massive structure; common 10-20% coarse 6-20mm ferromanganiferous concretions; moist when sampled; |
| 4D2 | 4.50 to 5.00 | Grey (2.5Y51) moist; common 10-20% coarse 15-30mm distinct brown mottles; fine sandy medium clay; massive structure; moist when sampled; |
| 5D3 | 5.00 to 5.80 | Grey (5Y51) moist; common 10-20% very coarse >30mm prominent brown mottles; sandy loam; massive structure; wet when sampled; gradual to; |
| 6D4 | 5.80 to 6.03 | Grey (5Y51) moist; clay loam, sandy; massive structure; wet when sampled; |

Field Tests:

| Depth | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 6.4 | 6.4 | |
| 0.30 | | | | | 6.7 | 5.9 | |
| 0.60 | | | | | 5.2 | 3.8 | |
| 0.80 | | | | | 5.3 | 3.8 | |
| 1.00 | | | | | 4.7 | 3.4 | |
| 1.25 | | | | | 4.6 | 3.6 | |
| 1.50 | | | | | 4.7 | 3.3 | |
| 1.75 | | | | | 4.9 | 3.4 | |
| 2.00 | | | | | 4.7 | 3.7 | |
| 2.25 | | | | | 4.8 | 3.6 | |
| 2.50 | | | | | 4.7 | 3.8 | |
| 2.75 | | | | | 4.6 | 4.0 | |
| 3.00 | | | | | 4.7 | 3.9 | |
| 3.25 | | | | | 4.8 | 3.7 | |
| 3.50 | | | | | 4.9 | 3.6 | |
| 4.25 | | | | | 4.9 | 3.9 | |
| 4.75 | | | | | 5.6 | 3.9 | |
| 5.00 | | | | | 6.3 | 5.2 | |
| 5.50 | | | | | 6.6 | 4.0 | |
| 6.00 | | | | | 6.6 | 4.2 | |

Project: SEA

Site: 3094

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

509954 mE
509848 mE

7039609 mN
7039421 mN

Described By: Barry, Earl

Date: 15-Jul-1999

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: Alluvium
Element: plain
Permeability: No record
Microrelief Component: No record
Slope: 0.5 %

Classifications:

ASC: ANTHROPOSOL

GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| S1 | 0.00 to 0.30 | Dark brown (10YR33) moist; sapric coarse sandy clay loam; many 20-50% angular gravel large pebbles 20-60mm; moist when sampled; clear to; |
| A11 | 0.30 to 0.65 | Black (10YR21) moist; very few <2% medium 5-15mm prominent orange mottles; light medium clay; moderate 5-10mm subangular blocky structure; moist when sampled; clear to; |
| B21 | 0.65 to 0.90 | Dark grey (10YR41) moist; very few <2% fine <5mm prominent orange mottles; medium clay; moderate structure; moist when sampled; clear to; |
| 2B21 | 0.90 to 2.00 | Greyish brown (2.5Y52) moist; few 2-10% medium 5-15mm prominent brown mottles; light clay; massive structure; moist when sampled; diffuse to; |
| 2D1 | 2.00 to 3.10 | Grey (10YR61) moist; very few <2% coarse 15-30mm faint brown mottles; sand; single grain structure; wet when sampled; gradual to; |
| 2D2 | 3.10 to 4.10 | Light grey (10YR71) moist; clayey coarse sand; few 2-10% subangular gravel small pebbles 2-6mm; single grain structure; clear to; |
| 3D1 | 4.10 to 4.35 | Grey (10YR51) moist; common 10-20% medium 5-15mm prominent yellow, few 2-10% medium 5-15mm prominent pale, few 2-10% medium 5-15mm prominent brown mottles; sandy medium heavy clay; few 2-10% subangular gravel small pebbles 2-6mm; massive structure; wet when sampled; clear to; |
| 4D2 | 4.35 to 4.75 | Grey (10YR51) moist; few 2-10% fine <5mm prominent yellow mottles; sandy medium heavy clay; massive structure; moist when sampled; clear to; |
| 5D3 | 4.75 to 4.80 | Brownish yellow (10YR66) moist; few 2-10% medium 5-15mm prominent grey mottles; sandy medium heavy clay; massive structure; moist when sampled; |

Field Tests:

| Depth | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 6.4 | 4.1 | |
| 0.35 | | | | | 5.3 | 2.6 | |
| 0.60 | | | | | 4.5 | 1.9 | |
| 0.80 | | | | | 5.0 | 1.8 | |
| 1.00 | | | | | 4.3 | 2.2 | |
| 1.25 | | | | | 3.7 | 2.3 | |
| 1.50 | | | | | 3.7 | 2.2 | |
| 1.75 | | | | | 4.3 | 2.6 | |
| 2.00 | | | | | 4.5 | 2.9 | |
| 2.25 | | | | | 4.5 | 2.7 | |
| 2.50 | | | | | 5.3 | 2.6 | |
| 2.75 | | | | | 5.3 | 2.6 | |
| 3.00 | | | | | 5.1 | 2.5 | |
| 3.25 | | | | | 5.1 | 2.6 | |
| 3.50 | | | | | 5.2 | 2.9 | |
| 3.75 | | | | | 5.3 | 3.0 | |
| 4.00 | | | | | 5.4 | 2.7 | |
| 4.25 | | | | | 5.4 | 3.0 | |
| 4.50 | | | | | 5.4 | 2.9 | |
| 4.75 | | | | | 5.4 | 2.8 | |

Project: SEA

Site: 3095

Soil Name: No record

Location: GDA 94

ZONE 56 512156 mE

7044078 mN

Location: AGD 84

ZONE 56 512050 mE

7043890 mN

Described By: Barry, Earl

Date: 15-Jul-1999

Landscape:

Geology: No record

Substrate Lithology: Alluvium

Landform Pattern: alluvial plain

Element: swamp

Runoff: No record

Permeability: No record

Surface Coarse Fragments:

No record

Surface Condition: soft

Classifications:

ASC: Aquic, PODOSOL

GSG: No record

PPF: No record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| A11 | 0.00 to 0.22 | Black (10YR21) moist; sapric clay loam, sandy; moderate structure; clear to; |
| A2e | 0.22 to 0.55 | Light grey (10YR72) moist; common 10-20% coarse 15-30mm faint brown mottles; sand; single grain structure; wet when sampled; clear to; |
| B2hs | 0.55 to 1.10 | Black (10YR21) moist; loamy sand; massive structure; many 20-50% coarse 6-20mm ferruginous-organic fragments; wet when sampled; gradual to; |
| B3 | 1.10 to 2.30 | Dark brown (7.5YR32) moist; loamy sand; single grain structure; few 2-10% coarse 6-20mm ferruginous-organic fragments; wet when sampled; clear to; |
| 2C1u | 2.30 to 2.50 | Very dark greyish brown (2.5Y32) moist; fine sandy medium clay; massive structure; moist when sampled; clear to; |
| 3C2u | 2.50 to 2.75 | Very dark grey (5Y31) moist; fine sandy light clay; massive structure; wet when sampled; gradual to; |
| 4C3u | 2.75 to 3.30 | Grey (5Y51) moist; sand; single grain structure; wet when sampled; gradual to; |
| 4C4u | 3.30 to 4.30 | Olive grey (5Y52) moist; sand; single grain structure; wet when sampled; gradual to; |
| 4C5u | 4.30 to 4.50 | Very dark grey (5Y31) moist; heavy clayey sand; very few <2% subangular quartz small pebbles 2-6mm; single grain structure; wet when sampled; gradual to; |
| 5C6u | 4.50 to 4.80 | Dark greyish brown (2.5Y43) moist; very few <2% medium 5-15mm faint brown mottles; sandy light clay; massive structure; moist when sampled; gradual to; |
| 6D1 | 4.80 to 5.40 | Grey (2.5Y51) moist; sandy light clay; massive structure; wet when sampled; gradual to; |
| 6D2 | 5.40 to 5.70 | Grey (2.5Y61) moist; sandy heavy clay; massive structure; moist when sampled; |

Field Tests:

| Depth | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.8 | 3.7 | |
| 0.30 | | | | | 4.9 | 3.5 | |
| 0.60 | | | | | 4.5 | 3.1 | |
| 0.80 | | | | | 5.0 | 2.6 | |
| 1.00 | | | | | 5.6 | 2.4 | |
| 1.25 | | | | | 5.6 | 3.8 | |
| 1.50 | | | | | 5.4 | 4.1 | |
| 1.75 | | | | | 5.4 | 3.5 | |
| 2.00 | | | | | 5.3 | 3.7 | |
| 2.25 | | | | | 5.3 | 3.3 | |
| 2.50 | | | | | 5.2 | 3.5 | |
| 2.75 | | | | | 5.2 | 1.3 | |
| 3.00 | | | | | 5.9 | 1.5 | |
| 3.50 | | | | | 4.9 | 1.6 | |
| 3.75 | | | | | 5.0 | 1.5 | |
| 4.00 | | | | | 5.0 | 1.5 | |
| 4.25 | | | | | 5.1 | 1.6 | |
| 4.50 | | | | | 5.4 | 0.6 | |
| 4.75 | | | | | 5.7 | 2.8 | |
| 5.00 | | | | | 5.6 | 2.7 | |
| 5.25 | | | | | 5.6 | 2.3 | |
| 5.50 | | | | | 5.7 | 3.5 | |

Notes:

Location

Site west of Parrearra channel near small E-W drain

Project: SEA

Site: 3096

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

511687 mE
511581 mE

7045350 mN
7045162 mN

Described By: Barry, Earl

Date: 16-Jul-1999

Landscape:

Geology: No record

Landform Pattern: alluvial plain

Runoff: No record

Microrelief: No record

Drainage: No record

Surface Coarse Fragments: No record

Surface Condition: soft

Substrate Lithology: Alluvium

Element: swamp

Permeability: No record

Microrelief Component: No record

Slope: 0 %

Classifications:

ASC: Redoxic, HYDROSOL

GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| A11 | 0.00 to 0.25 | Black (10YR21) moist; sapric clay loam; moderate 10-20mm subangular blocky structure; wet when sampled; clear to; |
| B21 | 0.25 to 0.50 | Dark grey (10YR41) moist; many 20-50% medium 5-15mm prominent orange mottles; light medium clay; moderate 2-5mm subangular blocky structure; very few <2% fine <2mm ferruginous soft segregations; wet when sampled; clear to; |
| B22 | 0.50 to 0.80 | Dark grey (10YR41) moist; common 10-20% coarse 15-30mm prominent orange mottles; fine sandy light medium clay; massive structure; wet when sampled; clear to; |
| C1 | 0.80 to 1.10 | Dark grey (2.5Y41) moist; sandy clay loam; massive structure; wet when sampled; clear to; |
| 2B21h | 1.10 to 1.15 | Very dark brown (10YR22) moist; loamy sand; massive structure; moderately cemented discontinuous ortstein; wet when sampled; abrupt to; |
| 2B22hs | 1.15 to 1.80 | Very dark brown (10YR22) moist; loamy sand; massive structure; wet when sampled; abrupt to; |
| 3D1 | 1.80 to 2.10 | Brown (7.5YR44) moist; loamy sand; massive structure; common 10-20% very coarse 20-60mm ferruginous-organic fragments; wet when sampled; abrupt to; |
| 3D2 | 2.10 to 2.60 | Brown (10YR43) moist; many 20-50% coarse 15-30mm distinct dark mottles; sandy loam; massive structure; moist when sampled; clear to; |
| 3D3 | 2.60 to 2.90 | Greyish brown (2.5Y52) moist; common 10-20% coarse 15-30mm faint brown mottles; sandy clay loam; massive structure; wet when sampled; clear to; |
| 4D4 | 2.90 to 3.30 | Light olive grey (5Y62) moist; sandy medium heavy clay; massive structure; moist when sampled; |

Field Tests:

| Depth | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 5.4 | 1.8 | |
| 0.30 | | | | | 3.9 | 2.3 | |
| 0.60 | | | | | 3.6 | 2.0 | |
| 0.80 | | | | | 4.0 | 1.9 | |
| 1.00 | | | | | 4.1 | 1.9 | |
| 1.25 | | | | | 4.1 | 2.4 | |
| 1.50 | | | | | 4.0 | 2.1 | |
| 1.75 | | | | | 4.1 | 1.4 | |
| 2.00 | | | | | 4.2 | 1.5 | |
| 2.25 | | | | | 5.4 | 3.0 | |
| 2.50 | | | | | 5.6 | 3.0 | |
| 2.75 | | | | | 5.8 | 1.3 | |
| 3.00 | | | | | 6.0 | 3.6 | |
| 3.25 | | | | | 6.0 | 2.8 | |

Notes:

Project: SEA

Site: 3097

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56 512226 mE
ZONE 56 512120 mE

7044538 mN
7044350 mN

Described By: Barry, Earl

Date: 16-Jul-1999

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record

Substrate Lithology: Alluvium
Element: drainage depression
Permeability: No record
Microrelief Component: No record
Slope: 0 %

Classifications:

ASC: HYDROSOL
GSG: No record

PPF: No record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| A11 | 0.00 to 0.10 | Black (10YR21) moist; fibric clay loam; wet when sampled; gradual to; |
| A12 | 0.10 to 0.55 | Black (2.5Y21) moist; sapric light clay; wet when sampled; clear to; |
| B21 | 0.55 to 0.80 | Black (2.5Y21) moist; sandy light clay; wet when sampled; clear to; |
| 2B21 | 0.80 to 1.15 | Very dark grey (2.5Y31) moist; common 10-20% coarse 15-30mm faint brown mottles; sandy clay loam; massive structure; wet when sampled; gradual to; |
| 2B22 | 1.15 to 1.70 | Very dark grey (5Y31) moist; common 10-20% medium 5-15mm faint brown mottles; sandy clay loam; massive structure; wet when sampled; gradual to; |
| 3C1u | 1.70 to 2.30 | Black (5Y2.51) moist; silty light medium clay; massive structure; wet when sampled; gradual to; |
| 4B2h | 2.30 to 2.50 | Black (10YR21) moist; loamy sand; massive structure; moderately cemented broken platy ortstein; wet when sampled; No decode(l) to; |
| 4B2hs | 2.50 to 2.95 | Very dark greyish brown (2.5Y32) moist; loamy sand; massive structure; wet when sampled; diffuse to; |
| 4C2u | 2.95 to 3.80 | Dark greyish brown (2.5Y43) moist; sand; massive structure; wet when sampled; diffuse to; |
| 4C3u | 3.80 to 4.70 | Dark greenish grey (10Y31) moist; clay loam, sandy; massive structure; wet when sampled; gradual to; |
| 5C4 | 4.70 to 4.90 | Dark grey (2.5Y41) moist; loamy sand; massive structure; wet when sampled; |
| 6C5 | 4.90 to 5.50 | Black (2.5Y21) moist; heavy clayey sand; massive structure; clear to; |
| 7D1 | 5.50 to 5.65 | Dark greyish brown (2.5Y42) moist; many 20-50% coarse 15-30mm prominent dark mottles; sandy medium heavy clay; massive structure; moist when sampled; gradual to; |
| 7D2 | 5.65 to 6.03 | Grey (2.5Y61) moist; medium heavy clay; massive structure; moist when sampled; |

Field Tests:

| Depth | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 5.1 | 3.4 | |
| 0.30 | | | | | 4.9 | 3.4 | |
| 0.60 | | | | | 5.4 | 4.2 | |
| 0.80 | | | | | 5.2 | 3.1 | |
| 1.00 | | | | | 4.8 | 2.7 | |
| 1.25 | | | | | 4.3 | 0.9 | |
| 1.50 | | | | | 4.2 | 0.8 | |
| 1.75 | | | | | 5.0 | 0.9 | |
| 2.00 | | | | | 5.1 | 0.9 | |
| 2.25 | | | | | 5.4 | 0.9 | |
| 2.50 | | | | | 5.3 | 3.9 | |
| 2.75 | | | | | 5.2 | 1.5 | |
| 3.00 | | | | | 5.0 | 1.5 | |
| 3.25 | | | | | 5.0 | 1.9 | |
| 3.50 | | | | | 4.9 | 1.9 | |
| 3.75 | | | | | 4.5 | 1.2 | |
| 4.00 | | | | | 4.9 | 0.8 | |
| 4.75 | | | | | 5.2 | 0.8 | |
| 5.00 | | | | | 5.0 | 1.1 | |
| 5.50 | | | | | 5.0 | 2.2 | |
| 6.00 | | | | | 5.7 | 2.8 | |

Notes:

Site

Horizon 4B2hs - Weak cementation @ 2.9m

Project: SEA

Site: 3098

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

508356 mE
508250 mE

7050738 mN
7050550 mN

Described By: Barry, Earl

Date: 23-Aug-1999

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: soft

Substrate Lithology: Alluvium
Element: swamp
Permeability: No record
Microrelief Component: No record
Slope: 1 %

Classifications:

ASC: Sulfidic, Redoxic, HYDROSOL

GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| A11 | 0.00 to 0.25 | Black (10YR21) moist; sapric clay loam; strong 2-5mm granular structure; wet when sampled; clear to; |
| A12 | 0.25 to 0.40 | Black (10YR21) moist; few 2-10% coarse 15-30mm distinct brown mottles; clay loam, sandy; very few <2% subangular charcoal large pebbles 20-60mm; massive structure; wet when sampled; clear to; |
| B21 | 0.40 to 0.60 | Grey (10YR51) moist; few 2-10% fine <5mm faint orange mottles; sandy light clay; massive structure; wet when sampled; clear to; |
| 2C1u | 0.60 to 1.00 | Dark grey (2.5Y41) moist; sandy light clay; massive structure; wet when sampled; |
| 2C2u | 1.00 to 1.55 | Black (2.5Y2.51) moist; silty light clay; massive structure; wet when sampled; gradual to; |
| 3C3u | 1.55 to 3.00 | Very dark grey (2.5Y31) moist; silty medium heavy clay; massive structure; moist when sampled; diffuse to; |
| 4C4u | 3.00 to 3.30 | Very dark grey (2.5Y31) moist; loamy sand; massive structure; wet when sampled; clear to; |
| 4C5u | 3.30 to 3.45 | Dark grey (2.5Y41) moist; sand; massive structure; wet when sampled; clear to; |
| 4C6u | 3.45 to 3.60 | Black (2.5Y2.51) moist; loamy sand; massive structure; wet when sampled; clear to; |
| 5Bh | 3.60 to 4.20 | Very dark brown (7.5YR2.52) moist; loamy sand; massive structure; many 20-50% coarse 6-20mm ferruginous-organic fragments; wet when sampled; clear to; |
| 6D1 | 4.20 to 5.00 | Very dark greyish brown (10YR32) moist; few 2-10% medium 5-15mm prominent dark mottles; medium heavy clay; massive structure; moist when sampled; |

Field Tests:

| Depth | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.9 | 2.6 | |
| 0.30 | | | | | 5.5 | 3.1 | |
| 0.60 | | | | | 6.2 | 2.8 | |
| 0.80 | | | | | 6.2 | 1.7 | |
| 1.25 | | | | | 6.3 | 1.3 | |
| 1.50 | | | | | 6.3 | 1.4 | |
| 1.75 | | | | | 6.5 | 1.7 | |
| 2.00 | | | | | 6.9 | 2.0 | |
| 2.25 | | | | | 6.7 | 2.6 | |
| 2.50 | | | | | 6.8 | 2.6 | |
| 2.75 | | | | | 7.0 | 2.0 | |
| 3.00 | | | | | 7.1 | 1.5 | |
| 3.25 | | | | | 6.6 | 4.5 | |
| 3.50 | | | | | 6.3 | 5.2 | |
| 3.75 | | | | | 6.6 | 5.9 | |
| 4.00 | | | | | 6.2 | 5.8 | |
| 4.25 | | | | | 6.2 | 5.6 | |
| 4.50 | | | | | 6.4 | 5.3 | |
| 4.75 | | | | | 6.4 | 5.0 | |

Notes:

Site Horizon 6D1 - 4.3-4.4m. Many fine organics

Project: SEA

Site: 3099

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

508256 mE
508150 mE

7051138 mN
7050950 mN

Described By: Barry, Earl

Date: 24-Aug-1999

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: Alluvium
Element: swamp
Permeability: No record
Microrelief Component: No record
Slope: 0 %

Classifications:

ASC: Sulfidic, Oxyaquic, HYDROSOL
GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| A11 | 0.00 to 0.20 | Black (10YR21) moist; fibric clay loam; massive structure; wet when sampled; gradual to; |
| A12 | 0.20 to 0.45 | Black (10YR21) moist; sapric clay loam; massive structure; wet when sampled; clear to; |
| 2C1 | 0.45 to 0.55 | Very dark grey (2.5Y31) moist; sandy clay loam; massive structure; wet when sampled; clear to; |
| 3C2u | 0.55 to 0.90 | Very dark grey (5Y31) moist; silty light clay; common 10-20% subangular shell large pebbles 20-60mm; massive structure; wet when sampled; |
| 3C3u | 0.90 to 3.20 | Greenish black (10Y2.51) moist; silty medium clay; very few <2% subangular shell medium pebbles 6-20mm; massive structure; wet when sampled; clear to; |
| 4D1 | 3.20 to 3.60 | Grey (N50) moist; few 2-10% medium 5-15mm distinct orange mottles; medium heavy clay; massive structure; moist when sampled; |

Field Tests:

| Depth | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 5.0 | 3.2 | |
| 0.30 | | | | | 4.5 | 1.3 | |
| 0.60 | | | | | 6.9 | 2.1 | |
| 0.80 | | | | | 7.2 | 1.2 | |
| 1.25 | | | | | 7.1 | 1.0 | |
| 1.50 | | | | | 7.2 | 1.0 | |
| 1.75 | | | | | 7.2 | 1.0 | |
| 2.00 | | | | | 7.3 | 1.1 | |
| 2.25 | | | | | 7.5 | 1.1 | |
| 2.75 | | | | | 6.9 | 1.1 | |
| 3.00 | | | | | 7.2 | 1.0 | |
| 3.25 | | | | | 7.4 | 1.3 | |
| 3.50 | | | | | 7.2 | 7.2 | |

Notes:

Site Horizon A11 - large roots and grass
Site Horizon A12 - leaves
Site Horizon 2C1 - seagrass
Site Horizon 3C2u - fine organics
Site Horizon 3C3u - fine organics

Project: SEA

Site: 3100

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56 508306 mE
ZONE 56 508200 mE

7051388 mN
7051200 mN

Described By: Barry, Earl

Date: 24-Aug-1999

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: Alluvium
Element: swamp
Permeability: No record
Microrelief Component: No record
Slope: 0 %

Classifications:

ASC: Sulfuric, Redoxic, HYDROSOL

GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| A11 | 0.00 to 0.40 | Black (10YR21) moist; sapric clay loam; massive structure; moist when sampled; clear to; |
| B21 | 0.40 to 0.45 | Dark grey (10YR41) moist; sandy light clay; massive structure; moist when sampled; clear to; |
| 2C1 | 0.45 to 0.70 | Greyish brown (2.5Y52) moist; loamy sand; massive structure; moist when sampled; clear to; |
| 3B21 | 0.70 to 0.80 | Very dark grey (5Y31) moist; few 2-10% medium 5-15mm prominent orange mottles; silty light medium clay; massive structure; moist when sampled; clear to; |
| 3C2u | 0.80 to 1.60 | Greenish black (10Y2.51) moist; silty light medium clay; common 10-20% subangular shell medium pebbles 6-20mm; massive structure; moist when sampled; gradual |
| 4C3u | 1.60 to 3.00 | Black (5Y2.51) moist; medium heavy clay; massive structure; moist when sampled; diffuse to; |
| 5D1 | 3.00 to 4.25 | Dark grey (2.5Y41) moist; sandy light clay; massive structure; moist when sampled; clear to; |
| 6D2 | 4.25 to 4.60 | Grey (N50) moist; common 10-20% medium 5-15mm distinct brown mottles; sandy medium heavy clay; massive structure; moist when sampled; clear to; |
| 7D3 | 4.60 to 4.80 | Dark grey (2.5Y41) moist; loamy sand; massive structure; moist when sampled; |

Field Tests:

| Depth | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 5.1 | 2.5 | |
| 0.30 | | | | | 4.8 | 2.7 | |
| 0.60 | | | | | 3.9 | 2.5 | |
| 0.80 | | | | | 3.5 | 1.8 | |
| 1.00 | | | | | 6.0 | 1.2 | |
| 1.25 | | | | | 7.2 | 1.8 | |
| 1.50 | | | | | 7.2 | 1.3 | |
| 1.75 | | | | | 7.2 | 2.3 | |
| 2.00 | | | | | 7.6 | 2.3 | |
| 2.25 | | | | | 7.7 | 2.2 | |
| 2.50 | | | | | 7.5 | 5.7 | |
| 2.75 | | | | | 7.3 | 6.7 | |
| 3.00 | | | | | 7.6 | 5.8 | |
| 3.25 | | | | | 7.9 | 4.7 | |
| 3.50 | | | | | 8.0 | 5.4 | |
| 4.00 | | | | | 7.8 | 5.8 | |
| 4.25 | | | | | 8.1 | 6.1 | |
| 4.50 | | | | | 8.1 | 5.9 | |
| 4.75 | | | | | 8.0 | 5.1 | |

Notes:

Observation Peroxide pH change at 2.5m but no obvious boundary present
Site Horizon 3C2u - Organics
Site Horizon 4C3u - Organics

Project: SEA

Site: 3101

Soil Name: No record

Location: GDA 94

Location: AGD 84

ZONE 56

ZONE 56

508006 mE

507900 mE

7050988 mN

7050800 mN

Described By: Barry, Earl

Date: 24-Aug-1999

Landscape:

Geology: No record

Landform Pattern: alluvial plain

Runoff: No record

Microrelief: No record

Drainage: No record

Surface Coarse Fragments: No record

Surface Condition: soft

Substrate Lithology: Alluvium

Element: swamp

Permeability: No record

Microrelief Component: No record

Slope: 0 %

Classifications:

ASC: Sulfidic, Redoxic, HYDROSOL

GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| S1 | 0.00 to 0.25 | Black (10YR21) moist; sapric clay loam; massive structure; wet when sampled; clear to; |
| A11 | 0.25 to 0.62 | Black (10YR21) moist; sapric clay loam; massive structure; wet when sampled; clear to; |
| B21 | 0.62 to 0.72 | Dark grey (5Y41) moist; sandy light clay; massive structure; wet when sampled; clear to; |
| 2B22 | 0.72 to 0.90 | Dark greenish grey (10Y31) moist; few 2-10% medium 5-15mm faint dark mottles; silty light clay; massive structure; wet when sampled; gradual to; |
| 2C1u | 0.90 to 1.30 | Greenish black (10Y2.51) moist; silty light medium clay; massive structure; wet when sampled; |
| 3C2u | 1.30 to 2.20 | Dark greenish grey (10Y31) moist; silty medium clay; massive structure; wet when sampled; |
| 4D1 | 2.20 to 2.60 | Very dark grey (N30) moist; few 2-10% medium 5-15mm prominent orange mottles; medium clay; massive structure; moist when sampled; |
| 4D2 | 2.60 to 3.00 | Bluish grey (10B51) moist; few 2-10% medium 5-15mm prominent orange mottles; medium clay; massive structure; moist when sampled; |

Field Tests:

| Depth | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 5.7 | 4.0 | |
| 0.30 | | | | | 4.7 | 3.6 | |
| 0.60 | | | | | 4.2 | 2.5 | |
| 0.80 | | | | | 5.9 | 1.4 | |
| 1.00 | | | | | 6.4 | 2.1 | |
| 1.25 | | | | | 6.8 | 2.6 | |
| 1.50 | | | | | 7.0 | 6.5 | |
| 1.75 | | | | | 7.1 | 7.1 | |
| 2.00 | | | | | 6.8 | 6.4 | |
| 2.25 | | | | | 6.5 | 6.3 | |
| 2.50 | | | | | 6.6 | 6.2 | |
| 2.75 | | | | | 6.4 | 6.2 | |
| 3.00 | | | | | 6.7 | 6.5 | |

Notes:

Project: SEA

Site: 3102

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

507956 mE
507850 mE

7050738 mN
7050550 mN

Described By: Barry, Earl

Date: 24-Aug-1999

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: No record
Element: swamp
Permeability: No record
Microrelief Component: No record
Slope: 1 %

Classifications:

ASC: Redoxic, HYDROSOL
GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| A11 | 0.00 to 0.30 | Black (10YR21) moist; sapric clay loam; strong 2-5mm granular structure; wet when sampled; clear to; |
| B21 | 0.30 to 0.70 | Dark grey (10YR41) moist; medium heavy clay; massive structure; wet when sampled; clear to; |
| B22 | 0.70 to 1.05 | Very dark grey (2.5Y31) moist; few 2-10% medium 5-15mm prominent orange mottles; medium heavy clay; massive structure; wet when sampled; clear to; |
| 2B2 | 1.05 to 1.55 | Dark grey (N40) moist; few 2-10% medium 5-15mm prominent orange mottles; medium heavy clay; massive structure; wet when sampled; clear to; |
| 3B2 | 1.55 to 2.05 | Very dark grey (5Y31) moist; few 2-10% medium 5-15mm prominent yellow mottles; medium heavy clay; massive structure; wet when sampled; |

Field Tests:

| Depth | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-------|-----------|------------|------|------|------|------|--|
| 0.05 | | | | | 6.0 | 4.4 | |
| 0.40 | | | | | 5.0 | 3.0 | |
| 0.60 | | | | | 4.7 | 2.8 | |
| 0.90 | | | | | 4.8 | 2.6 | |
| 1.20 | | | | | 6.1 | 3.4 | |
| 1.30 | | | | | 5.9 | 3.2 | |
| 1.50 | | | | | 5.8 | 2.8 | |
| 1.80 | | | | | 5.7 | 2.4 | |
| 2.05 | | | | | 5.6 | 2.7 | |

Notes:

Site Surface material from a few metres away
Site Hole in drain beside track due to lack of access

Project: SEA

Site: 3103

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56 510466 mE
ZONE 56 510360 mE

7046038 mN
7045850 mN

Described By: Barry, Earl

Date: 07-Sep-1999

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: Alluvium
Element: swamp
Permeability: No record
Microrelief Component: No record
Slope: 0 %

Classifications:

ASC: Sulfuric, Supratidal, HYDROSOL
GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| S1 | 0.00 to 0.25 | Black (10YR21) moist; sapric clay loam; moderate 2-5mm granular structure; wet when sampled; |
| A1 | 0.25 to 0.55 | Black (10YR21) moist; sapric clay loam; strong 2-5mm granular structure; wet when sampled; clear to; |
| B21 | 0.55 to 0.95 | Very dark grey (10YR31) moist; silty light medium clay; massive structure; wet when sampled; gradual to; |
| B22 | 0.95 to 1.40 | Very dark greyish brown (10YR32) moist; silty light medium clay; massive structure; wet when sampled; clear to; |
| 2A1 | 1.40 to 1.80 | Black (10YR21) moist; fibric clay loam; massive structure; wet when sampled; clear to; |
| 2C1 | 1.80 to 2.70 | Very dark grey (2.5Y31) moist; clay loam, sandy; massive structure; wet when sampled; gradual to; |
| 3D1 | 2.70 to 2.80 | Grey (2.5Y51) moist; sandy light clay; massive structure; wet when sampled; clear |
| 3D2 | 2.80 to 3.60 | Greenish grey (10Y61) moist; common 10-20% coarse 15-30mm distinct brown mottles; sandy medium heavy clay; massive structure; moist when sampled; |

Field Tests:

| Depth | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.3 | 2.3 | |
| 0.30 | | | | | 5.1 | 3.4 | |
| 0.60 | | | | | 5.5 | 3.1 | |
| 0.80 | | | | | 5.3 | 2.8 | |
| 1.00 | | | | | 4.4 | 2.3 | |
| 1.25 | | | | | 3.8 | 0.7 | |
| 1.50 | | | | | 4.5 | 0.7 | |
| 1.75 | | | | | 5.1 | 0.9 | |
| 2.00 | | | | | 5.5 | 1.0 | |
| 2.50 | | | | | 5.9 | 0.9 | |
| 2.75 | | | | | 6.2 | 1.9 | |
| 3.00 | | | | | 6.6 | 3.2 | |
| 3.25 | | | | | 6.6 | 3.7 | |
| 3.50 | | | | | 6.9 | 5.1 | |

Notes:

Site Mountain Ck area

Project: SEA

Site: 3104

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

510526 mE
510420 mE

7046008 mN
7045820 mN

Described By: Barry, Earl

Date: 07-Sep-1999

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: Alluvium
Element: swamp
Permeability: No record
Microrelief Component: No record
Slope: 2 %

Classifications:

ASC: Redoxic, HYDROSOL
GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| A11 | 0.00 to 0.30 | Very dark greyish brown (2.5Y32) moist; sandy clay loam; wet when sampled; |
| B21 | 0.30 to 0.35 | Light brownish grey (2.5Y62) moist; many 20-50% coarse 15-30mm prominent orange mottles; sandy light medium clay; weak structure; clear to; |
| C1 | 0.35 to 0.50 | Dark grey (10YR41) moist; sandy loam; weak structure; clear to; |
| 2C2 | 0.50 to 0.75 | Light grey (10YR71) moist; few 2-10% very coarse >30mm prominent dark mottles; sand; wet when sampled; clear to; |
| 3D1 | 0.75 to 0.90 | Black (10YR21) moist; loamy sand; moist when sampled; clear to; |
| 3D2 | 0.90 to 1.00 | Dark yellowish brown (10YR34) moist; loamy sand; moist when sampled; clear to; |
| 4D3 | 1.00 to 1.30 | Yellowish brown (10YR54) moist; few 2-10% medium 5-15mm distinct dark mottles; loamy sand; moderate 2-5mm subangular blocky structure; moist when sampled; gradual to; |
| 4D4 | 1.30 to 1.60 | Light brownish grey (2.5Y63) moist; few 2-10% medium 5-15mm prominent dark, few 2-10% fine <5mm prominent orange mottles; loamy sand; moderate 5-10mm subangular blocky structure; moist when sampled; clear to; |
| 5D5 | 1.60 to 1.80 | Light grey (5Y71) moist; few 2-10% coarse 15-30mm prominent dark mottles; sandy light clay; moderate structure; clear to; |
| 5D6 | 1.80 to 2.20 | Dark greyish brown (10YR42) moist; loamy sand; weak structure; |

Field Tests:

| Depth | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.4 | 3.5 | |
| 0.30 | | | | | 4.7 | 3.1 | |
| 0.60 | | | | | 4.6 | 4.1 | |
| 0.80 | | | | | 4.8 | 2.5 | |
| 1.00 | | | | | 4.4 | 3.4 | |
| 1.25 | | | | | 4.7 | 2.7 | |
| 1.50 | | | | | 5.1 | 4.1 | |
| 1.75 | | | | | 5.3 | 3.7 | |
| 2.00 | | | | | 5.1 | 3.8 | |

Notes:

Location Site near 3013 - 50m upslope

Project: SEA

Site: 3105

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56 511656 mE
ZONE 56 511550 mE

7045888 mN
7045700 mN

Described By: Barry, Earl

Date: 08-Sep-1999

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: soft

Substrate Lithology: Alluvium
Element: scroll
Permeability: No record
Microrelief Component: No record
Slope: 3 %

Classifications:

ASC: Redoxic, HYDROSOL
GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| A11 | 0.00 to 0.25 | Black (10YR21) moist; sandy loam; massive structure; moist when sampled; clear |
| A12 | 0.25 to 0.65 | Very dark grey (10YR31) moist; loamy sand; single grain structure; moist when sampled; clear to; |
| B21 | 0.65 to 1.40 | Brown (10YR53) moist; common 10-20% coarse 15-30mm faint brown mottles; sand; very few <2% subrounded quartz small pebbles 2-6mm; single grain structure; moist when sampled; clear to; |
| 2C1u | 1.40 to 2.40 | Very dark grey (5Y31) moist; clayey sand; massive structure; wet when sampled; gradual to; |
| 2C2u | 2.40 to 3.50 | Dark grey (2.5Y41) moist; common 10-20% medium 5-15mm faint brown mottles; sand; few 2-10% rounded gravel medium pebbles 6-20mm; massive structure; wet when sampled; clear to; |
| 3C3u | 3.50 to 3.70 | Very dark grey (2.5Y31) moist; clayey coarse sand; few 2-10% angular shell medium pebbles 6-20mm, many 20-50% subrounded gravel medium pebbles 6-20mm; massive structure; wet when sampled; clear to; |
| 4D1 | 3.70 to 4.50 | Grey (10YR61) moist; few 2-10% medium 5-15mm distinct dark mottles; sandy clay loam; massive structure; moist when sampled; gradual to; |
| 5D2 | 4.50 to 4.60 | Very dark grey (10YR31) moist; silty loam; massive structure; few 2-10% ferruginous veins; moist when sampled; |

Field Tests:

| Depth | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 6.5 | 5.2 | |
| 0.30 | | | | | 6.5 | 3.2 | |
| 0.60 | | | | | 5.5 | 3.8 | |
| 0.80 | | | | | 6.1 | 4.3 | |
| 1.00 | | | | | 4.2 | 4.0 | |
| 1.25 | | | | | 4.7 | 3.1 | |
| 1.50 | | | | | 5.6 | 1.3 | |
| 1.75 | | | | | 5.3 | 1.1 | |
| 2.00 | | | | | 5.1 | 1.1 | |
| 2.25 | | | | | 5.1 | 0.9 | |
| 2.50 | | | | | 4.8 | 1.3 | |
| 2.75 | | | | | 4.8 | 1.1 | |
| 3.00 | | | | | 5.0 | 1.4 | |
| 3.25 | | | | | 5.4 | 1.5 | |
| 3.50 | | | | | 6.6 | 1.3 | |
| 3.75 | | | | | 7.2 | 3.7 | |
| 4.00 | | | | | 6.9 | 2.2 | |
| 4.25 | | | | | 7.1 | 5.3 | |
| 4.50 | | | | | 6.6 | 1.2 | |

Notes:

Site 5D2 is a silty-fine pan layer. Geoprobe could not penetrate

Project: SEA

Site: 3106

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

511856 mE
511750 mE

7045968 mN
7045780 mN

Described By: Barry, Earl

Date: 08-Sep-1999

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: soft

Substrate Lithology: Calcarenite
Element: scroll
Permeability: No record
Microrelief Component: No record
Slope: 1 %

Classifications:

ASC: Brown, KANDOSOL / Sulfidic, Redoxic, HYDROSOL

GSG: No record

PPF: No record / No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| A11 | 0.00 to 0.20 | Black (10YR21) moist; sandy clay loam; massive structure; wet when sampled; clear to; |
| A12 | 0.20 to 0.60 | Dark brown (10YR33) moist; few 2-10% medium 5-15mm faint brown mottles; sandy loam; massive structure; moist when sampled; gradual to; |
| B21 | 0.60 to 0.80 | Light olive brown (2.5Y54) moist; common 10-20% coarse 15-30mm distinct orange mottles; sandy loam; massive structure; moist when sampled; gradual to; |
| B22 | 0.80 to 1.30 | Greyish brown (2.5Y52) moist; few 2-10% coarse 15-30mm faint brown mottles; loamy sand; single grain structure; wet when sampled; clear to; |
| 2A1 | 1.30 to 1.75 | Very dark greyish brown (2.5Y32) moist; few 2-10% medium 5-15mm faint brown mottles; clay loam, sandy; massive structure; wet when sampled; clear to; |
| 3B23 | 1.75 to 2.10 | Dark grey (5Y41) moist; common 10-20% coarse 15-30mm distinct grey mottles; loamy sand; massive structure; wet when sampled; gradual to; |
| 3B24 | 2.10 to 2.60 | Very dark grey (5Y31) moist; common 10-20% coarse 15-30mm distinct grey mottles; sandy clay loam; massive structure; wet when sampled; gradual to; |
| 3C1 | 2.60 to 2.80 | Dark grey (5Y41) moist; clayey sand; very few <2% subrounded quartz small pebbles 2-6mm; single grain structure; wet when sampled; clear to; |
| 4D1 | 2.80 to 3.25 | Very dark brown (7.5YR22) moist; common 10-20% coarse 15-30mm distinct brown, few 2-10% coarse 15-30mm distinct dark mottles; sandy loam; massive structure; wet when sampled; clear to; |
| 5D2 | 3.25 to 3.40 | Brown (10YR43) moist; coarse sandy loam; common 10-20% subangular quartz small pebbles 2-6mm; massive structure; wet when sampled; clear to; |
| 5D3 | 3.40 to 3.60 | Greyish brown (2.5Y53) moist; coarse sandy clay loam; common 10-20% subangular quartz medium pebbles 6-20mm; massive structure; moist when sampled; |

Field Tests:

| Depth | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.7 | 1.6 | |
| 0.30 | | | | | 4.6 | 2.0 | |
| 0.60 | | | | | 4.5 | 3.0 | |
| 0.80 | | | | | 4.9 | 2.6 | |
| 1.00 | | | | | 4.9 | 2.8 | |
| 1.25 | | | | | 5.0 | 3.3 | |
| 1.50 | | | | | 4.7 | 3.3 | |
| 1.75 | | | | | 4.3 | 1.2 | |
| 2.00 | | | | | 4.3 | 1.1 | |
| 2.25 | | | | | 4.6 | 1.1 | |
| 2.50 | | | | | 5.0 | 1.2 | |
| 2.75 | | | | | 5.9 | 1.5 | |
| 3.00 | | | | | 5.7 | 3.6 | |
| 3.25 | | | | | 5.8 | 4.4 | |
| 3.50 | | | | | 5.9 | 3.8 | |

Notes:

Location Mountain Ck area

Project: SEA

Site: 3107

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

511006 mE
510900 mE

7046988 mN
7046800 mN

Described By: Barry, Earl

Date: 08-Sep-1999

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: Alluvium
Element: tidal flat
Permeability: No record
Microrelief Component: No record
Slope: 0 %

Classifications:

ASC: Sulfidic, Intertidal, HYDROSOL
GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| A11 | 0.00 to 0.15 | Greyish brown (2.5Y53) moist; sand; very few <2% subrounded quartz small pebbles 2-6mm; single grain structure; wet when sampled; clear to; |
| B21 | 0.15 to 0.45 | Very dark grey (2.5Y31) moist; few 2-10% medium 5-15mm distinct dark mottles; loamy sand; very few <2% subrounded quartz small pebbles 2-6mm; massive structure; wet when sampled; gradual to; |
| C1u | 0.45 to 1.10 | Grey (2.5Y51) moist; sand; few 2-10% subrounded quartz small pebbles 2-6mm; single grain structure; wet when sampled; gradual to; |
| C2u | 1.10 to 1.55 | Grey (2.5Y51) moist; coarse sand; common 10-20% subrounded quartz small pebbles 2-6mm; single grain structure; wet when sampled; clear to; |
| 2C3u | 1.55 to 1.95 | Greenish black (10Y2.51) moist; common 10-20% coarse 15-30mm distinct grey mottles; silty light clay; massive structure; wet when sampled; clear to; |
| 3C4u | 1.95 to 2.45 | Very dark grey (5Y31) moist; few 2-10% coarse 15-30mm faint brown mottles; loamy sand; single grain structure; wet when sampled; clear to; |
| 3C5u | 2.45 to 2.58 | Dark grey (5Y41) moist; loamy sand; single grain structure; wet when sampled; clear to; |
| 4D1 | 2.58 to 3.20 | Grey (2.5Y61) moist; few 2-10% coarse 15-30mm faint yellow mottles; sandy loam; massive structure; wet when sampled; gradual to; |
| 4D2 | 3.20 to 3.60 | Light brownish grey (2.5Y63) moist; common 10-20% coarse 15-30mm distinct brown mottles; sandy loam; massive structure; wet when sampled; |

Field Tests:

| Depth | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 7.1 | 5.7 | |
| 0.30 | | | | | 6.5 | 1.3 | |
| 0.60 | | | | | 6.2 | 0.9 | |
| 0.80 | | | | | 6.2 | 1.3 | |
| 1.00 | | | | | 6.1 | 1.0 | |
| 1.25 | | | | | 6.1 | 1.4 | |
| 1.50 | | | | | 6.2 | 1.1 | |
| 1.75 | | | | | 6.0 | 1.3 | |
| 2.00 | | | | | 6.0 | 1.3 | |
| 2.25 | | | | | 6.0 | 1.3 | |
| 2.50 | | | | | 6.0 | 1.5 | |
| 2.75 | | | | | 6.5 | 1.2 | |
| 3.00 | | | | | 6.5 | 2.2 | |
| 3.25 | | | | | 6.6 | 5.2 | |
| 3.50 | | | | | 6.6 | 4.3 | |

Notes:

Observation Tidal flat
Site Mountain Creek area north side of suburb

Project: SEA

Site: 3108

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56 508456 mE
ZONE 56 508350 mE

7057988 mN
7057800 mN

Described By: Barry, Earl

Date: 09-Sep-1999

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: Alluvium
Element: swamp
Permeability: No record
Microrelief Component: No record
Slope: 0 %

Classifications:

ASC: Humic, Aquic, PODOSOL

GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| S1 | 0.00 to 0.15 | Very dark brown (10YR22) moist; sandy loam; massive structure; moist when sampled; sharp to; |
| S2 | 0.15 to 0.55 | Very dark grey (10YR31) moist; sandy medium clay; common 10-20% angular gravel medium pebbles 6-20mm; massive structure; moist when sampled; sharp to; |
| 2A2e | 0.55 to 1.10 | Light brownish grey (10YR62) moist; white (10YR81) dry; sand; single grain structure; moist when sampled; gradual to; |
| 3B1h | 1.10 to 1.85 | Black (10YR21) moist; loamy sand; massive structure; wet when sampled; gradual |
| 3B21hs | 1.85 to 2.30 | Black (10YR21) moist; loamy sand; massive structure; weakly cemented continuous massive ortstein; gradual to; |
| 3B22hs | 2.30 to 3.60 | Very dark greyish brown (10YR32) moist; loamy sand; massive structure; |

Field Tests:

| Depth | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.8 | 2.6 | |
| 0.30 | | | | | 6.9 | 5.9 | |
| 0.60 | | | | | 5.6 | 2.9 | |
| 0.80 | | | | | 5.2 | 3.2 | |
| 1.00 | | | | | 5.2 | 3.0 | |
| 1.25 | | | | | 5.5 | 3.0 | |
| 1.50 | | | | | 5.7 | 4.1 | |
| 1.75 | | | | | 5.7 | 4.2 | |
| 2.00 | | | | | 5.9 | 4.3 | |
| 2.25 | | | | | 5.8 | 1.5 | |
| 2.50 | | | | | 5.7 | 1.9 | |
| 2.75 | | | | | 5.6 | 2.2 | |
| 3.00 | | | | | 5.7 | 2.3 | |
| 3.25 | | | | | 5.8 | 2.1 | |
| 3.50 | | | | | 5.7 | 2.3 | |

Notes:

Site

Maroochy Airport west side

Project: SEA

Site: 3109

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

508866 mE
508760 mE

7056318 mN
7056130 mN

Described By: Barry, Earl

Date: 09-Sep-1999

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: firm

Substrate Lithology: Alluvium
Element: plain
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: Sulfidic, Redoxic, HYDROSOL

GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| A11 | 0.00 to 0.20 | Black (10YR21) moist; sandy clay loam; massive structure; moist when sampled; clear to; |
| A12 | 0.20 to 0.40 | Black (2.5Y2.51) moist; sandy clay loam; massive structure; moist when sampled; clear to; |
| B21 | 0.40 to 0.55 | Greyish brown (2.5Y52) moist; few 2-10% fine <5mm faint brown mottles; sandy light clay; massive structure; moist when sampled; clear to; |
| 2B22 | 0.55 to 0.80 | Light grey (2.5Y72) moist; few 2-10% coarse 15-30mm distinct brown mottles; sand; single grain structure; moist when sampled; clear to; |
| 2C1 | 0.80 to 1.50 | Greyish brown (2.5Y52) moist; sand; single grain structure; wet when sampled; gradual to; |
| 2C2 | 1.50 to 1.80 | Very dark grey (5Y31) moist; loamy sand; single grain structure; wet when sampled; gradual to; |
| 3C4 | 1.80 to 2.30 | Light grey (2.5Y71) moist; common 10-20% coarse 15-30mm distinct brown mottles; sand; single grain structure; wet when sampled; diffuse to; |
| 3C3 | 2.30 to 3.80 | Light grey (2.5Y71) moist; sand; single grain structure; wet when sampled; clear |
| 4D1 | 3.80 to 3.90 | Dark grey (10YR41) moist; common 10-20% medium 5-15mm distinct dark mottles; sandy loam; massive structure; moderately cemented continuous massive fragipan; wet when sampled; |

Field Tests:

| Depth | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 5.0 | 4.0 | |
| 0.30 | | | | | 5.2 | 4.3 | |
| 0.60 | | | | | 5.2 | 4.5 | |
| 0.80 | | | | | 5.4 | 4.5 | |
| 1.00 | | | | | 5.3 | 2.6 | |
| 1.25 | | | | | 5.2 | 1.6 | |
| 1.50 | | | | | 5.4 | 1.0 | |
| 1.75 | | | | | 5.1 | 0.8 | |
| 2.00 | | | | | 5.2 | 1.0 | |
| 2.25 | | | | | 5.9 | 1.5 | |
| 2.50 | | | | | 5.4 | 1.8 | |
| 2.75 | | | | | 5.3 | 1.8 | |
| 3.00 | | | | | 5.2 | 1.6 | |
| 3.25 | | | | | 5.3 | 1.6 | |
| 3.50 | | | | | 5.8 | 1.9 | |
| 3.75 | | | | | 6.3 | 5.1 | |
| 3.90 | | | | | 5.5 | 1.4 | |

Notes:

Location Site in SE part of vacant block opposite highway from airstrip
Site Horizon 4D1- hard pan layer unable to penetrate

Project: SEA

Site: 3110

Soil Name: No record

Location: GDA 94 ZONE 56 509226 mE 7062988 mN
Location: AGD 84 ZONE 56 509120 mE 7062800 mN

Described By: Barry, Earl

Date: 14-Sep-1999

Landscape:

Geology: No record

Substrate Lithology: No record

Landform Pattern: No record

Element: swamp

Runoff: No record

Permeability: No record

Microrelief: No record

Microrelief Component: No record

Drainage: No record

Slope: 2 %

Surface Coarse Fragments: No record

Surface Condition: No record

Classifications:

ASC: Acidic, Sapric, ORGANOSOL

GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| S1 | 0.00 to 0.30 | Very dark greyish brown (10YR32) moist; loamy sand; massive structure; moist when sampled; abrupt to; |
| O2 | 0.30 to 0.70 | Black (10YR21) moist; sapric clay loam; moderate 5-10mm subangular blocky structure; moist when sampled; clear to; |
| B21 | 0.70 to 0.80 | Very dark grey (10YR31) moist; few 2-10% medium 5-15mm faint brown mottles; light sandy clay loam; massive structure; moist when sampled; clear to; |
| B3 | 0.80 to 0.90 | Greyish brown (10YR52) moist; few 2-10% medium 5-15mm faint brown mottles; loamy sand; massive structure; moist when sampled; clear to; |
| 2D1 | 0.90 to 1.20 | Grey (2.5Y51) moist; sandy medium clay; massive structure; moist when sampled; clear to; |
| 2D2 | 1.20 to 1.70 | Grey (2.5Y61) moist; medium clay; massive structure; moist when sampled; gradual to; |
| 2D3 | 1.70 to 2.70 | Grey (N60) moist; heavy clayey sand; massive structure; moist when sampled; gradual to; |
| 2D4 | 2.70 to 3.00 | Light grey (N70) moist; sand; massive structure; moist when sampled; |

Field Tests:

| Depth | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.9 | 2.5 | |
| 0.30 | | | | | 5.9 | 1.7 | |
| 0.45 | | | | | 3.6 | 1.2 | |
| 0.60 | | | | | 4.0 | 1.2 | |
| 0.80 | | | | | 5.9 | 1.5 | |
| 1.00 | | | | | 6.5 | 2.6 | |
| 1.25 | | | | | 6.7 | 3.1 | |
| 1.50 | | | | | 6.9 | 3.2 | |
| 1.75 | | | | | 7.0 | 3.2 | |
| 2.50 | | | | | 6.6 | 2.9 | |
| 2.75 | | | | | 6.0 | 2.9 | |
| 3.00 | | | | | 6.1 | 4.0 | |

Notes:

Site Apparently 2m of peat removed from surface

Project: SEA

Site: 3111

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

509376 mE
509270 mE

7062168 mN
7061980 mN

Described By: Barry, Earl

Date: 14-Sep-1999

Landscape:

Geology: No record

Landform Pattern: alluvial plain

Runoff: No record

Microrelief: No record

Drainage: No record

Substrate Lithology: No record

Element: swamp

Permeability: No record

Microrelief Component: No record

Slope: 2 %

Classifications:

ASC: Sulfidic, Redoxic, HYDROSOL

GSG: No record

PPF: No record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| S1 | 0.00 to 0.05 | Very dark greyish brown (10YR32) moist; sandy loam; massive structure; moist when sampled; abrupt to; |
| S2 | 0.05 to 0.35 | Black (2.5Y2.51) moist; sandy medium heavy clay; massive structure; moist when sampled; clear to; |
| A11 | 0.35 to 0.75 | Black (2.5Y2.51) moist; few 2-10% medium 5-15mm distinct brown mottles; silty medium clay; massive structure; moist when sampled; gradual to; |
| B21 | 0.75 to 2.10 | Very dark grey (2.5Y31) moist; few 2-10% medium 5-15mm distinct dark mottles; silty light medium clay; massive structure; wet when sampled; gradual to; |
| C1 | 2.10 to 2.70 | Dark grey (2.5Y41) moist; clayey sand; very few <2% subangular quartz small pebbles 2-6mm; massive structure; wet when sampled; abrupt to; |
| 2B21 | 2.70 to 2.75 | Very dark greyish brown (2.5Y32) moist; common 10-20% coarse 15-30mm distinct dark mottles; silty light medium clay; massive structure; wet when sampled; |
| 3B21 | 2.75 to 3.60 | Greyish brown (2.5Y53) moist; very few <2% coarse 15-30mm distinct pale mottles; clayey sand; very few <2% subangular quartz small pebbles 2-6mm; massive structure; wet when sampled; clear to; |
| 4D1 | 3.60 to 3.80 | Light brownish grey (2.5Y62) moist; few 2-10% medium 5-15mm distinct pale mottles; sandy light clay; very few <2% subangular quartz small pebbles 2-6mm; massive structure; wet when sampled; gradual to; |
| 4D2 | 3.80 to 4.70 | Olive brown (2.5Y44) moist; few 2-10% medium 5-15mm prominent grey, very few <2% medium 5-15mm prominent red mottles; sandy light clay; very few <2% subangular quartz small pebbles 2-6mm; massive structure; few 2-10% medium 2-6mm ferruginous nodules; moist when sampled; gradual to; |
| 4D3 | 4.70 to 4.80 | Light grey (2.5Y71) moist; few 2-10% medium 5-15mm prominent red mottles; sandy light clay; very few <2% subangular quartz small pebbles 2-6mm; massive structure; wet when sampled; |

Field Tests:

| Depth | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-------|-----------|------------|------|------|------|------|--|
| 0.05 | | | | | 6.4 | 4.8 | |
| 0.30 | | | | | 5.8 | 2.2 | |
| 0.60 | | | | | 5.4 | 1.4 | |
| 0.80 | | | | | 6.0 | 1.4 | |
| 1.00 | | | | | 6.2 | 2.2 | |
| 1.25 | | | | | 6.7 | 3.1 | |
| 1.50 | | | | | 6.5 | 3.1 | |
| 1.75 | | | | | 6.4 | 3.1 | |
| 2.00 | | | | | 6.7 | 3.5 | |
| 2.25 | | | | | 6.6 | 3.1 | |
| 2.50 | | | | | 6.5 | 2.2 | |
| 2.70 | | | | | 6.4 | 0.9 | |
| 3.00 | | | | | 6.3 | 1.1 | |
| 3.25 | | | | | 6.5 | 2.1 | |
| 3.50 | | | | | 6.4 | 2.3 | |
| 3.75 | | | | | 6.6 | 2.8 | |
| 4.00 | | | | | 6.5 | 2.7 | |
| 4.25 | | | | | 6.7 | 2.4 | |
| 4.50 | | | | | 6.3 | 2.8 | |
| 4.75 | | | | | 5.6 | 3.7 | |

Notes:

Observation Swamp prior to golf course construction

Project: SEA

Site: 3112

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

509366 mE
509260 mE

7062458 mN
7062270 mN

Described By: Barry, Earl

Date: 15-Sep-1999

Landscape:

Geology: No record
Landform Pattern: plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: No record
Element: No record
Permeability: No record
Microrelief Component: No record
Slope: 2 %

Classifications:

ASC: Redoxic, HYDROSOL
GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| S1 | 0.00 to 0.15 | Very dark grey (10YR31) moist; sandy clay loam; massive structure; moist when sampled; abrupt to; |
| S2 | 0.15 to 0.35 | Black (10YR21) moist; very few <2% fine <5mm prominent yellow mottles; sandy light clay; weak <2mm platy structure; moist when sampled; clear to; |
| 2A1 | 0.35 to 0.60 | Black (2.5Y2.51) moist; few 2-10% medium 5-15mm faint brown mottles; sapric clay loam; massive structure; moist when sampled; sharp to; |
| 2A3 | 0.60 to 0.75 | Dark grey (2.5Y41) moist; common 10-20% coarse 15-30mm distinct dark mottles; loamy sand; single grain structure; wet when sampled; |
| 2B21 | 0.75 to 1.40 | Very dark grey (2.5Y31) moist; few 2-10% coarse 15-30mm distinct dark mottles; sandy medium clay; massive structure; wet when sampled; clear to; |
| 3D1 | 1.40 to 1.90 | Very dark greyish brown (10YR32) moist; few 2-10% medium 5-15mm distinct yellow mottles; sandy medium clay; massive structure; moist when sampled; |
| 3D2 | 1.90 to 2.40 | Grey (N50) moist; common 10-20% coarse 15-30mm distinct orange, few 2-10% medium 5-15mm prominent red mottles; coarse sandy medium clay; few 2-10% subangular quartz medium pebbles 6-20mm; massive structure; few 2-10% coarse 6-20mm ferruginous concretions; moist when sampled; |

Field Tests:

| Depth | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 5.7 | 4.2 | |
| 0.30 | | | | | 5.9 | 4.2 | |
| 0.60 | | | | | 5.8 | 4.1 | |
| 0.80 | | | | | 5.9 | 1.9 | |
| 1.00 | | | | | 6.5 | 3.5 | |
| 1.50 | | | | | 6.4 | 3.7 | |
| 1.75 | | | | | 5.9 | 3.4 | |
| 2.00 | | | | | 6.4 | 3.2 | |
| 2.25 | | | | | 6.2 | 2.7 | |

Notes:

Location Hyatt R West side of 15th Fairway just before water crossing
Observation Suppose to be edge of same swamp as 3111

Project: SEA

Site: 3113

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

509776 mE
509670 mE

7061988 mN
7061800 mN

Described By: Barry, Earl

Date: 15-Sep-1999

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: Alluvium
Element: swamp
Permeability: No record
Microrelief Component: No record
Slope: 1 %

Classifications:

ASC: Sulfidic, Sapric, ORGANOSOL

GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| S1 | 0.00 to 0.30 | Very dark greyish brown (10YR32) moist; loamy sand; massive structure; moist when sampled; abrupt to; |
| O2 | 0.30 to 0.65 | Black (10YR21) moist; sapric peat; massive structure; moist when sampled; clear |
| 2B2 | 0.65 to 1.00 | Grey (10YR51) moist; few 2-10% medium 5-15mm distinct dark mottles; loamy sand; single grain structure; moist when sampled; gradual to; |
| 2C1 | 1.00 to 1.50 | Grey (10YR61) moist; sand; single grain structure; wet when sampled; abrupt to; |
| 3D1 | 1.50 to 2.40 | Black (10YR21) moist; loamy sand; massive structure; wet when sampled; |

Field Tests:

| Depth | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 5.8 | 2.2 | |
| 0.30 | | | | | 5.9 | 2.9 | |
| 0.60 | | | | | 3.9 | 0.9 | |
| 0.80 | | | | | 5.1 | 1.5 | |
| 1.00 | | | | | 5.4 | 1.9 | |
| 1.25 | | | | | 4.9 | 2.0 | |
| 1.50 | | | | | 4.7 | 1.9 | |
| 1.75 | | | | | 5.5 | 3.9 | |
| 2.00 | | | | | 5.6 | 4.8 | |
| 2.25 | | | | | 5.6 | 4.8 | |

Notes:

Project: SEA

Site: 3114

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

509697 mE
509591 mE

7062506 mN
7062318 mN

Described By: Barry, Earl

Date: 15-Sep-1999

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: Alluvium
Element: No record
Permeability: No record
Microrelief Component: No record
Slope: 0 %

Classifications:

ASC: Sulfidic, Redoxic, HYDROSOL
GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| S1 | 0.00 to 0.05 | Dark brown (10YR33) moist; loamy sand; massive structure; moist when sampled; abrupt to; |
| A1 | 0.05 to 0.25 | Very dark grey (10YR31) moist; clay loam, sandy; moderate 5-10mm subangular blocky structure; moist when sampled; clear to; |
| B21 | 0.25 to 0.50 | Dark yellowish brown (10YR44) moist; loamy sand; massive structure; wet when sampled; gradual to; |
| C1 | 0.50 to 0.85 | White (10YR81) moist; very few <2% medium 5-15mm prominent orange mottles; sand; single grain structure; wet when sampled; gradual to; |
| C2 | 0.85 to 1.14 | Pale brown (10YR63) moist; very few <2% medium 5-15mm distinct brown mottles; sand; single grain structure; wet when sampled; sharp to; |
| 2C3u | 1.14 to 1.15 | Very dark grey (2.5Y31) moist; silty light clay; massive structure; wet when sampled; sharp to; |
| 3C4u | 1.15 to 1.65 | Dark grey (2.5Y41) moist; clayey sand; single grain structure; diffuse to; |
| 4D1 | 1.65 to 2.70 | Black (10YR21) moist; loamy sand; massive structure; wet when sampled; |

Described By: Barry, Earl

Date: 15-Sep-1999

Field Tests:

| Depth | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 5.3 | 3.8 | |
| 0.30 | | | | | 5.4 | 4.0 | |
| 0.60 | | | | | 5.7 | 4.8 | |
| 0.80 | | | | | 6.3 | 3.5 | |
| 1.00 | | | | | 6.3 | 3.4 | |
| 1.25 | | | | | 5.6 | 1.4 | |
| 1.50 | | | | | 5.6 | 1.5 | |
| 1.75 | | | | | 5.9 | 4.1 | |
| 2.00 | | | | | 6.0 | 4.2 | |
| 2.25 | | | | | 6.0 | 3.8 | |
| 2.50 | | | | | 6.0 | 4.2 | |
| 2.70 | | | | | 6.0 | 4.3 | |

Notes:

Project: SEA

Site: 3115

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56 507902 mE
ZONE 56 507796 mE

7060691 mN
7060503 mN

Described By: Barry, Earl

Date: 15-Sep-1999

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: soft

Substrate Lithology: Alluvium
Element: swamp
Permeability: No record
Microrelief Component: No record
Slope: 1 %

Classifications:

ASC: Sulfidic, Sapric, ORGANOSOL

GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| S1 | 0.00 to 0.70 | Sandy loam; |
| O2 | 0.70 to 1.15 | Black (10YR20) moist; sapric sandy clay loam; massive structure; moist when |
| A12 | 1.15 to 1.70 | Dark grey (2.5Y41) moist; sandy clay loam; massive structure; moist when |
| 2C1 | 1.70 to 1.90 | Light grey (10YR72) moist; sand; single grain structure; moist when sampled; |
| 3C2u | 1.90 to 2.10 | Greyish brown (2.5Y52) moist; sand; single grain structure; moist when sampled; |
| 4C3u | 2.10 to 2.50 | Dark grey (5Y41) moist; sand; single grain structure; moist when sampled; |
| 5B21h | 2.50 to 3.00 | Very dark greyish brown (10YR32) moist; sand; very few <2% angular quartz small pebbles 2-6mm; single grain structure; moist when sampled; |
| 5B22hs | 3.00 to 3.50 | Black (10YR21) moist; sand; massive structure; weakly cemented continuous massive organic pan; moist when sampled; |
| 6D1 | 3.50 to 3.60 | Very dark greyish brown (10YR32) moist; medium clay; massive structure; weakly cemented continuous massive organic pan; moist when sampled; |

Field Tests:

| Depth | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-------|-----------|------------|------|------|------|------|--|
| 0.80 | | | | | 5.4 | 3.2 | |
| 1.00 | | | | | 5.3 | 3.5 | |
| 1.25 | | | | | 6.3 | 2.9 | |
| 1.50 | | | | | 6.4 | 2.7 | |
| 1.75 | | | | | 6.4 | 2.2 | |
| 2.00 | | | | | 6.0 | 2.1 | |
| 2.25 | | | | | 5.8 | 1.5 | |
| 2.50 | | | | | 6.0 | 1.8 | |
| 2.75 | | | | | 6.1 | 1.7 | |
| 3.00 | | | | | 6.2 | 1.9 | |
| 3.25 | | | | | 6.2 | 1.6 | |
| 3.50 | | | | | 6.4 | 2.9 | |

Notes:

Site Off end of Finland Rd, adjacent to melaleuca forest site on raised road

Project: SEA

Site: 3116

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

508535 mE
508429 mE

7061019 mN
7060831 mN

Described By: Barry, Earl

Date: 16-Sep-1999

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: Alluvium
Element: swamp
Permeability: No record
Microrelief Component: No record
Slope: 0 %

Classifications:

ASC: Sulfidic, Oxyaquic, HYDROSOL
GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| S1 | 0.00 to 0.25 | Black (10YR21) moist; sapric sandy loam; massive structure; moist when sampled; abrupt to; |
| A11 | 0.25 to 0.55 | Black (10YR21) moist; sapric sandy loam; massive structure; moist when sampled; abrupt to; |
| 2C1 | 0.55 to 0.85 | Very dark grey (5Y31) moist; sandy loam; massive structure; wet when sampled; clear to; |
| 2C2 | 0.85 to 1.30 | Greyish brown (2.5Y52) moist; few 2-10% coarse 15-30mm faint brown mottles; loamy sand; very few <2% subrounded quartz small pebbles 2-6mm; single grain structure; wet when sampled; clear to; |
| 3D1 | 1.30 to 1.80 | Light grey (10YR71) moist; coarse sandy light clay; few 2-10% subrounded quartz small pebbles 2-6mm; massive structure; moist when sampled; gradual to; |
| 3D2 | 1.80 to 2.10 | Light greenish grey (10BG81) moist; few 2-10% coarse 15-30mm distinct grey mottles; clayey coarse sand; few 2-10% subrounded quartz small pebbles 2-6mm; massive structure; moist when sampled; gradual to; |
| 3D3 | 2.10 to 2.40 | Olive yellow (2.5Y66) moist; few 2-10% fine <5mm prominent pale mottles; clayey coarse sand; few 2-10% subrounded quartz small pebbles 2-6mm; massive structure; moist when sampled; |

Field Tests:

| Depth | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.6 | 0.8 | |
| 0.30 | | | | | 4.6 | 1.1 | |
| 0.60 | | | | | 5.5 | 1.2 | |
| 0.80 | | | | | 5.7 | 1.3 | |
| 1.00 | | | | | 5.8 | 2.0 | |
| 1.25 | | | | | 5.8 | 1.3 | |
| 1.50 | | | | | 4.6 | 2.2 | |
| 1.75 | | | | | 4.7 | 2.4 | |
| 2.00 | | | | | 4.9 | 2.7 | |
| 2.25 | | | | | 5.0 | 2.9 | |

Notes:

Project: SEA

Site: 3117

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

508976 mE
508870 mE

7061258 mN
7061070 mN

Described By: Barry, Earl

Date: 16-Sep-1999

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: Alluvium
Element: No record
Permeability: No record
Microrelief Component: No record
Slope: 1 %

Classifications:

ASC: Sulfidic, Redoxic, HYDROSOL

GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| S1 | 0.00 to 0.10 | Very dark grey (10YR31) moist; sandy clay loam; massive structure; moist when sampled; clear to; |
| A11 | 0.10 to 0.30 | Black (10YR21) moist; sapric sandy clay loam; moderate 5-10mm subangular blocky structure; moist when sampled; clear to; |
| 2C1 | 0.30 to 0.55 | Greyish brown (2.5Y52) moist; loamy sand; single grain structure; moist when sampled; clear to; |
| 3B21ia | 0.55 to 0.70 | Black (5Y2.51) moist; common 10-20% medium 5-15mm prominent yellow jarositic (from pyrite) mottles; sandy light clay; massive structure; wet when sampled; clear to; |
| 4C2u | 0.70 to 1.70 | Very dark grey (5Y31) moist; heavy sandy loam; massive structure; wet when sampled; gradual to; |
| 4C3u | 1.70 to 1.90 | Dark grey (2.5Y41) moist; clayey sand; very few <2% subrounded quartz small pebbles 2-6mm; single grain structure; wet when sampled; gradual to; |
| 5D1 | 1.90 to 2.90 | Dark brown (7.5YR33) moist; loamy sand; very few <2% subrounded quartz small pebbles 2-6mm; single grain structure; wet when sampled; gradual to; |
| 5D2 | 2.90 to 3.60 | Very dark brown (7.5YR22) moist; loamy sand; few 2-10% subrounded quartz small pebbles 2-6mm; single grain structure; wet when sampled; |

Field Tests:

| Depth | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 5.9 | 1.5 | |
| 0.30 | | | | | 5.6 | 1.7 | |
| 0.60 | | | | | 4.3 | 0.9 | |
| 0.80 | | | | | 5.3 | 1.0 | |
| 1.00 | | | | | 5.7 | 1.1 | |
| 1.25 | | | | | 5.5 | 0.7 | |
| 1.50 | | | | | 5.7 | 0.8 | |
| 1.75 | | | | | 5.7 | 0.9 | |
| 2.00 | | | | | 5.6 | 1.1 | |
| 2.25 | | | | | 4.9 | 1.3 | |
| 2.50 | | | | | 5.2 | 1.9 | |
| 2.75 | | | | | 5.0 | 1.8 | |
| 3.00 | | | | | 5.0 | 2.7 | |
| 3.25 | | | | | 4.9 | 2.9 | |
| 3.50 | | | | | 4.9 | 2.9 | |

Notes:

Project: SEA

Site: 3118

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

508888 mE
508782 mE

7061095 mN
7060907 mN

Described By: Barry, Earl

Date: 16-Sep-1999

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: No record
Element: swamp
Permeability: No record
Microrelief Component: No record
Slope: 0 %

Classifications:

ASC: Kurosolic, Redoxic, HYDROSOL

GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| A11 | 0.00 to 0.10 | Black (10YR21) moist; sapric sandy clay loam; massive structure; moist when sampled; clear to; |
| B21 | 0.10 to 0.35 | Dark grey (2.5Y41) moist; few 2-10% medium 5-15mm faint brown mottles; sandy clay loam; massive structure; moist when sampled; clear to; |
| B3 | 0.35 to 0.55 | Dark grey (2.5Y41) moist; few 2-10% fine <5mm faint brown mottles; loamy sand; single grain structure; wet when sampled; clear to; |
| 2D1 | 0.55 to 0.60 | Black (10YR20) moist; loamy sand; massive structure; moderately cemented continuous massive ortstein; wet when sampled; |
| 2D2 | 0.60 to 1.10 | Black (10YR20) moist; loamy sand; massive structure; wet when sampled; |

Field Tests:

| Depth | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 5.0 | 4.2 | |
| 0.30 | | | | | 5.2 | 4.2 | |
| 0.45 | | | | | 5.7 | 4.2 | |
| 0.60 | | | | | 5.9 | 2.1 | |
| 0.80 | | | | | 5.6 | 3.1 | |
| 1.00 | | | | | 5.3 | 3.6 | |

Notes:

Project: SEA

Site: 3119

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

506806 mE
506700 mE

7057288 mN
7057100 mN

Described By: Barry, Earl

Date: 16-Sep-1999

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: firm

Substrate Lithology: Alluvium
Element: plain
Permeability: No record
Microrelief Component: No record
Slope: 0 %

Classifications:

ASC: Brown, KANDOSOL
GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| A1p | 0.00 to 0.35 | Black (10YR21) moist; sandy clay loam; weak 10-20mm subangular blocky structure; moderately moist when sampled; clear to; |
| B21 | 0.35 to 0.50 | Greyish brown (2.5Y53) moist; few 2-10% medium 5-15mm distinct brown, few 2-10% medium 5-15mm prominent red mottles; sandy light clay; massive structure; moist when sampled; clear to; |
| B22 | 0.50 to 0.70 | Grey (10YR51) moist; common 10-20% medium 5-15mm distinct grey, few 2-10% medium 5-15mm prominent brown mottles; sandy clay loam; massive structure; moist when sampled; |
| B3 | 0.70 to 1.05 | Grey (10YR51) moist; common 10-20% coarse 15-30mm distinct brown, few 2-10% medium 5-15mm prominent red mottles; loamy sand; single grain structure; wet when sampled; clear to; |
| 2B | 1.05 to 1.20 | Dark grey (2.5Y41) moist; few 2-10% medium 5-15mm faint brown mottles; clayey sand; common 10-20% angular shell medium pebbles 6-20mm; massive structure; wet when sampled; abrupt to; |
| 3D1 | 1.20 to 1.80 | Black (10YR21) moist; loamy sand; massive structure; moderately cemented continuous massive ortstein; wet when sampled; |

Field Tests:

| Depth | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 5.0 | 3.1 | |
| 0.30 | | | | | 5.7 | 4.2 | |
| 0.45 | | | | | 6.6 | 5.4 | |
| 0.60 | | | | | 6.8 | 4.9 | |
| 0.80 | | | | | 6.5 | 4.8 | |
| 1.10 | | | | | 6.7 | 2.9 | |
| 1.25 | | | | | 6.8 | 2.0 | |
| 1.50 | | | | | 6.7 | 1.6 | |
| 1.75 | | | | | 6.7 | 3.2 | |

Notes:

Project: SEA

Site: 3120

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

506458 mE
506352 mE

7057347 mN
7057159 mN

Described By: Barry, Earl

Date: 16-Sep-1999

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: firm

Substrate Lithology: Alluvium
Element: plain
Permeability: No record
Microrelief Component: No record
Slope: 0 %

Classifications:

ASC: Brown, KANDOSOL
GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| Ap | 0.00 to 0.35 | Black (10YR20) moist; sandy light medium clay; massive structure; moist when sampled; gradual to; |
| B2 | 0.35 to 0.50 | Very dark grey (10YR31) moist; few 2-10% fine <5mm distinct dark, few 2-10% fine <5mm distinct orange mottles; sandy medium clay; massive structure; moist when sampled; clear to; |
| B3 | 0.50 to 0.65 | Greyish brown (2.5Y52) moist; common 10-20% fine <5mm prominent orange mottles; sandy clay loam; massive structure; moist when sampled; clear to; |
| 2B21 | 0.65 to 1.25 | Light brownish grey (2.5Y62) moist; few 2-10% medium 5-15mm distinct orange, common 10-20% coarse 15-30mm distinct yellow mottles; loamy sand; single grain structure; moist when sampled; clear to; |
| 2C1u | 1.25 to 2.30 | Dark grey (5Y41) moist; clayey sand; single grain structure; moist when sampled; abrupt to; |
| 3D1 | 2.30 to 3.60 | Black (10YR21) moist; sand; single grain structure; weakly cemented continuous massive ortstein; moist when sampled; |

Field Tests:

| Depth | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 5.8 | 3.8 | |
| 0.30 | | | | | 5.7 | 4.0 | |
| 0.60 | | | | | 6.3 | 4.9 | |
| 0.80 | | | | | 6.5 | 5.5 | |
| 1.00 | | | | | 6.5 | 5.5 | |
| 1.25 | | | | | 6.1 | 4.9 | |
| 1.50 | | | | | 6.8 | 2.6 | |
| 1.75 | | | | | 6.9 | 3.0 | |
| 2.00 | | | | | 6.8 | 2.1 | |
| 2.25 | | | | | 6.7 | 1.6 | |
| 2.50 | | | | | 6.8 | 4.4 | |
| 3.00 | | | | | 6.7 | 2.6 | |
| 3.50 | | | | | 7.0 | 4.6 | |

Notes:

Project: SEA

Site: 3121

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

505680 mE
505574 mE

7063783 mN
7063595 mN

Described By: Barry, Earl

Date: 17-Sep-1999

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: soft

Substrate Lithology: Alluvium
Element: swamp
Permeability: No record
Microrelief Component: No record
Slope: 0 %

Classifications:

ASC: Sulfidic, Oxyaquic, HYDROSOL
GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| O1 | 0.00 to 0.30 | Black (10YR20) moist; hemic peat; massive structure; wet when sampled; clear to; |
| 2C1u | 0.30 to 0.55 | Very dark grey (2.5Y31) moist; silty light medium clay; massive structure; wet when sampled; clear to; |
| 2C2u | 0.55 to 1.40 | Greenish grey (5G51) moist; silty light medium clay; massive structure; wet when sampled; diffuse to; |
| 2C3u | 1.40 to 4.40 | Dark greenish grey (5G41) moist; silty light medium clay; very few <2% subangular shell small pebbles 2-6mm; massive structure; wet when sampled; diffuse to; |
| 2C4u | 4.40 to 6.00 | Dark greenish grey (10Y31) moist; silty light medium clay; very few <2% subangular shell large pebbles 20-60mm; massive structure; wet when sampled; |
| 2C5u | 6.00 to 6.40 | Very dark grey (5Y31) moist; silty medium clay; massive structure; wet when sampled; abrupt to; |
| 3D1 | 6.40 to 6.80 | Dark grey (2.5Y41) moist; few 2-10% medium 5-15mm prominent yellow mottles; silty medium clay; massive structure; wet when sampled; diffuse to; |
| 3D2 | 6.80 to 7.25 | Grey (N50) moist; many 20-50% coarse 15-30mm prominent yellow mottles; medium heavy clay; massive structure; moist when sampled; |

Field Tests:

| Depth | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 5.5 | 1.4 | |
| 0.30 | | | | | 5.7 | 1.3 | |
| 0.45 | | | | | 6.2 | 1.6 | |
| 0.60 | | | | | 6.5 | 1.1 | |
| 0.80 | | | | | 6.9 | 1.4 | |
| 1.00 | | | | | 7.3 | 1.3 | |
| 1.25 | | | | | 7.7 | 1.3 | |
| 1.50 | | | | | 7.6 | 1.3 | |
| 1.75 | | | | | 7.7 | 1.4 | |
| 2.00 | | | | | 8.0 | 1.4 | |
| 2.25 | | | | | 7.8 | 1.6 | |
| 2.50 | | | | | 7.6 | 1.3 | |
| 3.00 | | | | | 7.6 | 1.3 | |
| 3.50 | | | | | 7.7 | 1.4 | |
| 4.00 | | | | | 7.6 | 1.7 | |
| 4.25 | | | | | 7.7 | 1.9 | |
| 4.50 | | | | | 7.7 | 1.9 | |
| 4.75 | | | | | 7.7 | 1.6 | |
| 5.00 | | | | | 7.7 | 1.6 | |
| 5.50 | | | | | 7.6 | 1.7 | |
| 6.00 | | | | | 7.5 | 1.3 | |
| 6.30 | | | | | 7.5 | 2.0 | |
| 6.50 | | | | | 7.7 | 1.2 | |
| 6.75 | | | | | 7.8 | 2.5 | |
| 7.00 | | | | | 7.8 | 5.5 | |
| 7.25 | | | | | 7.9 | 7.0 | |

Project: SEA

Site: 3122

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

505256 mE
505150 mE

7064038 mN
7063850 mN

Described By: Barry, Earl

Date: 17-Sep-1999

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: Alluvium
Element: swamp
Permeability: No record
Microrelief Component: No record
Slope: 0 %

Classifications:

ASC: Sulfidic, Redoxic, HYDROSOL
GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| S1 | 0.00 to 0.72 | Dark greenish grey (10GY31) moist; few 2-10% medium 5-15mm prominent yellow jarositic (from pyrite), common 10-20% medium 5-15mm prominent brown, common 10-20% medium 5-15mm prominent dark mottles; medium clay; massive structure; moist when sampled; abrupt to; |
| A11 | 0.72 to 0.95 | Black (10YR21) moist; hemic peat; massive structure; moist when sampled; clear |
| 2B21 | 0.95 to 1.55 | Dark greyish brown (2.5Y42) moist; common 10-20% coarse 15-30mm distinct dark mottles; fine sandy light clay; massive structure; moist when sampled; clear to; |
| 2B22 | 1.55 to 2.10 | Dark greenish grey (5G41) moist; few 2-10% medium 5-15mm faint gley mottles; silty light medium clay; massive structure; moist when sampled; gradual to; |
| 3C1u | 2.10 to 2.60 | Dark greenish grey (5GY41) moist; clayey sand; massive structure; moist when sampled; diffuse to; |
| 3C2u | 2.60 to 4.10 | Grey (2.5Y51) moist; sand; single grain structure; moist when sampled; gradual to; |
| 4C3u | 4.10 to 4.45 | Black (10YR21) moist; sand; single grain structure; abrupt to; |
| 5D | 4.45 to 4.80 | Greyish green (5G42) moist; many 20-50% medium 5-15mm distinct gley mottles; medium clay; massive structure; moist when sampled; |

Field Tests:

| Depth | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 2.5 | 1.1 | |
| 0.30 | | | | | 2.9 | 0.9 | |
| 0.60 | | | | | 4.3 | 0.9 | |
| 0.80 | | | | | 6.0 | 1.3 | |
| 1.00 | | | | | 5.3 | 2.1 | |
| 1.25 | | | | | 6.0 | 1.4 | |
| 1.50 | | | | | 6.2 | 1.1 | |
| 1.75 | | | | | 6.3 | 1.2 | |
| 2.00 | | | | | 6.6 | 1.5 | |
| 2.25 | | | | | 7.6 | 1.1 | |
| 2.50 | | | | | 7.8 | 1.4 | |
| 2.75 | | | | | 7.7 | 1.0 | |
| 3.00 | | | | | 7.6 | 0.9 | |
| 3.25 | | | | | 7.6 | 1.1 | |
| 3.50 | | | | | 7.3 | 1.0 | |
| 3.75 | | | | | 6.9 | 1.3 | |
| 4.00 | | | | | 6.9 | 1.1 | |
| 4.25 | | | | | 6.9 | 1.0 | |
| 4.50 | | | | | 7.8 | 5.4 | |
| 4.75 | | | | | 8.4 | 7.1 | |

Notes:

Project: SEA

Site: 3123

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

505680 mE
505574 mE

7063783 mN
7063595 mN

Described By: Barry, Earl

Date: 17-Sep-1999

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: recently cultivated

Substrate Lithology: Alluvium
Element: swamp
Permeability: No record
Microrelief Component: No record
Slope: 1 %

Classifications:

ASC: Sulfidic, Redoxic, HYDROSOL
GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| A11 | 0.00 to 0.25 | Black (10YR21) moist; sapric clay loam; massive structure; moist when sampled; clear to; |
| 2B2 | 0.25 to 0.60 | Very dark greyish brown (2.5Y32) moist; few 2-10% medium 5-15mm faint orange mottles; silty medium clay; massive structure; moist when sampled; gradual to; |
| 2C1u | 0.60 to 1.80 | Dark greenish grey (5G41) moist; silty light medium clay; massive structure; wet when sampled; gradual to; |
| 2C2u | 1.80 to 2.60 | Dark greenish grey (5GY41) moist; sandy light clay; few 2-10% subangular shell medium pebbles 6-20mm; massive structure; wet when sampled; abrupt to; |
| 3D1 | 2.60 to 2.75 | Black (10YR21) moist; loamy sand; massive structure; very few <2% concretions; wet when sampled; clear to; |
| 3D2 | 2.75 to 3.50 | Dark greyish brown (10YR42) moist; few 2-10% coarse 15-30mm prominent brown mottles; loamy sand; massive structure; wet when sampled; gradual to; |
| 3D3 | 3.50 to 4.80 | Yellowish brown (10YR54) moist; few 2-10% coarse 15-30mm prominent brown mottles; loamy sand; massive structure; wet when sampled; |

Field Tests:

| Depth | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 3.6 | 0.8 | |
| 0.30 | | | | | 5.2 | 1.9 | |
| 0.60 | | | | | 5.8 | 1.2 | |
| 0.80 | | | | | 6.5 | 1.3 | |
| 1.00 | | | | | 6.7 | 1.2 | |
| 1.25 | | | | | 7.4 | 1.2 | |
| 1.50 | | | | | 7.3 | 1.3 | |
| 1.75 | | | | | 7.2 | 1.2 | |
| 2.00 | | | | | 7.7 | 1.1 | |
| 2.25 | | | | | 7.4 | 1.3 | |
| 2.50 | | | | | 7.3 | 1.3 | |
| 2.75 | | | | | 7.2 | 5.8 | |
| 3.00 | | | | | 7.2 | 5.8 | |
| 3.25 | | | | | 7.1 | 5.9 | |
| 3.50 | | | | | 7.0 | 6.0 | |
| 3.75 | | | | | 6.9 | 5.7 | |
| 4.00 | | | | | 6.9 | 5.9 | |
| 4.25 | | | | | 6.9 | 5.8 | |
| 4.50 | | | | | 6.9 | 5.6 | |
| 4.75 | | | | | 6.7 | 5.7 | |

Notes:

Horizon - B22

Texture has silty qualifier annotated 2C2 1.8 - 2.6m.

Project: SEA

Site: 3124

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

506300 mE
506194 mE

7064032 mN
7063844 mN

Described By: Barry, Earl

Date: 21-Sep-1999

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: soft

Substrate Lithology: Alluvium
Element: swamp
Permeability: No record
Microrelief Component: No record
Slope: 0 %

Classifications:

ASC: Sulfuric, Redoxic, HYDROSOL
GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| S1 | 0.00 to 0.50 | Dark grey (5Y41) moist; common 10-20% medium 5-15mm prominent brown, few 2-10% medium 5-15mm prominent yellow jarositic (from pyrite) mottles; fine sandy light medium clay; massive structure; moist when sampled; abrupt to; |
| A3 | 0.50 to 0.60 | Black (2.5Y21) moist; common 10-20% medium 5-15mm distinct grey mottles; sapric clay loam; massive structure; moist when sampled; clear to; |
| 2B21 | 0.60 to 1.20 | Dark grey (5Y41) moist; common 10-20% medium 5-15mm prominent brown mottles; fine sandy light medium clay; massive structure; moist when sampled; |
| 2B22ia | 1.20 to 1.60 | Dark greenish grey (10Y41) moist; few 2-10% medium 5-15mm prominent yellow jarositic (from pyrite), few 2-10% medium 5-15mm prominent brown mottles; silty light medium clay; massive structure; moist when sampled; gradual to; |
| 2C1 | 1.60 to 2.20 | Dark greenish grey (5GY41) moist; sandy light clay; few 2-10% subangular shell medium pebbles 6-20mm; massive structure; wet when sampled; clear to; |
| 3D1 | 2.20 to 2.40 | Black (10YR21) moist; loamy sand; massive structure; wet when sampled; |

Field Tests:

| Depth | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 3.8 | 2.2 | |
| 0.30 | | | | | 4.0 | 2.2 | |
| 0.60 | | | | | 4.4 | 1.9 | |
| 0.80 | | | | | 4.4 | 2.3 | |
| 1.00 | | | | | 3.8 | 2.0 | |
| 1.25 | | | | | 3.9 | 2.0 | |
| 1.50 | | | | | 4.1 | 1.7 | |
| 1.75 | | | | | 5.8 | 1.4 | |
| 2.00 | | | | | 6.5 | 1.4 | |
| 2.25 | | | | | 6.6 | 2.1 | |

Notes:

Horizon - B22 Horizon 2C2 - Texture recorded as ZLMC + fine sand.
Site A1 horizon in uncleared area is just 0.2m deep (and = to 0.6m at this site)
Texture Texture has silty qualifier annotated for horizons M1 0 - 0.5m, and 2C1u 1.6 - 2.2m .

Project: SEA

Site: 3125

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

506241 mE
506135 mE

7063693 mN
7063505 mN

Described By: Barry, Earl

Date: 21-Sep-1999

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record

Substrate Lithology: Alluvium
Element: swamp
Permeability: No record
Microrelief Component: No record
Slope: 0 %

Classifications:

ASC: Sulfidic, Redoxic, HYDROSOL
GSG: No record

PPF: No record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| A11 | 0.00 to 0.20 | Black (10YR21) moist; fibric clay loam; massive structure; moist when sampled; clear to; |
| 2B21 | 0.20 to 0.50 | Dark greyish brown (2.5Y42) moist; common 10-20% coarse 15-30mm prominent brown mottles; silty light medium clay; massive structure; wet when sampled; |
| 2B22ia | 0.50 to 0.70 | Dark grey (5Y41) moist; few 2-10% coarse 15-30mm prominent brown, very few <2% medium 5-15mm prominent yellow jarositic (from pyrite) mottles; silty light medium clay; massive structure; wet when sampled; clear to; |
| 2B23iu | 0.70 to 0.90 | Dark grey (5Y41) moist; common 10-20% coarse 15-30mm prominent brown mottles; silty light medium clay; massive structure; wet when sampled; clear to; |
| 2C1u | 0.90 to 1.80 | Dark greenish grey (5G41) moist; silty light medium clay; massive structure; wet when sampled; diffuse to; |
| 2C2u | 1.80 to 4.20 | Dark greenish grey (5G41) moist; silty light medium clay; very few <2% subangular shell small pebbles 2-6mm; massive structure; wet when sampled; clear to; |
| 2C3u | 4.20 to 4.40 | Dark greenish grey (5GY41) moist; sandy light medium clay; massive structure; wet when sampled; clear to; |
| 2C4u | 4.40 to 4.95 | Black (2.5Y21) moist; many 20-50% very coarse >30mm distinct grey mottles; loamy sand; massive structure; wet when sampled; abrupt to; |
| 3D1 | 4.95 to 5.45 | Black (2.5Y21) moist; loamy sand; massive structure; strongly cemented continuous massive ortstein; wet when sampled; clear to; |
| 4D2 | 5.45 to 5.65 | Greyish brown (2.5Y52) moist; light loamy sand; massive structure; wet when sampled; clear to; |
| 5D3 | 5.65 to 6.03 | Dark grey (N40) moist; few 2-10% medium 5-15mm distinct pale mottles; medium heavy clay; massive structure; moist when sampled; |

Field Tests:

| Depth | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 5.0 | 2.8 | |
| 0.30 | | | | | 4.3 | 2.5 | |
| 0.60 | | | | | 5.1 | 1.9 | |
| 0.80 | | | | | 6.1 | 1.5 | |
| 1.00 | | | | | 6.6 | 1.8 | |
| 1.25 | | | | | 6.4 | 1.6 | |
| 1.50 | | | | | 6.9 | 1.7 | |
| 1.75 | | | | | 7.1 | 1.8 | |
| 2.00 | | | | | 7.4 | 1.8 | |
| 2.25 | | | | | 7.6 | 1.8 | |
| 2.50 | | | | | 7.7 | 1.8 | |
| 3.00 | | | | | 7.7 | 1.6 | |
| 3.50 | | | | | 8.1 | 1.4 | |
| 4.00 | | | | | 7.9 | 1.7 | |
| 4.25 | | | | | 7.3 | 2.0 | |
| 4.50 | | | | | 7.1 | 0.9 | |
| 4.75 | | | | | 7.4 | 1.0 | |
| 5.00 | | | | | 7.0 | 4.0 | |
| 5.25 | | | | | 6.8 | 4.1 | |
| 5.50 | | | | | 6.7 | 4.5 | |
| 5.75 | | | | | 7.1 | 5.1 | |
| 6.00 | | | | | 6.9 | 3.5 | |

Project: SEA

Site: 3126

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56 505787 mE
ZONE 56 505681 mE

7064434 mN
7064246 mN

Described By: Barry, Earl

Date: 22-Sep-1999

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: soft

Substrate Lithology: No record
Element: swamp
Permeability: No record
Microrelief Component: No record
Slope: 0 %

Classifications:

ASC: Sulfuric, Redoxic, HYDROSOL
GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| A11 | 0.00 to 0.20 | Black (10YR21) moist; sapric clay loam; massive structure; moist when sampled; clear to; |
| 2B21 | 0.20 to 0.50 | Olive grey (5Y42) moist; common 10-20% medium 5-15mm distinct brown mottles; clay loam, fine sandy; massive structure; moist when sampled; clear to; |
| 2B22 | 0.50 to 0.80 | Dark grey (5Y41) moist; common 10-20% coarse 15-30mm prominent orange mottles; sandy light clay; massive structure; wet when sampled; abrupt to; |
| 3D1 | 0.80 to 1.15 | Black (10YR21) moist; loamy sand; massive structure; moist when sampled; |

Field Tests:

| Depth | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.1 | 3.1 | |
| 0.30 | | | | | 3.7 | 2.6 | |
| 0.60 | | | | | 3.1 | 1.0 | |
| 0.80 | | | | | 3.3 | 1.0 | |
| 1.00 | | | | | 5.6 | 1.3 | |

Notes:

Site Horizon 2B22i - Mottles in 2B22 horizon occur in sand lenses

Project: SEA

Site: 3127

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

506073 mE
505967 mE

7064622 mN
7064434 mN

Described By: Barry, Earl

Date: 22-Sep-1999

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: No record
Element: swamp
Permeability: No record
Microrelief Component: No record
Slope: 0 %

Classifications:

ASC: Sulfidic, Redoxic, HYDROSOL
GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| A11 | 0.00 to 0.20 | Black (10YR21) moist; sapric clay loam; massive structure; moist when sampled; clear to; |
| 2B21ia | 0.20 to 0.50 | Dark greyish brown (2.5Y42) moist; few 2-10% medium 5-15mm prominent orange mottles; sandy light clay; weak 5-10mm subangular blocky structure; moist when sampled; clear to; |
| 2B22 | 0.50 to 0.70 | Dark grey (5Y41) moist; few 2-10% medium 5-15mm distinct orange mottles; sandy light clay; very few <2% subrounded quartz small pebbles 2-6mm; massive structure; wet when sampled; abrupt to; |
| 3D1 | 0.70 to 0.90 | Black (10YR21) moist; loamy sand; very few <2% rounded quartz medium pebbles 6-20mm; massive structure; moist when sampled; clear to; |
| 3D2 | 0.90 to 1.15 | Very dark grey (5Y31) moist; clayey sand; weak structure; moist when sampled; |

Field Tests:

| Depth | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 5.2 | 4.0 | |
| 0.30 | | | | | 4.8 | 3.6 | |
| 0.60 | | | | | 4.4 | 3.3 | |
| 0.80 | | | | | 5.6 | 1.2 | |
| 0.90 | | | | | 6.5 | 1.7 | |
| 1.00 | | | | | 6.5 | 1.2 | |

Notes:

Site Horizon 2B21ia - Lens of grey estuarine clayey sand recorded as coarse fragments
Soil Horizon 3D2 - Thin tongue of grey estuarine clayey sand material - reactive

Project: SEA

Site: 3128

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56 505950 mE
ZONE 56 505844 mE

7065279 mN
7065091 mN

Described By: Barry, Earl

Date: 22-Sep-1999

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Drainage: No record

Substrate Lithology: Alluvium
Element: plain
Slope: 0 %

Classifications:

ASC: Sulfuric, Redoxic, HYDROSOL
GSG: No record

PPF: No record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| A11 | 0.00 to 0.20 | Dark grey (2.5Y41) moist; common 10-20% medium 5-15mm prominent orange mottles; sandy clay loam; massive structure; moist when sampled; abrupt to; |
| 2B21 | 0.20 to 0.50 | Grey (5Y51) moist; few 2-10% medium 5-15mm prominent orange mottles; heavy clay loam, sandy; massive structure; moist when sampled; clear to; |
| 2B22 | 0.50 to 0.87 | Grey (5Y61) moist; few 2-10% medium 5-15mm prominent orange, few 2-10% coarse 15-30mm distinct grey mottles; clayey sand; single grain structure; moist when sampled; clear to; |
| 2B23 | 0.87 to 1.00 | Dark grey (5Y41) moist; few 2-10% medium 5-15mm prominent orange mottles; sandy light clay; massive structure; wet when sampled; |
| 2B3 | 1.00 to 1.50 | Grey (5Y51) moist; few 2-10% medium 5-15mm distinct grey mottles; sandy clay loam; massive structure; wet when sampled; abrupt to; |
| 3Bh | 1.50 to 1.60 | Black (10YR21) moist; loamy sand; massive structure; wet when sampled; abrupt |
| 3B2 | 1.60 to 3.10 | Dark greyish brown (10YR42) moist; common 10-20% very coarse >30mm distinct brown mottles; sand; single grain structure; wet when sampled; diffuse to; |
| 4C1 | 3.10 to 4.30 | Grey (5Y51) moist; sand; single grain structure; wet when sampled; abrupt to; |
| 5C2u | 4.30 to 5.10 | Dark greenish grey (10Y31) moist; silty medium clay; massive structure; wet when sampled; |
| 5C3u | 5.10 to 6.00 | Dark greenish grey (5GY31) moist; silty medium clay; massive structure; moist when sampled; abrupt to; |
| 6D1 | 6.00 to 6.50 | Grey (N50) moist; very few <2% medium 5-15mm prominent yellow mottles; sandy medium heavy clay; massive structure; moist when sampled; gradual to; |
| 6D2 | 6.50 to 7.20 | Grey (5Y51) moist; few 2-10% medium 5-15mm prominent red, few 2-10% medium 5-15mm prominent yellow, few 2-10% coarse 15-30mm faint grey mottles; medium |

Field Tests:

| Depth | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 3.5 | 2.3 | |
| 0.30 | | | | | 4.1 | 2.7 | |
| 0.60 | | | | | 3.8 | 2.5 | |
| 0.80 | | | | | 4.2 | 2.2 | |
| 1.00 | | | | | 4.5 | 2.2 | |
| 1.25 | | | | | 5.7 | 1.4 | |
| 1.50 | | | | | 5.4 | 1.1 | |
| 1.75 | | | | | 6.0 | 1.4 | |
| 2.00 | | | | | 6.1 | 1.5 | |
| 2.25 | | | | | 5.5 | 2.0 | |
| 2.50 | | | | | 5.9 | 2.2 | |
| 2.75 | | | | | 6.5 | 2.1 | |
| 3.00 | | | | | 6.7 | 2.1 | |
| 3.25 | | | | | 6.6 | 1.9 | |
| 3.50 | | | | | 6.7 | 1.1 | |
| 3.75 | | | | | 7.3 | 1.5 | |
| 4.00 | | | | | 7.5 | 1.5 | |
| 4.25 | | | | | 6.4 | 1.4 | |
| 4.50 | | | | | 7.4 | 1.3 | |
| 4.75 | | | | | 7.4 | 1.1 | |
| 5.00 | | | | | 7.1 | 1.7 | |
| 5.50 | | | | | 7.2 | 1.8 | |
| 6.00 | | | | | 7.4 | 1.6 | |
| 6.50 | | | | | 7.5 | 5.6 | |
| 7.00 | | | | | 7.6 | 3.0 | |

Project: SEA **Site:** 3129
Location: GDA 94 ZONE 56 505797 mE 7065724 mN
Location: AGD 84 ZONE 56 505691 mE 7065536 mN

Described By: Barry, Earl **Date:** 22-Sep-1999

Landscape:

Geology: No record **Substrate Lithology:** No record
Landform Pattern: alluvial plain **Element:** plain
Runoff: No record **Permeability:** No record
Microrelief: No record **Microrelief Component:** No record
Drainage: No record **Slope:** 1 %
Surface Coarse Fragments: No record

Classifications:

ASC: PODOSOL **PPF:** No record
GSG: No record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| S1 | 0.00 to 0.25 | Very dark grey (10YR31) moist; light sandy clay loam; massive structure; moist when sampled; clear to; |
| A11 | 0.25 to 0.45 | Black (10YR21) moist; sapric sandy clay loam; weak 5-10mm subangular blocky structure; moist when sampled; clear to; |
| A12 | 0.45 to 0.70 | Very dark grey (2.5Y31) moist; heavy sandy loam; massive structure; wet when sampled; clear to; |
| A2e | 0.70 to 1.30 | Light grey (10YR72) moist; very few <2% fine <5mm distinct orange mottles; sand; very few <2% subrounded quartz medium pebbles 6-20mm; single grain structure; wet when sampled; gradual to; |
| 2C1u | 1.30 to 1.70 | Dark brown (10YR33) moist; coarse sand; very few <2% subrounded quartz small pebbles 2-6mm; single grain structure; wet when sampled; gradual to; |
| 2C2u | 1.70 to 3.10 | Dark greyish brown (2.5Y42) moist; coarse sand; few 2-10% subrounded quartz small pebbles 2-6mm; single grain structure; wet when sampled; diffuse to; |
| 3C3 | 3.10 to 4.00 | Olive grey (5Y52) moist; sand; single grain structure; wet when sampled; diffuse |
| 4C4 | 4.00 to 4.95 | Grey (2.5Y61) moist; sand; single grain structure; wet when sampled; clear to; |
| 5C5 | 4.95 to 6.70 | Dark greenish grey (10Y31) moist; silty medium clay; massive structure; wet when sampled; abrupt to; |
| 6D1 | 6.70 to 7.20 | Dark grey (N40) moist; few 2-10% coarse 15-30mm distinct dark mottles; silty medium heavy clay; massive structure; wet when sampled; |

Field Tests:

| Depth | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.6 | 3.1 | |
| 0.30 | | | | | 6.1 | 2.5 | |
| 0.60 | | | | | 5.4 | 2.3 | |
| 0.80 | | | | | 5.2 | 3.2 | |
| 1.00 | | | | | 5.1 | 3.0 | |
| 1.25 | | | | | 5.3 | 3.3 | |
| 1.50 | | | | | 5.4 | 3.4 | |
| 1.75 | | | | | 5.3 | 1.5 | |
| 2.00 | | | | | 5.0 | 1.6 | |
| 2.25 | | | | | 5.2 | 1.5 | |
| 2.50 | | | | | 5.4 | 1.4 | |
| 2.75 | | | | | 5.1 | 1.1 | |
| 3.00 | | | | | 5.1 | 1.3 | |
| 3.25 | | | | | 5.2 | 1.3 | |
| 3.50 | | | | | 5.1 | 1.3 | |
| 3.75 | | | | | 5.8 | 1.4 | |
| 4.00 | | | | | 5.7 | 1.2 | |
| 4.25 | | | | | 5.7 | 1.3 | |
| 4.50 | | | | | 5.6 | 1.3 | |
| 4.75 | | | | | 5.7 | 1.3 | |
| 5.00 | | | | | 6.6 | 1.1 | |
| 5.50 | | | | | 6.4 | 0.9 | |
| 6.00 | | | | | 6.8 | 0.9 | |
| 6.50 | | | | | 7.2 | 1.0 | |
| 6.75 | | | | | 7.1 | 1.6 | |
| 7.00 | | | | | 7.3 | 2.3 | |

Project: SEA

Site: 3130

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

506554 mE
506448 mE

7063660 mN
7063472 mN

Described By: Barry, Earl

Date: 23-Sep-1999

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: Alluvium
Element: swamp
Permeability: No record
Microrelief Component: No record
Slope: 0 %

Classifications:

ASC: Sulfidic, Redoxic, HYDROSOL
GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| S1 | 0.00 to 0.10 | Black (10YR21) moist; sapric clay loam; massive structure; moist when sampled; abrupt to; |
| S2 | 0.10 to 0.20 | Brownish yellow (10YR66) moist; sandy clay loam; few 2-10% subangular gravel large pebbles 20-60mm; moderate 5-10mm subangular blocky structure; moist when sampled; abrupt to; |
| A1p | 0.20 to 0.45 | Black (10YR21) moist; sapric light clay; massive structure; moist when sampled; clear to; |
| 2B21 | 0.45 to 0.65 | Dark grey (2.5Y41) moist; few 2-10% coarse 15-30mm prominent orange, few 2-10% medium 5-15mm distinct dark mottles; silty medium clay; massive structure; moist when sampled; clear to; |
| 2B22 | 0.65 to 1.00 | Dark greenish grey (10GY31) moist; few 2-10% coarse 15-30mm prominent orange mottles; silty light medium clay; massive structure; wet when sampled; clear to; |
| 2C1u | 1.00 to 1.70 | Dark greenish grey (10GY31) moist; silty light medium clay; massive structure; wet when sampled; gradual to; |
| 2C2u | 1.70 to 2.70 | Dark greenish grey (10GY41) moist; silty light medium clay; many 20-50% subangular shell medium pebbles 6-20mm; massive structure; wet when sampled; |
| 2C3 | 2.70 to 2.80 | Dark greenish grey (10GY41) moist; silty light medium clay; many 20-50% subangular shell large pebbles 20-60mm; massive structure; uncemented not known, historical data; wet when sampled; |
| 3D1 | 2.80 to 3.00 | Dark greyish brown (10YR42) moist; loamy sand; massive structure; moderately cemented continuous massive other pan; moist when sampled; |
| 4D2 | 3.00 to 3.60 | Black (10YR21) moist; many 20-50% very coarse >30mm prominent brown mottles; loamy sand; massive structure; wet when sampled; |

Field Tests:

| Depth | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 5.6 | 2.6 | |
| 0.30 | | | | | 4.9 | 2.1 | |
| 0.60 | | | | | 6.1 | 3.3 | |
| 0.80 | | | | | 6.3 | 2.2 | |
| 1.25 | | | | | 7.1 | 1.7 | |
| 1.50 | | | | | 7.3 | 1.6 | |
| 1.75 | | | | | 7.5 | 1.6 | |
| 2.00 | | | | | 7.2 | 1.6 | |
| 2.25 | | | | | 7.3 | 1.6 | |
| 2.50 | | | | | 7.1 | 1.7 | |
| 2.75 | | | | | 7.0 | 1.7 | |
| 3.00 | | | | | 6.9 | 4.7 | |
| 3.25 | | | | | 6.9 | 5.5 | |
| 3.50 | | | | | 6.8 | 5.7 | |

Notes:

Site Cleared tea tree swamp
Site Fill 0-0.2m

Project: SEA

Site: 3131

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

506875 mE
506769 mE

7063631 mN
7063443 mN

Described By: Barry, Earl

Date: 23-Sep-1999

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: No record
Element: plain
Permeability: No record
Microrelief Component: No record
Slope: 1 %

Classifications:

ASC: Sulfuric, Redoxic, HYDROSOL
GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| S1 | 0.00 to 0.10 | Very dark brown (10YR22) moist; sandy medium clay; massive structure; moist when sampled; clear to; |
| A1 | 0.10 to 0.20 | Black (10YR21) moist; sapric sandy medium clay; massive structure; moist when sampled; abrupt to; |
| 2B21i | 0.20 to 0.70 | Dark grey (2.5Y41) moist; common 10-20% medium 5-15mm prominent brown mottles; silty medium heavy clay; massive structure; moist when sampled; gradual |
| 2B22i | 0.70 to 1.00 | Dark grey (5Y41) moist; common 10-20% medium 5-15mm prominent brown mottles; silty light medium clay; massive structure; wet when sampled; clear to; |
| 2B23ia | 1.00 to 1.30 | Dark greenish grey (10Y31) moist; few 2-10% medium 5-15mm prominent yellow jarositic (from pyrite), few 2-10% medium 5-15mm prominent brown mottles; silty light medium clay; massive structure; wet when sampled; abrupt to; |
| 3D1 | 1.30 to 1.60 | Black (10YR21) moist; loamy sand; massive structure; strongly cemented discontinuous massive ortstein; wet when sampled; clear to; |
| 3D2 | 1.60 to 2.40 | Dark yellowish brown (10YR44) moist; heavy sand; massive structure; wet when sampled; |

Field Tests:

| Depth | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 3.6 | 1.8 | |
| 0.30 | | | | | 4.0 | 1.7 | |
| 0.60 | | | | | 3.8 | 2.5 | |
| 0.80 | | | | | 3.7 | 2.1 | |
| 1.00 | | | | | 3.8 | 2.0 | |
| 1.25 | | | | | 6.6 | 1.2 | |
| 1.50 | | | | | 6.6 | 3.9 | |
| 1.75 | | | | | 6.3 | 4.9 | |
| 2.00 | | | | | 6.3 | 4.9 | |
| 2.25 | | | | | 6.3 | 4.8 | |

Notes:

Project: SEA

Site: 3132

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

507240 mE
507134 mE

7063577 mN
7063389 mN

Described By: Barry, Earl

Date: 23-Sep-1999

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: No record
Element: plain
Permeability: No record
Microrelief Component: No record
Slope: 1 %

Classifications:

ASC: Sulfidic, Redoxic, HYDROSOL
GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| S1 | 0.00 to 0.25 | Very dark greyish brown (10YR32) moist; sandy medium heavy clay; massive structure; moist when sampled; abrupt to; |
| A11 | 0.25 to 0.35 | Black (10YR21) moist; sandy medium clay; massive structure; moist when sampled; abrupt to; |
| 2B21 | 0.35 to 0.85 | Dark grey (2.5Y41) moist; common 10-20% medium 5-15mm prominent orange mottles; silty medium clay; massive structure; moist when sampled; clear to; |
| 3C1 | 0.85 to 1.10 | Dark grey (5Y41) moist; clay loam, sandy; massive structure; wet when sampled; gradual to; |
| 3C2 | 1.10 to 1.30 | Dark grey (5Y41) moist; clayey sand; single grain structure; wet when sampled; clear to; |
| 4D1 | 1.30 to 1.70 | Black (10YR20) moist; loamy sand; massive structure; wet when sampled; diffuse |
| 4D2 | 1.70 to 2.40 | Yellowish brown (10YR54) moist; loamy sand; massive structure; wet when |

Field Tests:

| Depth | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.7 | 1.8 | |
| 0.30 | | | | | 4.4 | 1.9 | |
| 0.60 | | | | | 4.2 | 2.7 | |
| 0.80 | | | | | 4.0 | 2.6 | |
| 1.00 | | | | | 4.4 | 2.7 | |
| 1.25 | | | | | 5.7 | 1.6 | |
| 1.50 | | | | | 6.3 | 1.3 | |
| 1.75 | | | | | 6.2 | 3.2 | |
| 2.00 | | | | | 6.3 | 3.5 | |
| 2.25 | | | | | 6.3 | 4.3 | |

Notes:

Project: SEA

Site: 3133

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

506891 mE
506785 mE

7063149 mN
7062961 mN

Described By: Barry, Earl

Date: 23-Sep-1999

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: No record
Element: plain
Permeability: No record
Microrelief Component: No record
Slope: 0 %

Classifications:

ASC: Sulfuric, Redoxic, HYDROSOL
GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| A1 | 0.00 to 0.15 | Black (10YR21) moist; light clay; massive structure; moist when sampled; abrupt |
| 2B21 | 0.15 to 0.45 | Dark grey (5Y41) moist; few 2-10% medium 5-15mm prominent orange mottles; medium clay; massive structure; moist when sampled; clear to; |
| 2B22ia | 0.45 to 0.80 | Dark greenish grey (10Y41) moist; few 2-10% medium 5-15mm prominent orange, very few <2% fine <5mm prominent yellow jarositic (from pyrite) mottles; silty medium clay; massive structure; clear to; |
| 2C1 | 0.80 to 1.60 | Dark greenish grey (10GY41) moist; very few <2% fine <5mm prominent brown mottles; silty light medium clay; massive structure; wet when sampled; diffuse to; |
| 2C2 | 1.60 to 5.77 | Dark greenish grey (5GY41) moist; silty light medium clay; very few <2% subangular shell small pebbles 2-6mm; massive structure; wet when sampled; clear |
| 3D1 | 5.77 to 6.03 | Grey (2.5Y51) moist; few 2-10% medium 5-15mm distinct brown mottles; sandy medium clay; massive structure; |

Field Tests:

| Depth | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.0 | 1.8 | |
| 0.30 | | | | | 3.8 | 2.3 | |
| 0.60 | | | | | 3.6 | 1.8 | |
| 0.80 | | | | | 4.9 | 1.7 | |
| 1.00 | | | | | 6.2 | 1.6 | |
| 1.25 | | | | | 6.7 | 1.5 | |
| 1.50 | | | | | 6.8 | 1.5 | |
| 1.75 | | | | | 7.1 | 1.6 | |
| 2.00 | | | | | 7.4 | 1.6 | |
| 2.25 | | | | | 7.4 | 1.6 | |
| 2.50 | | | | | 7.5 | 1.6 | |
| 3.00 | | | | | 7.7 | 1.7 | |
| 3.50 | | | | | 7.6 | 1.5 | |
| 4.00 | | | | | 7.4 | 1.7 | |
| 4.50 | | | | | 7.5 | 1.8 | |
| 5.00 | | | | | 7.8 | 1.7 | |
| 5.50 | | | | | 7.8 | 1.4 | |
| 6.00 | | | | | 7.6 | 3.3 | |

Notes:

Project: SEA

Site: 3134

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

507151 mE
507045 mE

7063254 mN
7063066 mN

Described By: Barry, Earl

Date: 23-Sep-1999

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: No record
Element: plain
Permeability: No record
Microrelief Component: No record
Slope: 0 %

Classifications:

ASC: Sulfidic, Redoxic, HYDROSOL
GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| A1p | 0.00 to 0.30 | Very dark grey (10YR31) moist; light medium clay; moderate 5-10mm polyhedral structure; moist when sampled; clear to; |
| 2B21 | 0.30 to 0.60 | Very dark grey (5Y31) moist; few 2-10% medium 5-15mm prominent brown mottles; silty medium clay; massive structure; moist when sampled; gradual to; |
| 2C1u | 0.60 to 1.00 | Dark greenish grey (5GY41) moist; silty light medium clay; massive structure; wet when sampled; clear to; |
| 3A1 | 1.00 to 1.30 | Black (10YR21) moist; fibric peat; massive structure; wet when sampled; clear to; |
| 4C2 | 1.30 to 4.30 | Dark greenish grey (5G41) moist; silty light medium clay; massive structure; wet when sampled; diffuse to; |
| 4C3 | 4.30 to 4.70 | Dark greenish grey (10Y31) moist; clay loam, sandy; few 2-10% subangular shell medium pebbles 6-20mm; massive structure; wet when sampled; abrupt to; |
| 5D1 | 4.70 to 4.80 | Olive brown (2.5Y44) moist; sandy medium clay; massive structure; moist when sampled; |

Field Tests:

| Depth | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.2 | 2.4 | |
| 0.30 | | | | | 4.1 | 1.9 | |
| 0.60 | | | | | 6.3 | 2.4 | |
| 0.80 | | | | | 6.7 | 1.4 | |
| 1.00 | | | | | 6.5 | 2.4 | |
| 1.25 | | | | | 6.4 | 1.4 | |
| 1.50 | | | | | 7.0 | 1.5 | |
| 1.75 | | | | | 7.0 | 1.9 | |
| 2.00 | | | | | 7.1 | 1.6 | |
| 2.25 | | | | | 7.3 | 1.9 | |
| 2.50 | | | | | 7.2 | 1.6 | |
| 3.00 | | | | | 7.6 | 1.3 | |
| 3.50 | | | | | 7.6 | 1.3 | |
| 4.00 | | | | | 7.7 | 1.2 | |
| 4.50 | | | | | 7.4 | 1.1 | |
| 4.75 | | | | | 7.2 | 1.6 | |

Notes:

Site Horizon 4C3u - Gastropod in coarse fragments

Project: SEA

Site: 3135

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

506461 mE
506355 mE

7062555 mN
7062367 mN

Described By: Barry, Earl

Date: 24-Sep-1999

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: soft

Substrate Lithology: No record
Element: swamp
Permeability: No record
Microrelief Component: No record
Slope: 0 %

Classifications:

ASC: Sulfuric, Redoxic, HYDROSOL
GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| A11 | 0.00 to 0.28 | Black (10YR21) moist; sapric clay loam; moderate 5-10mm subangular blocky structure; moist when sampled; abrupt to; |
| 2B21 | 0.28 to 0.50 | Dark greyish brown (2.5Y42) moist; few 2-10% medium 5-15mm prominent brown mottles; medium clay; massive structure; moist when sampled; clear to; |
| 2B22ia | 0.50 to 0.75 | Dark grey (5Y41) moist; few 2-10% fine <5mm prominent yellow jarositic (from pyrite), few 2-10% fine <5mm prominent brown mottles; silty medium clay; massive structure; moist when sampled; clear to; |
| 2C1u | 0.75 to 1.75 | Dark greenish grey (5GY41) moist; silty light medium clay; massive structure; wet when sampled; diffuse to; |
| 2C2u | 1.75 to 3.00 | Dark greenish grey (5GY41) moist; silty light medium clay; very few <2% subangular shell small pebbles 2-6mm; massive structure; wet when sampled; |
| 2C3u | 3.00 to 4.70 | Dark greenish grey (5GY41) moist; silty light medium clay; common 10-20% subangular shell small pebbles 2-6mm; massive structure; wet when sampled; |
| 2C4u | 4.70 to 6.40 | Dark greenish grey (10Y31) moist; silty light medium clay; very few <2% subangular shell small pebbles 2-6mm; massive structure; wet when sampled; clear |
| 2C5u | 6.40 to 6.80 | Black (10YR21) moist; silty light medium clay; massive structure; wet when sampled; clear to; |
| 3D1 | 6.80 to 7.25 | Dark grey (2.5Y41) moist; few 2-10% medium 5-15mm prominent yellow mottles; silty medium heavy clay; massive structure; moist when sampled; |

Field Tests:

| Depth | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.1 | 1.9 | |
| 0.30 | | | | | 4.1 | 2.1 | |
| 0.60 | | | | | 3.7 | 1.8 | |
| 0.80 | | | | | 4.2 | 1.4 | |
| 1.00 | | | | | 5.8 | 1.5 | |
| 1.50 | | | | | 6.7 | 1.5 | |
| 2.00 | | | | | 7.0 | 1.7 | |
| 2.50 | | | | | 7.0 | 1.7 | |
| 3.00 | | | | | 7.3 | 1.6 | |
| 3.50 | | | | | 7.4 | 1.7 | |
| 4.00 | | | | | 7.7 | 2.1 | |
| 4.50 | | | | | 7.7 | 1.8 | |
| 5.00 | | | | | 7.5 | 1.8 | |
| 5.50 | | | | | 7.6 | 1.6 | |
| 6.00 | | | | | 7.5 | 1.5 | |
| 6.25 | | | | | 7.4 | 1.3 | |
| 6.50 | | | | | 7.1 | 1.8 | |
| 6.75 | | | | | 7.1 | 1.9 | |
| 7.00 | | | | | 7.1 | 4.5 | |
| 7.20 | | | | | 7.0 | 5.1 | |

Notes:

Site

Horizon 2C5u - Fine organics present

Project: SEA

Site: 3136

Location: GDA 94 ZONE 56 507493 mE 7063522 mN
Location: AGD 84 ZONE 56 507387 mE 7063334 mN
Described By: Barry, Earl **Date:** 24-Sep-1999

Landscape:

Landform Pattern: alluvial plain **Element:** plain

Classifications:

ASC: Sulfuric, Redoxic, HYDROSOL

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| S1 | 0.00 to 0.09 | Brown (10YR53) moist; sandy clay loam; very abundant >90% subangular platy gravel medium pebbles 6-20mm; single grain structure; moist when sampled; |
| A11 | 0.09 to 0.32 | Black (10YR21) moist; sapric clay loam; massive structure; moist when sampled; clear to; |
| B21 | 0.32 to 0.45 | Very dark grey (10YR31) moist; medium heavy clay; massive structure; moist when sampled; abrupt to; |
| B22 | 0.45 to 0.85 | Grey (2.5Y51) moist; few 2-10% medium 5-15mm prominent orange mottles; medium clay; massive structure; wet when sampled; |
| B3 | 0.80 to 1.10 | Dark grey (2.5Y41) moist; very few <2% medium 5-15mm distinct orange mottles; sandy light clay; massive structure; wet when sampled; abrupt to; |
| 2B21hs | 1.10 to 1.70 | Very dark grey (10YR31) moist; loamy sand; single grain structure; wet when sampled; clear to; |
| 2B22hs | 1.70 to 2.45 | Black (10YR21) moist; loamy sand; single grain structure; weakly cemented continuous massive ortstein; wet when sampled; gradual to; |
| 2B3 | 2.45 to 3.30 | Brown (10YR53) moist; few 2-10% coarse 15-30mm distinct brown mottles; fine sand; single grain structure; wet when sampled; diffuse to; |
| 3C1u | 3.30 to 4.00 | Dark greyish brown (2.5Y42) moist; clayey fine sand; single grain structure; wet when sampled; diffuse to; |
| 4C2u | 4.00 to 4.30 | Greenish grey (10Y51) moist; sandy light clay; single grain structure; wet when sampled; diffuse to; |
| 5C3u | 4.30 to 7.00 | Dark greenish grey (10Y41) moist; silty light medium clay; single grain structure; wet when sampled; abrupt to; |
| 5C4u | 7.00 to 7.25 | Dark grey (5Y41) moist; silty light clay; massive structure; wet when sampled; |
| 6D1 | 7.25 to 8.45 | Grey (2.5Y51) moist; few 2-10% medium 5-15mm prominent yellow, very few <2% medium 5-15mm prominent red mottles; medium heavy clay; massive structure; moist when sampled; |

Field Tests:

| Depth | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 5.4 | 2.0 | |
| 0.30 | | | | | 4.5 | 2.8 | |
| 0.60 | | | | | 4.4 | 2.9 | |
| 0.80 | | | | | 4.4 | 3.0 | |
| 1.00 | | | | | 4.5 | 3.0 | |
| 1.25 | | | | | 5.7 | 1.6 | |
| 1.50 | | | | | 6.0 | 1.4 | |
| 1.75 | | | | | 6.5 | 2.2 | |
| 2.00 | | | | | 6.4 | 3.2 | |
| 2.25 | | | | | 6.5 | 2.4 | |
| 2.50 | | | | | 6.3 | 2.4 | |
| 3.00 | | | | | 6.1 | 2.9 | |
| 3.50 | | | | | 6.1 | 2.4 | |
| 3.75 | | | | | 6.1 | 0.8 | |
| 4.00 | | | | | 6.3 | 0.9 | |
| 4.25 | | | | | 6.4 | 0.8 | |
| 4.50 | | | | | 6.4 | 1.1 | |
| 4.75 | | | | | 6.7 | 1.1 | |
| 5.00 | | | | | 6.5 | 1.2 | |
| 5.50 | | | | | 6.6 | 1.2 | |
| 6.00 | | | | | 6.8 | 1.4 | |
| 6.50 | | | | | 6.7 | 1.6 | |
| 7.00 | | | | | 6.8 | 1.4 | |
| 7.25 | | | | | 6.7 | 1.4 | |
| 7.50 | | | | | 6.9 | 1.9 | |
| 8.00 | | | | | 6.9 | 4.6 | |
| 8.40 | | | | | 6.8 | 3.9 | |

Project: SEA **Site:**3137

Soil Name: No record

Location: GDA 94 **ZONE** 56 **507799 mE** **7063485 mN**
Location: AGD 84 **ZONE** 56 **507693 mE** **7063297 mN**

Described By: Barry, Earl

Date: 24-Sep-1999

Landscape:

Geology: No record

Substrate Lithology: No record

Landform Pattern: alluvial plain

Element: plain

Runoff: No record

Permeability: No record

Microrelief: No record

Microrelief Component: No record

Drainage: No record

Slope: 1 %

Surface Coarse Fragments: No record

Surface Condition: No record

Classifications:

ASC: PODOSOL

GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| A11 | 0.00 to 0.23 | Black (10YR21) moist; medium heavy clay; moderate 5-10mm subangular blocky structure; moist when sampled; abrupt to; |
| B21 | 0.23 to 0.47 | Greyish brown (2.5Y52) moist; many 20-50% medium 5-15mm prominent orange mottles; medium clay; massive structure; moist when sampled; clear to; |
| B3 | 0.47 to 0.80 | Grey (2.5Y61) moist; few 2-10% medium 5-15mm prominent orange mottles; sandy light clay; massive structure; wet when sampled; gradual to; |
| C1 | 0.80 to 1.10 | Dark grey (2.5Y41) moist; sand; massive structure; wet when sampled; gradual to; |
| 2Bh | 1.10 to 2.10 | Black (10YR21) moist; clayey sand; massive structure; wet when sampled; clear to; |
| 3D1 | 2.10 to 2.40 | Grey (N60) moist; few 2-10% medium 5-15mm prominent yellow mottles; medium clay; massive structure; moist when sampled; |

Field Tests:

| Depth | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.7 | 3.6 | |
| 0.30 | | | | | 4.8 | 3.8 | |
| 0.60 | | | | | 4.7 | 3.4 | |
| 0.80 | | | | | 5.1 | 3.2 | |
| 1.00 | | | | | 5.2 | 3.6 | |
| 1.25 | | | | | 5.2 | 3.3 | |
| 1.50 | | | | | 4.9 | 3.5 | |
| 1.75 | | | | | 4.6 | 3.4 | |
| 2.00 | | | | | 4.7 | 3.0 | |
| 2.25 | | | | | 4.7 | 2.3 | |

Notes:

Project: SEA

Site: 3138

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

506007 mE
505901 mE

7057392 mN
7057204 mN

Described By: Barry, Earl

Date: 25-Sep-1999

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: No record
Element: plain
Permeability: No record
Microrelief Component: No record
Slope: 1 %

Classifications:

ASC: Sulfidic, Redoxic, HYDROSOL
GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| A11 | 0.00 to 0.15 | Black (10YR20) moist; sapric light medium clay; weak 5-10mm subangular blocky structure; moist when sampled; clear to; |
| 2B21 | 0.15 to 0.40 | Very dark brown (10YR22) moist; few 2-10% medium 5-15mm prominent orange, few 2-10% coarse 15-30mm distinct gley mottles; medium clay; massive structure; moist when sampled; clear to; |
| 2B3 | 0.40 to 0.80 | Dark grey (5Y41) moist; common 10-20% medium 5-15mm distinct gley mottles; clay loam, sandy; massive structure; wet when sampled; gradual to; |
| 2C1u | 0.80 to 1.05 | Grey (5Y51) moist; heavy sand; single grain structure; wet when sampled; gradual |
| 2C2u | 1.05 to 2.10 | Dark greenish grey (10Y41) moist; clay loam, sandy; massive structure; wet when sampled; gradual to; |
| 2C3u | 2.10 to 3.80 | Greenish grey (10Y51) moist; heavy sand; single grain structure; wet when |
| 3D1 | 3.80 to 4.30 | Black (10YR21) moist; loamy fine sand; massive structure; moderately cemented continuous massive ortstein; wet when sampled; |
| 3D2 | 4.30 to 4.40 | Dark brown (10YR33) moist; sand; single grain structure; wet when sampled; |

Field Tests:

| Depth | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 5.8 | 3.6 | |
| 0.30 | | | | | 6.5 | 5.1 | |
| 0.60 | | | | | 6.8 | 2.6 | |
| 0.80 | | | | | 6.4 | 1.4 | |
| 1.00 | | | | | 6.4 | 1.3 | |
| 1.25 | | | | | 6.4 | 1.2 | |
| 1.50 | | | | | 6.4 | 1.3 | |
| 1.75 | | | | | 5.9 | 1.3 | |
| 2.00 | | | | | 5.8 | 1.3 | |
| 2.25 | | | | | 5.9 | 1.3 | |
| 2.50 | | | | | 5.8 | 1.8 | |
| 2.75 | | | | | 5.8 | 1.7 | |
| 3.00 | | | | | 5.8 | 1.8 | |
| 3.25 | | | | | 5.8 | 0.9 | |
| 3.50 | | | | | 5.9 | 1.1 | |
| 3.75 | | | | | 5.8 | 4.1 | |
| 4.00 | | | | | 5.8 | 3.6 | |
| 4.25 | | | | | 5.7 | 1.9 | |
| 4.40 | | | | | 5.6 | 4.5 | |

Notes:

Site Seagrass in horizons 2C2u and 2C3u

Project: SEA

Site: 3139

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

507181 mE
507075 mE

7056981 mN
7056793 mN

Described By: Barry, Earl

Date: 25-Sep-1999

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: No record
Element: swamp
Permeability: No record
Microrelief Component: No record
Slope: 1 %

Classifications:

ASC: Sulfidic, Redoxic, HYDROSOL

GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| A11 | 0.00 to 0.20 | Black (10YR21) moist; sandy light clay; moist when sampled; clear to; |
| B21 | 0.20 to 0.40 | Greyish brown (2.5Y53) moist; few 2-10% medium 5-15mm prominent brown, few 2-10% medium 5-15mm prominent orange mottles; light medium clay; massive structure; few 2-10% medium 2-6mm ferruginous nodules; moist when sampled; |
| 2B2 | 0.40 to 0.90 | Grey (2.5Y61) moist; few 2-10% coarse 15-30mm distinct brown mottles; clayey sand; massive structure; wet when sampled; clear to; |
| 2C1u | 0.90 to 1.00 | Dark grey (2.5Y41) moist; loamy sand; single grain structure; wet when sampled; abrupt to; |
| 3D1 | 1.00 to 1.80 | Black (10YR21) moist; loamy sand; massive structure; wet when sampled; |

Field Tests:

| Depth | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.5 | 2.5 | |
| 0.30 | | | | | 4.6 | 2.8 | |
| 0.45 | | | | | 6.1 | 2.8 | |
| 0.60 | | | | | 6.6 | 2.7 | |
| 0.80 | | | | | 6.5 | 2.8 | |
| 1.00 | | | | | 6.2 | 1.5 | |
| 1.25 | | | | | 5.8 | 1.4 | |
| 1.50 | | | | | 6.1 | 1.7 | |
| 1.75 | | | | | 5.9 | 1.9 | |

Notes:

Project: SEA

Site: 3140

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

506243 mE
506137 mE

7056882 mN
7056694 mN

Described By: Barry, Earl

Date: 25-Sep-1999

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: No record
Element: plain
Permeability: No record
Microrelief Component: No record
Slope: 1 %

Classifications:

ASC: Sulfidic, Redoxic, HYDROSOL

GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| A11 | 0.00 to 0.17 | Black (10YR21) moist; sapric light medium clay; massive structure; moist when sampled; clear to; |
| B21 | 0.17 to 0.30 | Dark grey (2.5Y41) moist; many 20-50% medium 5-15mm prominent orange, few 2-10% medium 5-15mm prominent brown mottles; medium clay; massive structure; moist when sampled; clear to; |
| 2B21 | 0.30 to 0.75 | Grey (2.5Y51) moist; common 10-20% coarse 15-30mm prominent orange mottles; clay loam, sandy; massive structure; wet when sampled; clear to; |
| 2B3 | 0.75 to 1.10 | Grey (2.5Y61) moist; common 10-20% coarse 15-30mm prominent orange, few 2-10% coarse 15-30mm distinct brown mottles; loamy sand; single grain structure; wet when sampled; clear to; |
| 2C1 | 1.10 to 1.40 | Grey (5Y61) moist; sand; single grain structure; wet when sampled; clear to; |
| 3B2 | 1.40 to 1.70 | Olive (5Y53) moist; common 10-20% coarse 15-30mm distinct gley mottles; sand; single grain structure; wet when sampled; clear to; |
| 4C2u | 1.70 to 2.30 | Grey (5Y51) moist; sand; single grain structure; wet when sampled; gradual to; |
| 5C3u | 2.30 to 4.10 | Dark grey (N40) moist; clayey sand; very few <2% subangular shell small pebbles 2-6mm; single grain structure; wet when sampled; abrupt to; |
| 6D1 | 4.10 to 4.15 | Light brownish grey (10YR62) moist; clayey fine sand; massive structure; very strongly cemented continuous massive silcrete; moist when sampled; clear to; |
| 6D2 | 4.15 to 4.30 | Black (10YR21) moist; loamy fine sand; massive structure; wet when sampled; |

Field Tests:

| Depth | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 5.0 | 2.1 | |
| 0.30 | | | | | 5.1 | 3.7 | |
| 0.60 | | | | | 6.3 | 5.1 | |
| 0.80 | | | | | 6.5 | 5.4 | |
| 1.00 | | | | | 6.9 | 5.5 | |
| 1.25 | | | | | 6.9 | 4.1 | |
| 1.50 | | | | | 6.7 | 3.0 | |
| 1.75 | | | | | 6.8 | 1.9 | |
| 2.00 | | | | | 6.6 | 2.4 | |
| 2.25 | | | | | 6.8 | 2.2 | |
| 2.50 | | | | | 7.0 | 2.1 | |
| 2.75 | | | | | 6.9 | 1.7 | |
| 3.00 | | | | | 6.9 | 1.8 | |
| 3.25 | | | | | 7.0 | 2.1 | |
| 3.50 | | | | | 6.9 | 1.4 | |
| 3.75 | | | | | 6.7 | 1.3 | |
| 4.00 | | | | | 6.6 | 1.4 | |
| 4.25 | | | | | 6.4 | 2.9 | |

Notes:

Site

Fine organics present in horizons 2C1, 3B2, 4C2 and 5C3.

Project: SEA

Site: 3141

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

506865 mE
506759 mE

7055971 mN
7055783 mN

Described By: Barry, Earl

Date: 25-Sep-1999

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: No record
Element: swamp
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: Sulfidic, Redoxic, HYDROSOL
GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| A11 | 0.00 to 0.30 | Black (10YR21) moist; sapric clay loam, sandy; moist when sampled; clear to; |
| B21 | 0.30 to 0.52 | Very dark grey (10YR31) moist; few 2-10% medium 5-15mm distinct brown mottles; medium clay; massive structure; moist when sampled; clear to; |
| 2B2 | 0.52 to 0.80 | Dark grey (2.5Y41) moist; few 2-10% medium 5-15mm distinct brown mottles; sandy clay loam; massive structure; wet when sampled; clear to; |
| 2B3 | 0.80 to 1.20 | Grey (5Y51) moist; common 10-20% medium 5-15mm distinct gley mottles; clayey sand; massive structure; wet when sampled; |
| 3C1u | 1.20 to 2.80 | Dark grey (N40) moist; sand; few 2-10% subangular shell medium pebbles 6-20mm; single grain structure; wet when sampled; |
| 4B21 | 2.80 to 3.50 | Dark greenish grey (10Y41) moist; few 2-10% coarse 15-30mm distinct pale, few 2-10% coarse 15-30mm distinct gley mottles; clayey sand; few 2-10% subangular shell small pebbles 2-6mm, very few <2% subangular charcoal large pebbles 20-60mm; massive structure; wet when sampled; |
| 5C2u | 3.50 to 4.20 | White (10YR81) moist; sand; single grain structure; wet when sampled; |
| 6B21h | 4.20 to 4.30 | Black (10YR21) moist; loamy sand; massive structure; very strongly cemented continuous massive silcrete; wet when sampled; |
| 6B22h | 4.30 to 4.75 | Dark greyish brown (10YR42) moist; loamy sand; single grain structure; wet when sampled; |

Field Tests:

| Depth | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 5.8 | 3.4 | |
| 0.30 | | | | | 7.0 | 4.3 | |
| 0.60 | | | | | 7.1 | 3.8 | |
| 0.80 | | | | | 7.2 | 3.4 | |
| 1.00 | | | | | 7.3 | 3.4 | |
| 1.25 | | | | | 7.2 | 1.6 | |
| 1.50 | | | | | 7.3 | 2.0 | |
| 1.75 | | | | | 7.4 | 2.2 | |
| 2.00 | | | | | 7.3 | 2.5 | |
| 2.25 | | | | | 7.3 | 1.6 | |
| 2.50 | | | | | 7.6 | 2.0 | |
| 2.75 | | | | | 7.5 | 3.5 | |
| 3.00 | | | | | 7.3 | 3.4 | |
| 3.25 | | | | | 7.4 | 1.8 | |
| 3.50 | | | | | 7.0 | 1.9 | |
| 3.75 | | | | | 7.0 | 1.3 | |
| 4.00 | | | | | 7.0 | 1.2 | |
| 4.25 | | | | | 6.9 | 1.3 | |
| 4.50 | | | | | 6.9 | 2.5 | |
| 4.75 | | | | | 6.8 | 3.6 | |

Notes:

Texture

Horizon 2B2 (0.52 - 0.8m) texture recorded as SCL - sandy + clayey lenses.

Project: SEA

Site: 3142

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

508907 mE
508801 mE

7066735 mN
7066547 mN

Described By: Barry, Earl

Date: 05-Apr-2000

Landscape:

Geology: No record
Landform Pattern: beach ridge plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: Alluvium
Element: levee
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: Semiaquic, PODOSOL
GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| A11 | 0.00 to 0.20 | Brownish yellow (10YR68) moist; few 2-10% coarse 15-30mm distinct brown mottles; sand; single grain structure; moist when sampled; abrupt to; |
| B2s | 0.20 to 0.40 | Dark brown (7.5YR34) moist; few 2-10% coarse 15-30mm distinct orange mottles; loamy sand; massive structure; very few <2% fine <2mm ferruginous nodules; moist when sampled; clear to; |
| C1 | 0.40 to 0.85 | Light grey (10YR72) moist; very few <2% medium 5-15mm faint orange mottles; sand; very few <2% subangular quartz small pebbles 2-6mm; single grain structure; moist when sampled; sharp to; |
| 2D1 | 0.85 to 2.40 | White (N80) moist; common 10-20% coarse 15-30mm prominent orange mottles; sandy medium clay; massive structure; moist when sampled; |

Field Tests:

| Depth | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.5 | 2.1 | |
| 0.30 | | | | | 5.5 | 3.6 | |
| 0.60 | | | | | 5.4 | 2.0 | |
| 0.80 | | | | | 5.9 | 3.1 | |
| 1.00 | | | | | 5.3 | 2.2 | |
| 1.25 | | | | | 5.7 | 2.1 | |
| 1.50 | | | | | 5.9 | 2.0 | |
| 1.75 | | | | | 5.6 | 2.9 | |
| 2.00 | | | | | 5.7 | 2.6 | |
| 2.25 | | | | | 5.3 | 2.9 | |

Notes:

Location Site on levee just N side of Stumer Ck. - Terrestrial.

Project: SEA

Site: 3143

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56 508419 mE
ZONE 56 508313 mE

7067244 mN
7067056 mN

Described By: Barry, Earl

Date: 05-Apr-2000

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: Alluvium
Element: swamp
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: Redoxic, HYDROSOL
GSG: No record

PPF: No record

Vegetation:

Tallest Stratum: Tree, 6.01-12m, mid-dense
Species: Melaleuca quinquenervia (swamp paperbark, paper-barked tea-tree, broad-leaved tea-tree)

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| S1 | 0.00 to 0.15 | Pale brown (10YR63) moist; sand; single grain structure; moist when sampled; abrupt to; |
| A11 | 0.15 to 0.55 | Black (10YR21) moist; fibric clay loam; massive structure; moist when sampled; gradual to; |
| 2A12 | 0.55 to 0.90 | Black (2.5Y21) moist; sapric sandy loam; massive structure; moist when sampled; gradual to; |
| 2A13 | 0.90 to 1.20 | Very dark grey (2.5Y31) moist; loamy sand; very few <2% subangular quartz small pebbles 2-6mm; single grain structure; wet when sampled; clear to; |
| 2A2e | 1.20 to 2.30 | White (10YR81) moist; very few <2% medium 5-15mm faint brown mottles; sand; very few <2% subangular quartz small pebbles 2-6mm; single grain structure; wet when sampled; gradual to; |
| 3C1u | 2.30 to 3.70 | Greyish brown (2.5Y52) moist; sand; few 2-10% subangular quartz small pebbles 2-6mm; single grain structure; wet when sampled; diffuse to; |
| 3C2u | 3.70 to 5.90 | Light olive grey (5Y62) moist; sand; very few <2% subangular quartz medium pebbles 6-20mm; single grain structure; wet when sampled; gradual to; |
| 3C3u | 5.90 to 7.70 | Grey (5Y61) moist; sand; few 2-10% subangular quartz small pebbles 2-6mm; single grain structure; very few <2% coarse 6-20mm sulphurous soft segregations; wet when sampled; diffuse to; |
| 4C4u | 7.70 to 8.00 | Light grey (5Y71) moist; clayey sand; few 2-10% subangular quartz small pebbles 2-6mm; single grain structure; wet when sampled; |
| 5C5u | 8.00 to | Light grey (5Y71) moist; sand; very few <2% subangular quartz small pebbles 2-6mm, common 10-20% subangular quartz small pebbles 2-6mm; single grain structure; wet when sampled; |
| 6D1 | 11.5 to 12.0 | Greenish grey (10GY61) moist; sandy light medium clay; massive structure; moist when sampled; |

Project: SEA

Site: 3143

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

508419 mE
508313 mE

7067244 mN
7067056 mN

Described By: Barry, Earl

Date: 05-Apr-2000

Field Tests:

| Depth | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.6 | 1.7 | |
| 0.30 | | | | | 3.8 | 2.3 | |
| 0.60 | | | | | 3.9 | 2.5 | |
| 0.80 | | | | | 4.4 | 2.4 | |
| 1.00 | | | | | 4.5 | 2.1 | |
| 1.25 | | | | | 4.4 | 2.4 | |
| 1.50 | | | | | 4.2 | 1.3 | |
| 1.75 | | | | | 4.5 | 1.4 | |
| 2.00 | | | | | 4.6 | 1.3 | |
| 2.25 | | | | | 4.8 | 1.3 | |
| 2.50 | | | | | 5.2 | 1.5 | |
| 2.75 | | | | | 5.3 | 1.7 | |
| 3.00 | | | | | 5.2 | 1.9 | |
| 3.25 | | | | | 5.7 | 1.6 | |
| 3.50 | | | | | 5.5 | 1.9 | |
| 3.75 | | | | | 5.6 | 1.8 | |
| 4.00 | | | | | 5.4 | 2.0 | |
| 4.25 | | | | | 5.4 | 1.9 | |
| 4.50 | | | | | 5.4 | 1.9 | |
| 4.75 | | | | | 5.6 | 1.3 | |
| 5.00 | | | | | 5.2 | 1.2 | |
| 5.50 | | | | | 5.6 | 1.6 | |
| 6.00 | | | | | 6.1 | 1.8 | |
| 6.50 | | | | | 5.2 | 1.0 | |
| 7.00 | | | | | 5.3 | 1.3 | |
| 7.50 | | | | | 5.5 | 1.2 | |
| 8.00 | | | | | 5.3 | 1.2 | |
| 8.50 | | | | | 6.1 | 1.6 | |
| 9.00 | | | | | 5.9 | 1.3 | |
| 9.50 | | | | | 6.0 | 1.6 | |
| 10.00 | | | | | 5.8 | 1.3 | |
| 10.50 | | | | | 5.9 | 1.3 | |
| 11.00 | | | | | 6.5 | 1.5 | |
| 11.50 | | | | | 6.3 | 2.6 | |
| 12.00 | | | | | 6.4 | 3.5 | |

Notes:

Location Site off edge of Peregian sports ground football field, in tea-tree forest. 150m N of Ck.
Site Horizon 3C3u - Soft segs are silty clasts containing jarosite at 7.1m.
Site Larger coarse frags in 5C5u occur at 11.4m - just above D horizon

Project: SEA

Site: 3144

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56 507466 mE
ZONE 56 507360 mE

7066829 mN
7066641 mN

Described By: Barry, Earl

Date: 06-Apr-2000

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: soft

Substrate Lithology: Alluvium
Element: plain
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: Humic, Aquic, PODOSOL

GSG: No record

PPF: No record

Vegetation:

Tallest Stratum: Heath shrub, 1.01-3m, sparse

Species: Banksia aemula (wallum banksia); Xanthorrhoea species

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| A11 | 0.00 to 0.35 | Very dark grey (10YR31) moist; loamy sand; massive structure; moist when sampled; clear to; |
| A21 | 0.35 to 0.65 | Greyish brown (10YR52) moist; sand; single grain structure; moist when sampled; gradual to; |
| A22e | 0.65 to 1.00 | White (10YR81) moist; sand; single grain structure; moist when sampled; abrupt |
| B21h | 1.00 to 2.40 | Black (10YR21) moist; few 2-10% medium 5-15mm faint brown mottles; loamy sand; single grain structure; strongly cemented continuous massive ortstein; wet when sampled; |
| B22h | 2.40 to 3.60 | Loamy sand; wet when sampled; |
| B23h | 3.60 to 6.50 | Very dark brown (10YR22) moist; common 10-20% very coarse >30mm distinct dark mottles; loamy coarse sand; single grain structure; wet when sampled; |
| 2C1u | 6.50 to 7.20 | Dark grey (2.5Y41) moist; coarse sandy loam; massive structure; wet when |
| 3D1 | 7.20 to 7.60 | Light brownish grey (2.5Y62) moist; sandy medium clay; massive structure; wet when sampled; |

Field Tests:

| Depth | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.1 | 2.4 | |
| 0.30 | | | | | 4.2 | 2.5 | |
| 0.60 | | | | | 5.3 | 2.6 | |
| 0.80 | | | | | 6.0 | 2.9 | |
| 1.00 | | | | | 5.9 | 3.1 | |
| 1.25 | | | | | 4.5 | 2.7 | |
| 1.50 | | | | | 4.4 | 2.9 | |
| 1.75 | | | | | 4.4 | 2.9 | |
| 2.00 | | | | | 4.2 | 2.9 | |
| 2.25 | | | | | 4.1 | 2.9 | |
| 3.75 | | | | | 4.9 | 2.2 | |
| 4.00 | | | | | 4.8 | 1.7 | |
| 4.25 | | | | | 4.8 | 1.8 | |
| 4.50 | | | | | 4.9 | 1.7 | |
| 6.30 | | | | | 4.6 | 1.6 | |
| 6.50 | | | | | 5.3 | 1.8 | |
| 6.75 | | | | | 5.3 | 1.5 | |
| 7.00 | | | | | 5.3 | 1.5 | |
| 7.50 | | | | | 5.2 | 2.1 | |

Notes:

Project: SEA**Site: 3148**

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

506267 mE
 506161 mE

7066683 mN
 7066495 mN

Described By: Barry, Earl

Date: 11-Apr-2000

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: Alluvium
Element: plain
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: Humic/alsilic, Aquic, PODOSOL

Vegetation:

Tallest Stratum: Heath shrub, 1.01-3m, sparse
Species: Banksia aemula (wallum banksia)

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| A11 | 0.00 to 0.15 | Very dark grey (10YR31) moist; light sandy loam; massive structure; moist when sampled; clear to; |
| A2e | 0.15 to 0.65 | Grey (10YR61) moist; few 2-10% medium 5-15mm faint grey mottles; sand; single grain structure; moist when sampled; abrupt to; |
| B21h | 0.65 to 1.60 | Black (10YR21) moist; loamy sand; massive structure; moderately cemented continuous massive ortstein; wet when sampled; abrupt to; |
| B22h | 1.60 to 2.20 | Very dark brown (10YR22) moist; loamy sand; massive structure; wet when sampled; diffuse to; |
| B23hs | 2.20 to 3.40 | Dark brown (7.5YR33) moist; sand; single grain structure; wet when sampled; diffuse to; |
| 2B24s | 3.40 to 5.60 | Dark yellowish brown (10YR34) moist; sand; very few <2% subangular quartz small pebbles 2-6mm; single grain structure; very few <2% medium 2-6mm ferruginous concretions; wet when sampled; clear to; |
| 2B3 | 5.60 to 5.80 | Greenish grey (10Y61) moist; sand; single grain structure; wet when sampled; sharp to; |
| 3C1u | 5.80 to 6.65 | Dark greenish grey (10Y41) moist; silty light clay; very few <2% other small pebbles 2-6mm; massive structure; wet when sampled; diffuse to; |
| 4D1 | 6.65 to 7.25 | Grey (10YR51) moist; very few <2% medium 5-15mm faint grey mottles; medium clay; massive structure; moist when sampled; |

Field Tests:

| Depth | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 3.5 | 1.6 | |
| 0.30 | | | | | 4.1 | 2.3 | |
| 0.60 | | | | | 4.3 | 2.3 | |
| 0.80 | | | | | 3.9 | 2.1 | |
| 1.00 | | | | | 4.1 | 2.5 | |
| 1.50 | | | | | 4.2 | 2.6 | |
| 2.00 | | | | | 4.6 | 2.9 | |
| 2.50 | | | | | 4.6 | 2.2 | |
| 3.00 | | | | | 4.6 | 1.6 | |
| 3.50 | | | | | 4.7 | 1.5 | |
| 3.75 | | | | | 5.3 | 1.6 | |
| 4.00 | | | | | 5.2 | 1.7 | |
| 4.25 | | | | | 5.1 | 1.4 | |
| 4.50 | | | | | 5.2 | 1.6 | |
| 4.75 | | | | | 5.3 | 1.7 | |
| 5.00 | | | | | 5.4 | 1.5 | |
| 5.50 | | | | | 5.3 | 1.4 | |
| 5.75 | | | | | 5.2 | 1.6 | |
| 6.00 | | | | | 4.8 | 1.1 | |
| 6.25 | | | | | 4.8 | 1.0 | |
| 6.50 | | | | | 4.7 | 0.9 | |
| 6.75 | | | | | 4.7 | 1.4 | |
| 7.00 | | | | | 4.8 | 2.0 | |
| 7.25 | | | | | 4.6 | 2.3 | |

Project: SEA

Site: 3149

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

506979 mE
506873 mE

7070257 mN
7070069 mN

Described By: Barry, Earl

Date: 12-Apr-2000

Landscape:

Geology: No record

Landform Pattern: rises

Runoff: No record

Microrelief: No record

Drainage: No record

Surface Coarse Fragments: No record

Surface Condition: No record

Substrate Lithology: Sandstone

Element: swamp

Permeability: No record

Microrelief Component: No record

Slope: No record

Classifications:

ASC: Kandosolic, Oxyaquic, HYDROSOL

GSG: No record

PPF: No record

Vegetation:

Tallest Stratum: Tree, 12.01-20m, mid-dense

Species: Corymbia species

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| A11 | 0.00 to 0.10 | Black (10YR21) moist; fibric silty clay loam; wet when sampled; clear to; |
| B21 | 0.10 to 0.50 | Dark grey (10YR41) moist; sapric silty light clay; massive structure; strongly cemented continuous massive other pan; moist when sampled; |
| B22 | 0.50 to 1.50 | Very dark grey (10YR31) moist; silty clay loam; massive structure; wet when sampled; clear to; |
| 2C1 | 1.50 to 2.30 | White (10YR81) moist; coarse sand; very few <2% angular quartz small pebbles 2-6mm; massive structure; very strongly cemented continuous massive silcrete; moist when sampled; clear to; |
| 2C2 | 2.30 to 2.40 | Light grey (10YR72) moist; coarse sand; common 10-20% subrounded quartz small pebbles 2-6mm; massive structure; very strongly cemented continuous massive silcrete; |

Field Tests:

| Depth | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 5.1 | 4.1 | |
| 0.30 | | | | | 5.8 | 3.1 | |
| 0.80 | | | | | 5.4 | 2.4 | |
| 1.50 | | | | | 5.8 | 2.3 | |
| 1.75 | | | | | 6.0 | 2.5 | |
| 2.00 | | | | | 5.7 | 3.9 | |
| 2.25 | | | | | 6.2 | 3.4 | |
| 2.40 | | | | | 5.9 | 3.4 | |

Notes:

Site Terrestrial site - small swampy area between rises - hence Hydrosol. Elevation > 5m.

Project: SEA

Site: 3150

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

506405 mE
506299 mE

7070123 mN
7069935 mN

Described By: Barry, Earl

Date: 12-Apr-2000

Landscape:

Geology: No record
Landform Pattern: rises
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: No record
Element: swamp
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: Sapric, ORGANOSOL
GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| A11 | 0.00 to 0.25 | Very dark grey (10YR31) moist; fibric clay loam; massive structure; wet when sampled; |
| A12 | 0.25 to 0.55 | Very dark grey (10YR31) moist; sapric silty clay loam; massive structure; wet when sampled; |
| B22 | 0.55 to 0.70 | Very dark grey (2.5Y31) moist; silty light clay; massive structure; wet when sampled; gradual to; |
| B23 | 0.70 to 1.05 | Dark grey (2.5Y41) moist; very few <2% medium 5-15mm prominent orange mottles; silty light medium clay; massive structure; wet when sampled; clear to; |
| 2D1 | 1.05 to 1.15 | Grey (5Y61) moist; few 2-10% fine <5mm prominent orange mottles; sandy medium clay; massive structure; wet when sampled; |

Field Tests:

| Depth | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.9 | 3.3 | |
| 0.30 | | | | | 5.0 | 3.3 | |
| 0.60 | | | | | 5.1 | 3.7 | |
| 0.80 | | | | | 5.5 | 2.1 | |
| 1.00 | | | | | 6.2 | 2.5 | |
| 1.15 | | | | | 6.2 | 3.6 | |

Notes:

Project: SEA **Site:** 3151

Soil Name: No record

Location: GDA 94 ZONE 56 508907 mE 7066735 mN
Location: AGD 84 ZONE 56 508801 mE 7066547 mN

Described By: Barry, Earl

Date: 12-Apr-2000

Landscape:

Geology: No record

Landform Pattern: rises

Runoff: No record

Microrelief: No record

Drainage: No record

Surface Coarse Fragments: No record

Surface Condition: No record

Substrate Lithology: Sandstone

Element: swamp

Permeability: No record

Microrelief Component: No record

Slope: No record

Classifications:

ASC: Tenosolic, Oxyaquic, HYDROSOL

GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| S1 | 0.00 to 1.10 | Very dark brown (10YR22) moist; loamy sand; single grain structure; moist when sampled; clear to; |
| A11 | 1.10 to 1.25 | Very dark greyish brown (10YR32) moist; loamy sand; single grain structure; moist when sampled; clear to; |
| A2e | 1.25 to 1.90 | White (10YR81) moist; sand; single grain structure; moist when sampled; gradual |
| B2 | 1.90 to 2.20 | Light brownish grey (10YR62) moist; clayey sand; massive structure; moist when sampled; clear to; |
| 2D1 | 2.20 to 2.40 | White (10YR81) moist; sandy light clay; massive structure; moist when sampled; |

Field Tests:

| Depth | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-------|-----------|------------|------|------|------|------|--|
| 0.60 | | | | | 5.0 | 3.7 | |
| 1.00 | | | | | 5.3 | 3.4 | |
| 1.25 | | | | | 5.5 | 4.5 | |
| 1.50 | | | | | 5.4 | 4.6 | |
| 1.75 | | | | | 5.4 | 4.8 | |
| 2.00 | | | | | 5.3 | 4.0 | |
| 2.25 | | | | | 4.9 | 3.8 | |

Notes:

Project: SEA

Site: 3152

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

506153 mE
506047 mE

7069979 mN
7069791 mN

Described By: Barry, Earl

Date: 13-Apr-2000

Landscape:

Geology: No record
Landform Pattern: rises
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: Sandstone
Element: swamp
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: Sapric, ORGANOSOL

GSG: No record

PPF: No record

Vegetation:

Tallest Stratum: Shrub, 1.01-3m, mid-dense

Species: Banksia aemula (wallum banksia); Banksia aemula (wallum banksia)

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| A11 | 0.00 to 0.25 | Black (10YR21) moist; fibric clay loam; massive structure; moist when sampled; gradual to; |
| A12 | 0.25 to 0.60 | Black (10YR21) moist; sapric clay loam; massive structure; wet when sampled; gradual to; |
| B21 | 0.60 to 1.50 | Very dark grey (10YR31) moist; silty light medium clay; massive structure; wet when sampled; clear to; |
| 2C1 | 1.50 to 2.00 | Light grey (10YR72) moist; common 10-20% coarse 15-30mm distinct brown mottles; clayey sand; very few <2% subangular quartz small pebbles 2-6mm; single grain structure; wet when sampled; clear to; |
| 2C2 | 2.00 to 2.50 | Greyish brown (10YR52) moist; clayey sand; very few <2% subangular quartz small pebbles 2-6mm; single grain structure; wet when sampled; |
| 3C3 | 2.50 to 3.25 | Light brownish grey (2.5Y62) moist; few 2-10% medium 5-15mm distinct brown mottles; sandy medium clay; very few <2% subangular quartz small pebbles 2-6mm; massive structure; moist when sampled; abrupt to; |
| 3C4 | 3.25 to 3.60 | White (N80) moist; sandy medium heavy clay; massive structure; moist when |

Field Tests:

| Depth | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.6 | 2.9 | |
| 0.30 | | | | | 5.1 | 3.1 | |
| 0.60 | | | | | 5.7 | 2.9 | |
| 0.80 | | | | | 5.7 | 2.0 | |
| 1.00 | | | | | 6.3 | 2.0 | |
| 1.25 | | | | | 6.2 | 1.7 | |
| 1.50 | | | | | 6.3 | 1.3 | |
| 1.75 | | | | | 6.5 | 2.2 | |
| 2.00 | | | | | 6.4 | 2.1 | |
| 2.25 | | | | | 6.7 | 2.5 | |
| 2.75 | | | | | 6.0 | 3.4 | |
| 3.00 | | | | | 6.0 | 4.1 | |
| 3.25 | | | | | 6.0 | 2.4 | |
| 3.50 | | | | | 6.2 | 3.7 | |

Notes:

Project: SEA

Site: 3153

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56 505540 mE
ZONE 56 505434 mE

7069852 mN
7069664 mN

Described By: Barry, Earl

Date: 13-Apr-2000

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: No record
Element: plain
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: Brown, CHROMOSOL

GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| M1 | 0.00 to 0.12 | Very dark grey (10YR31) moist; few 2-10% medium 5-15mm faint brown mottles; clay loam, fine sandy; massive structure; moist when sampled; abrupt to; |
| A1 | 0.12 to 0.35 | Dark grey (10YR41) moist; clay loam, fine sandy; massive structure; moist when sampled; clear to; |
| B21 | 0.35 to 0.75 | Yellowish brown (10YR56) moist; many 20-50% coarse 15-30mm prominent grey mottles; sandy medium heavy clay; moderate 10-20mm subangular blocky structure; moist when sampled; clear to; |
| B22 | 0.75 to 1.15 | Light grey (10YR71) moist; common 10-20% medium 5-15mm prominent red, common 10-20% coarse 15-30mm prominent brown mottles; sandy medium heavy clay; massive structure; moist when sampled; |

Field Tests:

| Depth | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 5.4 | 3.6 | |
| 0.30 | | | | | 5.1 | 4.1 | |
| 0.60 | | | | | 5.5 | 4.3 | |
| 0.80 | | | | | 5.5 | 4.0 | |
| 1.00 | | | | | 5.4 | 4.0 | |

Notes:

Location Moreton sugar land west of Peregrian Springs
Site Checking only. Possible entry point of estuarine material
Site Terrestrial profile

Project: SEA **Site:** 3154

Soil Name: No record

Location: GDA 94 ZONE 56 505781 mE 7070061 mN
Location: AGD 84 ZONE 56 505675 mE 7069873 mN

Described By: Barry, Earl

Date: 13-Apr-2000

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: No record
Element: plain
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: Grey, CHROMOSOL

GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| A1 | 0.00 to 0.25 | Very dark greyish brown (10YR32) moist; heavy clay loam, fine sandy; moist when sampled; clear to; |
| B21 | 0.25 to 0.90 | Light brownish grey (10YR62) moist; many 20-50% coarse 15-30mm prominent brown mottles; sandy medium clay; moderate 10-20mm subangular blocky structure; moist when sampled; gradual to; |
| B22 | 0.90 to 1.15 | Light grey (10YR71) moist; common 10-20% medium 5-15mm prominent red, common 10-20% coarse 15-30mm prominent brown mottles; sandy medium heavy clay; massive structure; moist when sampled; |

Field Tests:

| Depth | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 5.1 | 4.3 | |
| 0.30 | | | | | 5.1 | 4.0 | |
| 0.60 | | | | | 5.3 | 4.0 | |
| 0.80 | | | | | 5.3 | 4.3 | |
| 1.00 | | | | | 5.5 | 4.1 | |

Notes:

Location Moreton Sugar - west of Peregrian Springs.
Site Minimal Description. - site and core almost identical to 3153.
Site Terrestrial site - checking entry path.

Project: SEA

Site: 3155

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

504689 mE
504583 mE

7068241 mN
7068053 mN

Described By: Barry, Earl

Date: 14-Apr-2000

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: No record
Element: swamp
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: Redoxic, HYDROSOL
GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| S1 | 0.00 to 0.65 | Dark greyish brown (10YR42) moist; medium heavy clay; massive structure; moist when sampled; abrupt to; |
| A1 | 0.65 to 0.80 | Black (10YR21) moist; heavy clay loam; massive structure; moist when sampled; clear to; |
| B21 | 0.80 to 1.00 | Very dark grey (10YR31) moist; medium clay; moderate 10-20mm subangular blocky structure; moist when sampled; clear to; |
| B22 | 1.00 to 1.90 | Dark grey (2.5Y41) moist; few 2-10% fine <5mm prominent orange mottles; medium clay; massive structure; moist when sampled; gradual to; |
| B31 | 1.90 to 2.40 | Grey (10YR61) moist; few 2-10% medium 5-15mm faint yellow mottles; medium heavy clay; massive structure; moist when sampled; gradual to; |
| B32 | 2.40 to 2.70 | Light grey (10YR71) moist; very few <2% medium 5-15mm faint grey mottles; sandy medium heavy clay; very few <2% rounded quartz small pebbles 2-6mm; massive structure; moist when sampled; gradual to; |
| B33 | 2.70 to 3.50 | Grey (10YR61) moist; very few <2% medium 5-15mm faint grey mottles; medium heavy clay; massive structure; moist when sampled; |

Field Tests:

| Depth | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 5.7 | 3.9 | |
| 0.30 | | | | | 5.1 | 3.7 | |
| 0.70 | | | | | 5.8 | 2.2 | |
| 0.80 | | | | | 5.8 | 2.2 | |
| 1.00 | | | | | 6.2 | 3.7 | |
| 1.50 | | | | | 5.5 | 3.1 | |
| 2.00 | | | | | 5.4 | 3.5 | |
| 2.50 | | | | | 5.5 | 4.5 | |
| 3.00 | | | | | 5.2 | 4.1 | |
| 3.50 | | | | | 5.3 | 4.3 | |

Notes:

Project: SEA

Site: 3156

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

504734 mE
504628 mE

7068461 mN
7068273 mN

Described By: Barry, Earl

Date: 14-Apr-2000

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: No record
Element: swamp
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: Redoxic, HYDROSOL
GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| A11 | 0.00 to 0.20 | Black (10YR21) moist; light clay; moderate 10-20mm subangular blocky structure; moist when sampled; |
| B21 | 0.20 to 0.45 | Very dark grey (10YR31) moist; few 2-10% fine <5mm faint orange mottles; medium clay; moderate 10-20mm subangular blocky structure; moist when |
| B22 | 0.45 to 2.40 | Grey (10YR61) moist; common 10-20% coarse 15-30mm distinct orange mottles; medium heavy clay; massive structure; moist when sampled; |

Field Tests:

| Depth | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.9 | 3.0 | |
| 0.30 | | | | | 5.1 | 3.7 | |
| 0.60 | | | | | 5.2 | 3.6 | |
| 0.80 | | | | | 4.9 | 3.6 | |
| 1.00 | | | | | 4.9 | 3.4 | |
| 1.50 | | | | | 4.9 | 4.0 | |
| 2.00 | | | | | 5.0 | 4.3 | |

Notes:

Site Very similar to previous site.

Project: SEA

Site: 3157

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56 505845 mE
ZONE 56 505739 mE

7073847 mN
7073659 mN

Described By: Barry, Earl

Date: 14-Apr-2000

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: No record
Element: swamp
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: Fibric, ORGANOSOL

GSG: No record

PPF: No record

Vegetation:

Tallest Stratum: Tree, 6.01-12m, mid-dense

Species: Casuarina species; Melaleuca species

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| M1 | 0.00 to 0.15 | Brown (10YR43) moist; sandy medium clay; massive structure; moist when sampled; clear to; |
| A1 | 0.15 to 0.50 | Black (10YR21) moist; fibric peat; moderate 2-5mm granular structure; moist when sampled; abrupt to; |
| B21 | 0.50 to 0.55 | Black (10YR21) moist; sandy light clay; massive structure; moist when sampled; abrupt to; |
| B3 | 0.55 to 0.70 | Grey (2.5Y51) moist; common 10-20% medium 5-15mm distinct orange mottles; clayey coarse sand; massive structure; moist when sampled; abrupt to; |
| 2A1 | 0.70 to 0.90 | Black (2.5Y21) moist; fibric peat; moderate 10-20mm subangular blocky structure; wet when sampled; abrupt to; |
| 3B3 | 0.90 to 1.20 | Grey (2.5Y51) moist; common 10-20% medium 5-15mm distinct orange mottles; clayey coarse sand; very few <2% angular shell medium pebbles 6-20mm; massive structure; wet when sampled; abrupt to; |
| 4D1 | 1.20 to 2.05 | Grey (10YR61) moist; few 2-10% medium 5-15mm faint dark mottles; medium clay; massive structure; moist when sampled; abrupt to; |
| 4D2 | 2.05 to 2.40 | Light grey (N70) moist; common 10-20% medium 5-15mm faint gley mottles; sandy medium clay; massive structure; moist when sampled; |

Field Tests:

| Depth | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.1 | 2.5 | |
| 0.40 | | | | | 4.2 | 2.3 | |
| 0.55 | | | | | 4.4 | 2.2 | |
| 0.60 | | | | | 4.3 | 2.6 | |
| 0.80 | | | | | 5.1 | 3.4 | |
| 0.90 | | | | | 6.0 | 4.4 | |
| 1.00 | | | | | 6.3 | 4.5 | |
| 1.25 | | | | | 6.5 | 2.0 | |
| 1.50 | | | | | 6.5 | 2.9 | |
| 1.75 | | | | | 6.6 | 2.8 | |
| 2.00 | | | | | 6.6 | 2.4 | |
| 2.25 | | | | | 6.6 | 4.7 | |

Notes:

Location SW shore of lake Weyba - End of Lakewood drive.

Site Strong reaction in top of residual soil and at 0.5m - expect non pyritic

Project: SEA

Site: 3158

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

505656 mE
505550 mE

7073758 mN
7073570 mN

Described By: Barry, Earl

Date: 14-Apr-2000

Landscape:

Geology: No record

Landform Pattern: plain

Runoff: No record

Microrelief: No record

Substrate Lithology: No record

Element: swamp

Permeability: No record

Microrelief Component: No record

Classifications:

ASC: Oxyaquic, HYDROSOL

GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| S1 | 0.00 to 0.15 | Greyish brown (10YR52) moist; common 10-20% medium 5-15mm prominent orange mottles; sandy medium clay; massive structure; moist when sampled; clear |
| A1 | 0.15 to 0.35 | Black (10YR21) moist; sandy loam; massive structure; moist when sampled; clear |
| B2 | 0.35 to 0.50 | Greyish brown (10YR52) moist; sandy clay loam; massive structure; moist when sampled; abrupt to; |
| 2D1 | 0.50 to 2.40 | Light grey (N70) moist; common 10-20% coarse 15-30mm prominent orange, common 10-20% coarse 15-30mm faint grey mottles; sandy medium heavy clay; massive structure; moist when sampled; |

Field Tests:

| Depth | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.5 | 3.3 | |
| 0.30 | | | | | 4.4 | 3.1 | |
| 0.60 | | | | | 5.0 | 3.3 | |
| 0.80 | | | | | 4.8 | 3.3 | |
| 1.00 | | | | | 5.2 | 3.3 | |
| 1.50 | | | | | 4.7 | 2.9 | |
| 2.00 | | | | | 4.8 | 3.1 | |

Notes:

Project: SEA**Site: 3164**

Location: GDA 94
Location: AGD 84

ZONE 56 508792 mE
ZONE 56 508686 mE

7053800 mN
 7053612 mN

Described By: Barry, Earl**Date:** 16-May-2000**Runoff:** No record**Permeability:** No record**Microrelief:** No record**Microrelief Component:** No record**Drainage:** No record**Slope:** No record**Classifications:****ASC:** Aquic, PODOSOL**Vegetation:****Tallest Stratum:** Tree, 6.01-12m, mid-dense**Species:** Melaleuca quinquenervia (swamp paperbark, paper-barked tea-tree, broad-leaved tea-tree)**Profile Morphology:**

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| A11 | 0.00 to 0.40 | Black (10YR21) moist; sandy clay loam; massive structure; moist when sampled; clear to; |
| A12 | 0.40 to 0.60 | Very dark greyish brown (10YR32) moist; loamy sand; single grain structure; moist when sampled; abrupt to; |
| A21 | 0.60 to 1.05 | Brown (10YR53) moist; common 10-20% medium 5-15mm faint grey mottles; loamy sand; single grain structure; wet when sampled; abrupt to; |
| C1u | 1.05 to 2.00 | Dark grey (5Y41) moist; light clayey sand; single grain structure; wet when sampled; diffuse to; |
| C2u | 2.00 to 3.80 | Grey (5Y51) moist; sand; single grain structure; wet when sampled; gradual to; |
| 2B21h | 3.80 to 4.70 | Black (10YR21) moist; loamy sand; very few <2% subangular gravel medium pebbles 6-20mm; massive structure; moderately cemented broken massive ortstein; wet when sampled; diffuse to; |
| 2B22hs | 4.70 to 5.50 | Black (10YR21) moist; common 10-20% medium 5-15mm prominent brown mottles; loamy sand; massive structure; moderately cemented broken massive ortstein; wet when sampled; diffuse to; |
| 2B23s | 5.50 to 6.90 | Dark greyish brown (2.5Y43) moist; few 2-10% medium 5-15mm distinct brown mottles; sand; single grain structure; very few <2% medium 2-6mm ferruginous-organic concretions; wet when sampled; |
| 2B3 | 6.90 to 7.25 | Very dark greyish brown (10YR32) moist; common 10-20% coarse 15-30mm distinct brown mottles; sand; single grain structure; wet when sampled; |

Field Tests:

| Depth | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.9 | 3.1 | |
| 0.30 | | | | | 4.8 | 3.6 | |
| 0.60 | | | | | 4.5 | 3.6 | |
| 0.80 | | | | | 4.6 | 3.7 | |
| 1.00 | | | | | 4.4 | 2.8 | |
| 1.25 | | | | | 4.4 | 1.3 | |
| 1.50 | | | | | 4.5 | 1.3 | |
| 1.75 | | | | | 4.5 | 1.2 | |
| 2.00 | | | | | 4.6 | 1.4 | |
| 2.25 | | | | | 4.7 | 1.5 | |
| 2.50 | | | | | 4.8 | 1.6 | |
| 2.75 | | | | | 4.6 | 1.7 | |
| 3.00 | | | | | 5.0 | 1.6 | |
| 3.25 | | | | | 4.9 | 1.1 | |
| 3.50 | | | | | 5.0 | 1.6 | |
| 3.75 | | | | | 5.3 | 1.3 | |
| 4.00 | | | | | 5.5 | 3.5 | |
| 4.25 | | | | | 5.7 | 2.7 | |
| 4.50 | | | | | 5.6 | 2.9 | |
| 4.75 | | | | | 5.7 | 2.7 | |
| 5.00 | | | | | 5.1 | 2.9 | |
| 5.50 | | | | | 5.6 | 3.0 | |
| 6.00 | | | | | 5.4 | 2.5 | |
| 6.50 | | | | | 5.5 | 2.8 | |
| 7.00 | | | | | 5.4 | 3.0 | |

Notes:

Location

Site = SUN 101; Just off Nojoor Rd (Sth) near Maroochy estuary.

Project: SEA **Site:** 3165
Soil Name: No record
Location: GDA 94 **ZONE** 56 **508997 mE** **7055052 mN**
Location: AGD 84 **ZONE** 56 **508891 mE** **7054864 mN**
Described By: Barry, Earl **Date:** 17-May-1999

Landscape:

Geology: No record **Substrate Lithology:** Alluvium
Landform Pattern: beach ridge plain **Element:** plain
Runoff: No record **Permeability:** No record
Microrelief: No record **Microrelief Component:** No record
Drainage: No record **Slope:** No record
Surface Coarse Fragments: No record
Surface Condition: No record

Classifications:

ASC: Aquic, PODOSOL **PPF:** No record
GSG: No record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| A11 | 0.00 to 0.40 | Black (10YR21) moist; sandy clay loam; massive structure; moist when sampled; clear to; |
| A12 | 0.40 to 0.60 | Dark greyish brown (10YR42) moist; common 10-20% medium 5-15mm faint brown mottles; loamy sand; single grain structure; moist when sampled; clear to; |
| A21e | 0.60 to 0.70 | Light grey (10YR72) moist; sand; single grain structure; moist when sampled; clear |
| A22 | 0.70 to 1.50 | Pale brown (10YR63) moist; heavy sand; single grain structure; wet when sampled; gradual to; |
| C1u | 1.50 to 3.50 | Grey (2.5Y51) moist; sand; single grain structure; wet when sampled; diffuse to; |
| C2u | 3.50 to 9.70 | Grey (5Y51) moist; sand; single grain structure; wet when sampled; |

Field Tests:

| Depth | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.9 | 3.8 | |
| 0.30 | | | | | 4.9 | 4.0 | |
| 0.60 | | | | | 5.5 | 4.7 | |
| 0.80 | | | | | 5.4 | 4.5 | |
| 1.00 | | | | | 4.9 | 4.2 | |
| 1.25 | | | | | 5.1 | 3.5 | |
| 1.50 | | | | | 5.1 | 3.0 | |
| 1.75 | | | | | 5.0 | 1.1 | |
| 2.00 | | | | | 5.2 | 1.2 | |
| 2.25 | | | | | 5.2 | 0.9 | |
| 2.50 | | | | | 5.5 | 1.1 | |
| 2.75 | | | | | 5.4 | 1.2 | |
| 3.00 | | | | | 5.2 | 1.2 | |
| 3.25 | | | | | 5.2 | 1.2 | |
| 3.50 | | | | | 4.9 | 1.2 | |
| 3.75 | | | | | 5.4 | 1.2 | |
| 4.00 | | | | | 5.6 | 1.3 | |
| 4.25 | | | | | 4.8 | 1.1 | |
| 4.50 | | | | | 3.3 | 1.2 | |
| 4.75 | | | | | 4.6 | 1.1 | |
| 5.00 | | | | | 4.6 | 1.2 | |
| 5.50 | | | | | 5.2 | 1.2 | |
| 6.00 | | | | | 5.2 | 1.2 | |
| 6.50 | | | | | 4.7 | 1.7 | |
| 7.00 | | | | | 4.8 | 1.6 | |
| 7.50 | | | | | 4.7 | 1.4 | |
| 8.00 | | | | | 4.6 | 1.5 | |
| 8.50 | | | | | 4.7 | 1.4 | |
| 9.00 | | | | | 4.9 | 1.5 | |
| 9.50 | | | | | 5.1 | 1.6 | |

Notes:

Location Site on E side of Nojoor Rd ~ 500m N of Ocean View Drv.

Project: SEA **Site:** 3166

Soil Name: No record

Location: GDA 94 ZONE 56 510044 mE 7056256 mN
Location: AGD 84 ZONE 56 509938 mE 7056068 mN

Described By: Barry, Earl

Date: 17-May-2000

Landscape:

Geology: No record

Substrate Lithology: Alluvium

Landform Pattern: beach ridge plain

Element: swamp

Runoff: No record

Permeability: No record

Microrelief: No record

Microrelief Component: No record

Drainage: No record

Slope: No record

Surface Coarse Fragments: No record

Surface Condition: No record

Classifications:

ASC: Aquic, PODOSOL

GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| A1 | 0.00 to 0.75 | Black (10YR21) moist; loamy sand; massive structure; moist when sampled; diffuse |
| A2e | 0.75 to 1.00 | Light grey (10YR72) moist; few 2-10% medium 5-15mm distinct brown mottles; sand; single grain structure; moist when sampled; clear to; |
| B1 | 1.00 to 1.20 | Dark greyish brown (10YR42) moist; sand; single grain structure; moist when sampled; clear to; |
| B21s | 1.20 to 2.00 | Very dark greyish brown (10YR32) moist; loamy sand; single grain structure; wet when sampled; clear to; |
| B22h | 2.00 to 3.70 | Black (10YR21) moist; sandy loam; massive structure; moderately cemented continuous massive ortstein; wet when sampled; |

Field Tests:

| Depth | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.9 | 3.5 | |
| 0.30 | | | | | 5.1 | 3.1 | |
| 0.60 | | | | | 4.8 | 4.1 | |
| 0.80 | | | | | 4.9 | 4.5 | |
| 1.00 | | | | | 4.9 | 4.1 | |
| 1.10 | | | | | 5.0 | 4.3 | |
| 1.25 | | | | | 4.4 | 1.0 | |
| 1.50 | | | | | 4.9 | 3.7 | |
| 1.75 | | | | | 4.9 | 3.9 | |
| 2.00 | | | | | 4.9 | 3.8 | |
| 2.25 | | | | | 5.1 | 3.6 | |
| 2.75 | | | | | 5.3 | 3.7 | |
| 3.50 | | | | | 5.2 | 3.6 | |
| 3.70 | | | | | 5.4 | 3.8 | |

Notes:

Location Mudjimba surf club - in tea trees behind foredune

Project: SEA

Site: 3170

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

500847 mE
500741 mE

7060675 mN
7060487 mN

Described By: Barry, Earl

Date: 18-May-2000

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: Alluvium
Element: levee
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: Sulfidic, Oxyaquic, HYDROSOL
GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| A11 | 0.00 to 0.20 | Very dark greyish brown (10YR32) moist; sandy light clay; massive structure; moist when sampled; clear to; |
| B21 | 0.20 to 0.70 | Brown (10YR43) moist; sandy light medium clay; weak 10-20mm subangular blocky structure; moist when sampled; gradual to; |
| B22 | 0.70 to 0.90 | Dark greyish brown (2.5Y42) moist; common 10-20% medium 5-15mm distinct gley mottles; sandy light clay; massive structure; wet when sampled; gradual to; |
| 2B31i | 0.90 to 1.30 | Dark grey (5Y41) moist; few 2-10% medium 5-15mm prominent orange mottles; sandy light clay; massive structure; wet when sampled; gradual to; |
| 2C1u | 1.30 to 3.10 | Dark greenish grey (10Y31) moist; clay loam, sandy; few 2-10% other medium pebbles 6-20mm; massive structure; wet when sampled; gradual to; |
| 3C2u | 3.10 to 4.40 | Black (2.5Y21) moist; clayey coarse sand; common 10-20% subrounded gravel medium pebbles 6-20mm, common 10-20% rounded gravel small pebbles 2-6mm, few 2-10% other medium pebbles 6-20mm; single grain structure; wet when |
| 4D1 | 4.40 to 4.80 | Olive grey (5Y42) moist; common 10-20% medium 5-15mm prominent brown mottles; medium heavy clay; massive structure; moist when sampled; |

Field Tests:

| Depth | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.0 | 1.7 | |
| 0.30 | | | | | 4.3 | 2.4 | |
| 0.60 | | | | | 5.0 | 3.3 | |
| 0.80 | | | | | 5.6 | 3.6 | |
| 1.00 | | | | | 6.3 | 3.0 | |
| 1.25 | | | | | 6.5 | 1.6 | |
| 1.50 | | | | | 6.6 | 1.0 | |
| 1.75 | | | | | 6.8 | 1.0 | |
| 2.00 | | | | | 6.8 | 1.0 | |
| 2.25 | | | | | 6.9 | 0.9 | |
| 2.50 | | | | | 7.1 | 1.0 | |
| 2.75 | | | | | 7.1 | 1.1 | |
| 3.00 | | | | | 7.0 | 0.9 | |
| 3.25 | | | | | 6.3 | 0.8 | |
| 3.50 | | | | | 6.6 | 1.0 | |
| 4.00 | | | | | 6.7 | 1.2 | |
| 4.50 | | | | | 6.6 | 6.7 | |
| 4.75 | | | | | 6.6 | 5.5 | |

Notes:

- Site Horizon 2C1u - strong sulfurous odour. Coarse frags are wood and organics. Silt lenses
- Site Horizon 3C2u - Coarse frags are wood fragments.

Project: SEA

Site: 3199

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56 510831 mE
ZONE 56 510725 mE

7041948 mN
7041760 mN

Described By: Malcolm, D (Don)

Date: 11-Oct-2000

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: No record
Element: swamp
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: Sulfuric, Redoxic, HYDROSOL
GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| A11 | 0.00 to 0.20 | Black (10YR21) moist; clay loam; moderate 2-5mm granular structure; |
| A12 | 0.20 to 0.35 | Very dark grey (10YR31) moist; clay loam; weak 2-5mm granular structure; |
| B21 | 0.35 to 0.45 | Grey (10YR51) moist; common 10-20% medium 5-15mm distinct orange mottles; sand; weak 2-5mm subangular blocky structure; |
| 2B21 | 0.45 to 0.70 | Light brownish grey (10YR62) moist; very few <2% fine <5mm distinct orange mottles; sand; single grain structure; |
| 2B22 | 0.70 to 1.20 | Light brownish grey (10YR62) moist; common 10-20% medium 5-15mm distinct orange mottles; sand; single grain structure; |
| 3B21 | 1.20 to 1.40 | Greyish brown (2.5Y52) moist; fine sandy loam; massive structure; |
| 4B21ia | 1.40 to 1.50 | Greyish brown (2.5Y52) moist; very few <2% fine <5mm distinct yellow jarositic (from pyrite) mottles; fine sandy light clay; massive structure; |
| 4C1u | 1.50 to 2.40 | Dark grey (5Y41) moist; fine sandy light clay; massive structure; |
| 5C2u | 2.40 to 3.60 | Dark grey (5Y41, 5Y41) moist; silty light clay; massive structure; |
| 6C3u | 3.60 to 3.70 | Dark greyish brown (2.5Y42) moist; sandy loam; massive structure; |
| 7C4u | 3.70 to 6.00 | Dark grey (2.5Y41) moist; silty light clay; massive structure; |
| 7C5u | 6.00 to 6.75 | Dark grey (5Y41) moist; silty light clay; massive structure; |
| 8C6u | 6.75 to 7.10 | Grey (5Y51) moist; fine sandy light clay; massive structure; |
| 9C7u | 7.10 to 8.50 | Grey (5Y51) moist; fine sand; single grain structure; |
| 9C8u | 8.50 to 10.8 | Grey (5Y51) moist; sand; very few <2% subangular quartz small pebbles 2-6mm; single grain structure; |
| 9C9u | 10.8 to 15.0 | Grey (2.5Y51) moist; coarse sand; few 2-10% subangular quartz small pebbles 2-6mm, very few <2% subangular quartz medium pebbles 6-20mm; single grain |
| 9C10u | 15.0 to 15.5 | Dark grey (2.5Y41) moist; coarse sand; single grain structure; |
| 9D1 | 15.5 to 15.7 | Grey (2.5Y51) moist; loamy fine sand; single grain structure; |

Project: SEA

Site: 3199

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

510831 mE
510725 mE

7041948 mN
7041760 mN

Described By: Malcolm, D (Don)

Date: 11-Oct-2000

Field Tests:

| Depth | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.2 | 3.2 | |
| 0.40 | | | | | 4.0 | 3.2 | |
| 0.60 | | | | | 4.2 | 4.1 | |
| 0.80 | | | | | 3.8 | 3.1 | |
| 1.00 | | | | | 3.9 | 3.4 | |
| 1.25 | | | | | 3.6 | 2.2 | |
| 1.50 | | | | | 3.5 | 1.6 | |
| 1.75 | | | | | 4.2 | 1.4 | |
| 2.00 | | | | | 4.9 | 1.8 | |
| 2.25 | | | | | 5.0 | 1.5 | |
| 2.50 | | | | | 5.2 | 1.6 | |
| 2.75 | | | | | 5.1 | 1.6 | |
| 3.00 | | | | | 5.3 | 1.4 | |
| 3.25 | | | | | 5.2 | 1.6 | |
| 3.50 | | | | | 5.5 | 1.5 | |
| 3.75 | | | | | 5.2 | 1.5 | |
| 4.00 | | | | | 5.5 | 1.5 | |
| 4.25 | | | | | 6.5 | 1.6 | |
| 4.50 | | | | | 6.5 | 1.4 | |
| 4.75 | | | | | 6.8 | 1.4 | |
| 5.00 | | | | | 6.7 | 1.4 | |
| 5.50 | | | | | 6.9 | 1.4 | |
| 6.00 | | | | | 7.0 | 1.5 | |
| 6.50 | | | | | 7.0 | 1.7 | |
| 7.00 | | | | | 6.8 | 2.3 | |
| 7.50 | | | | | 6.8 | 1.9 | |
| 8.00 | | | | | 6.3 | 1.8 | |
| 8.50 | | | | | 5.0 | 1.8 | |
| 9.00 | | | | | 5.0 | 2.1 | |
| 9.50 | | | | | 4.8 | 2.0 | |
| 10.00 | | | | | 4.9 | 1.9 | |
| 10.50 | | | | | 4.2 | 1.9 | |
| 11.00 | | | | | 3.9 | 1.9 | |
| 11.50 | | | | | 4.8 | 1.9 | |
| 12.00 | | | | | 4.3 | 1.9 | |
| 12.50 | | | | | 5.3 | 2.0 | |
| 13.00 | | | | | 5.1 | 1.6 | |
| 13.50 | | | | | 4.5 | 2.0 | |
| 14.00 | | | | | 5.4 | 1.8 | |
| 14.50 | | | | | 3.7 | 1.9 | |
| 15.00 | | | | | 4.8 | 1.9 | |
| 15.50 | | | | | 4.8 | 1.9 | |
| 15.60 | | | | | 5.9 | 2.1 | |

Notes:

Project: SEA Site: 3200

Soil Name: No record

Location: GDA 94 ZONE 56 511031 mE 7043438 mN
Location: AGD 84 ZONE 56 510925 mE 7043250 mN

Described By: Malcolm, D (Don)

Date: 10-Nov-2000

Landscape:

Geology: No record
Landform Pattern: No record
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: No record
Element: No record
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: Sulfuric, Oxyaquic, HYDROSOL

GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| A1 | 0.00 to 0.10 | Very dark grey (10YR31) moist; sandy clay loam; weak 2-5mm granular structure; |
| A2 | 0.10 to 0.20 | Greyish brown (10YR52) moist; sand; single grain structure; No decode(1) when sampled; |
| 2C1 | 0.20 to 0.40 | White (N80) moist; fine sandy light clay; |
| 3C2 | 0.40 to 0.60 | Dark grey (2.5Y41) moist; sandy clay loam; |
| - | 0.60 to 1.20 | |
| 4C4 | 1.20 to 2.10 | Grey (2.5Y51) moist; sand; single grain structure; |
| 5C5 | 2.10 to 2.20 | Dark yellowish brown (10YR44) moist; loamy sand; moderately cemented continuous massive organic pan; |
| 6C6 | 2.20 to 2.50 | Greyish brown (10YR52) moist; fine sandy loam; massive structure; |
| 7C7 | 2.50 to 2.80 | Light brownish grey (10YR62) moist; coarse sandy loam; single grain structure; |
| 8C8 | 2.80 to 3.30 | Grey (10YR61) moist; sandy medium clay; |
| 9C9 | 3.30 to 4.00 | Light grey (10YR71) moist; fine sand; single grain structure; |
| 9C10 | 4.00 to 4.60 | Light grey (2.5Y71) moist; clayey coarse sand; single grain structure; |
| 10D1 | 4.60 to 4.80 | Grey (2.5Y61) moist; medium heavy clay; massive structure; |

Field Tests:

| Depth | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 2.9 | 1.1 | |
| 0.20 | | | | | 3.0 | 1.0 | |
| 0.30 | | | | | 5.0 | 1.1 | |
| 0.40 | | | | | 4.9 | 1.2 | |
| 0.50 | | | | | 5.1 | 1.2 | |
| 1.25 | | | | | 5.0 | 1.1 | |
| 1.50 | | | | | 5.0 | 1.4 | |
| 1.75 | | | | | 4.9 | 1.6 | |
| 2.00 | | | | | 5.2 | 1.3 | |
| 2.25 | | | | | 5.0 | 0.7 | |
| 2.50 | | | | | 4.9 | 2.5 | |
| 2.75 | | | | | 4.7 | 3.5 | |
| 3.00 | | | | | 4.8 | 4.0 | |
| 3.25 | | | | | 4.2 | 3.1 | |
| 3.50 | | | | | 5.0 | 3.1 | |
| 3.75 | | | | | 4.9 | 1.8 | |
| 4.00 | | | | | 5.1 | 3.9 | |
| 4.25 | | | | | 5.3 | 4.2 | |
| 4.50 | | | | | 5.4 | 3.6 | |
| 4.75 | | | | | 5.4 | 4.0 | |

Notes:

Project: SEA

Site: 3201

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56 510606 mE
ZONE 56 510500 mE

7041713 mN
7041525 mN

Described By: Malcolm, D (Don)

Date: 10-Oct-2000

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: No record
Element: swamp
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: Sulfidic, Redoxic, HYDROSOL

GSG: No record

PPF: No record

Vegetation:

Tallest Stratum: Tree, 12.01-20m, mid-dense

Species: Archontophoenix alexandrae (Alexandra palm)

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| A11 | 0.00 to 0.30 | Very dark greyish brown (10YR32) moist; very few <2% fine <5mm faint orange mottles; light medium clay; weak 2-5mm subangular blocky structure; |
| A12 | 0.30 to 0.50 | Very dark greyish brown (10YR32) moist; few 2-10% fine <5mm distinct orange mottles; medium clay; weak 2-5mm subangular blocky structure; |
| B21 | 0.50 to 0.70 | Grey (10YR61) moist; few 2-10% fine <5mm distinct orange mottles; medium heavy clay; weak 2-5mm subangular blocky structure; |
| 2B21 | 0.70 to 1.50 | Light brownish grey (10YR62) moist; few 2-10% coarse 15-30mm distinct orange mottles; fine sand; single grain structure; |
| 2B2 | 1.50 to 1.75 | Grey (2.5Y51) moist; very few <2% medium 5-15mm distinct orange mottles; fine sandy loam; massive structure; |
| 2C1u | 1.75 to 1.95 | Grey (5Y51) moist; fine sandy loam; massive structure; |
| 3C2u | 1.95 to 4.00 | Dark grey (5Y41) moist; fine sandy light clay; few 2-10% angular shell medium pebbles 6-20mm; massive structure; |
| 3C3u | 4.00 to 4.40 | Dark grey (5Y41) moist; fine sandy light clay; few 2-10% angular shell medium pebbles 6-20mm; massive structure; |
| 4C4u | 4.40 to 9.80 | Dark grey (5Y41) moist; silty light clay; very few <2% angular shell medium pebbles 6-20mm; massive structure; |
| 5C5u | 9.80 to | Grey (2.5Y51) moist; fine sand; single grain structure; |
| 6C6u | 10.8 to 12.0 | Grey (2.5Y51) moist; sand; single grain structure; |
| 7C7u | 12.0 to 13.3 | Grey (2.5Y61) moist; coarse sand; very few <2% subangular quartz medium pebbles 6-20mm; single grain structure; |
| 8C8u | 13.3 to 14.5 | Greenish grey (5G61) moist; fine sandy clay loam; massive structure; |

Project: SEA

Site: 3201

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

510606 mE
510500 mE

7041713 mN
7041525 mN

Described By: Malcolm, D (Don)

Date: 10-Oct-2000

Field Tests:

| Depth | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.9 | 3.1 | |
| 0.30 | | | | | 4.9 | 2.9 | |
| 0.60 | | | | | 4.7 | 3.2 | |
| 0.80 | | | | | 5.3 | 3.5 | |
| 1.00 | | | | | 4.9 | 3.6 | |
| 1.25 | | | | | 5.7 | 3.8 | |
| 1.50 | | | | | 6.4 | 4.2 | |
| 1.75 | | | | | 6.8 | 2.8 | |
| 1.95 | | | | | 6.5 | 1.5 | |
| 2.25 | | | | | 5.3 | 1.5 | |
| 2.50 | | | | | 6.7 | 2.0 | |
| 2.75 | | | | | 6.9 | 1.8 | |
| 3.00 | | | | | 6.8 | 1.3 | |
| 3.25 | | | | | 6.9 | 1.6 | |
| 3.50 | | | | | 7.0 | 1.8 | |
| 3.75 | | | | | 7.3 | 1.8 | |
| 4.00 | | | | | 7.3 | 1.8 | |
| 4.25 | | | | | 7.3 | 2.0 | |
| 4.50 | | | | | 7.8 | 1.7 | |
| 4.75 | | | | | 7.9 | 1.8 | |
| 5.00 | | | | | 7.7 | 1.9 | |
| 5.50 | | | | | 7.7 | 1.5 | |
| 6.00 | | | | | 7.8 | 1.8 | |
| 6.50 | | | | | 8.0 | 1.9 | |
| 7.00 | | | | | 8.1 | 1.7 | |
| 7.50 | | | | | 7.7 | 1.8 | |
| 8.00 | | | | | 8.0 | 1.8 | |
| 8.50 | | | | | 7.8 | 1.7 | |
| 9.00 | | | | | 7.9 | 2.0 | |
| 9.50 | | | | | 7.5 | 2.2 | |
| 10.00 | | | | | 7.2 | 1.3 | |
| 10.50 | | | | | 7.4 | 1.6 | |
| 11.00 | | | | | 7.2 | 1.8 | |
| 11.50 | | | | | 7.5 | 1.9 | |
| 12.00 | | | | | 8.0 | 1.8 | |
| 12.50 | | | | | 8.0 | 1.8 | |
| 13.00 | | | | | 7.6 | 1.8 | |
| 13.50 | | | | | 7.5 | 2.4 | |
| 14.00 | | | | | 7.7 | 3.3 | |
| 14.50 | | | | | 8.7 | 2.0 | |

Notes:

Observation Pure Stand of palms

Project: SEA

Site: 3202

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56 510466 mE
ZONE 56 510360 mE

7042938 mN
7042750 mN

Described By: Malcolm, D (Don)

Date: 10-Oct-2000

Landscape:

Geology: No record
Landform Pattern: No record
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: No record
Element: No record
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: Sulfidic, Redoxic, HYDROSOL

GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| A11 | 0.00 to 0.30 | Very dark grey (10YR31) moist; fine sandy light clay; moderate 2-5mm granular structure; |
| A12 | 0.30 to 0.50 | Very dark greyish brown (10YR32) moist; fine sandy light clay; weak 2-5mm granular structure; |
| 2B2 | 0.50 to 1.20 | Greyish brown (10YR52) moist; common 10-20% medium 5-15mm distinct orange mottles; fine sand; single grain structure; |
| 3C1 | 1.20 to 1.50 | Dark grey (2.5Y41) moist; silty light clay; massive structure; |
| 4C2 | 1.50 to 2.20 | Grey (2.5Y51) moist; loamy fine sand; single grain structure; |
| 5D1 | 2.20 to 3.00 | Grey (N60) moist; few 2-10% medium 5-15mm distinct orange, few 2-10% medium 5-15mm distinct red mottles; medium heavy clay; massive structure; |
| 5D2 | 3.00 to 3.60 | Grey (N60) moist; sandy medium heavy clay; massive structure; |

Field Tests:

| Depth | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 5.0 | 2.6 | |
| 0.30 | | | | | 4.6 | 2.9 | |
| 0.60 | | | | | 5.2 | 3.7 | |
| 0.80 | | | | | 4.6 | 3.4 | |
| 1.00 | | | | | 4.6 | 3.2 | |
| 1.25 | | | | | 4.0 | 2.6 | |
| 1.50 | | | | | 4.2 | 1.2 | |
| 1.75 | | | | | 4.3 | 1.4 | |
| 2.00 | | | | | 4.3 | 1.5 | |
| 2.25 | | | | | 5.3 | 2.9 | |
| 2.50 | | | | | 5.7 | 3.1 | |
| 2.75 | | | | | 5.8 | 3.5 | |
| 3.00 | | | | | 5.6 | 3.7 | |
| 3.25 | | | | | 5.5 | 3.6 | |
| 3.50 | | | | | 5.7 | 3.0 | |

Notes:

Project: SEA **Site:** 3203

Soil Name: No record

Location: GDA 94 **ZONE** 56 **510856 mE** **7041213 mN**
Location: AGD 84 **ZONE** 56 **510750 mE** **7041025 mN**

Described By: Johnston, Philip Leslie Woodford

Date: 10-Oct-2000

Landscape:

Geology: No record

Substrate Lithology: No record

Landform Pattern: No record

Element: No record

Runoff: No record

Permeability: No record

Microrelief: No record

Microrelief Component: No record

Drainage: No record

Slope: No record

Surface Coarse Fragments: No record

Surface Condition: No record

Classifications:

ASC: Sulfidic, Oxyaquic, HYDROSOL

GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| A11 | 0.00 to 0.10 | Black (5Y2.51) moist; fine sandy light clay; wet when sampled; clear to; |
| A12 | 0.10 to 0.45 | Black (10YR21) moist; very few <2% medium 5-15mm faint grey mottles; fine sandy clay loam; massive structure; wet when sampled; clear to; |
| 2C1 | 0.45 to 0.60 | Greyish brown (2.5Y52) moist; fine sand; single grain structure; wet when sampled; clear to; |
| 3C2 | 0.60 to 0.90 | Very dark grey (5Y31) moist; silty clay loam; massive structure; wet when sampled; diffuse to; |
| 4C3 | 0.90 to 1.10 | Very dark grey (2.5Y31) moist; sandy light clay; massive structure; wet when sampled; clear to; |
| 5C4 | 1.10 to 1.40 | Very dark grey (2.5Y31) moist; loamy sand; massive structure; wet when sampled; diffuse to; |
| 6C5 | 1.40 to 2.00 | Dark grey (7.5YR41) moist; sand; single grain structure; wet when sampled; |
| 7C6 | 2.00 to 2.20 | Black (2.5Y21) moist; sandy clay; massive structure; wet when sampled; |
| 8C7 | 2.20 to 2.90 | Dark grey (2.5Y41) moist; clayey sand; single grain structure; wet when sampled; diffuse to; |
| 9B2h | 2.90 to 3.60 | Redish black (2.5YR2.51) moist; loamy sand; massive structure; weakly cemented continuous massive organic pan; wet when sampled; |

Field Tests:

| Depth | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.5 | 3.3 | |
| 0.30 | | | | | 4.7 | 3.3 | |
| 0.60 | | | | | 4.9 | 2.8 | |
| 0.80 | | | | | 5.5 | 2.6 | |
| 1.00 | | | | | 5.1 | 2.5 | |
| 1.25 | | | | | 4.8 | 3.2 | |
| 1.50 | | | | | 5.6 | 2.3 | |
| 1.75 | | | | | 5.6 | 2.0 | |
| 2.00 | | | | | 5.6 | 2.6 | |
| 2.25 | | | | | 5.3 | 3.0 | |
| 2.50 | | | | | 5.3 | 2.4 | |
| 2.75 | | | | | 5.4 | 2.4 | |
| 3.00 | | | | | 5.5 | 3.3 | |
| 3.25 | | | | | 5.6 | 3.3 | |
| 3.50 | | | | | 5.4 | 3.1 | |

Notes:

Project: SEA **Site:** 3204

Soil Name: No record

Location: GDA 94 **ZONE** 56 **511331 mE** **7043113 mN**
Location: AGD 84 **ZONE** 56 **511225 mE** **7042925 mN**

Described By: Johnston, Philip Leslie Woodford

Date: 12-Oct-2000

Landscape:

Geology: No record

Landform Pattern: No record

Runoff: No record

Microrelief: No record

Drainage: No record

Surface Coarse Fragments: No record

Surface Condition: No record

Substrate Lithology: Alluvium

Element: No record

Permeability: No record

Microrelief Component: No record

Slope: No record

Classifications:

ASC: Aquic, PODOSOL

GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| S1 | 0.00 to 0.20 | Pale brown (10YR6/3) moist; common 10-20% medium 5-15mm distinct brown, few 2-10% fine <5mm distinct orange mottles; heavy clay; common 10-20% subangular gravel small pebbles 2-6mm; wet when sampled; abrupt to; |
| 2A11 | 0.20 to 0.45 | Black (10YR2/1) moist; sapric fine sandy loam; wet when sampled; clear to; |
| 2A12 | 0.45 to 0.55 | Very dark grey (10YR3/1) moist; fine sandy loam; wet when sampled; clear to; |
| 2B2 | 0.55 to 0.95 | Very dark grey (2.5Y3/1) moist; silty loam; wet when sampled; clear to; |
| 3B21hs | 0.95 to 1.50 | Very dark brown (7.5YR2.5/2) moist; loamy sand; weakly cemented massive ortstein; wet when sampled; clear to; |
| 3B22h | 1.50 to 1.60 | Black (7.5YR2/0) moist; loamy sand; moderately cemented continuous massive organic pan; moderately moist when sampled; |

Field Tests:

| Depth | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 3.7 | 1.8 | |
| 0.30 | | | | | 4.8 | 2.8 | |
| 0.60 | | | | | 5.6 | 2.4 | |
| 0.80 | | | | | 5.3 | 3.3 | |
| 1.00 | | | | | 5.0 | 3.1 | |
| 1.25 | | | | | 4.8 | 3.1 | |
| 1.50 | | | | | 5.0 | 3.2 | |

Notes:

Project: SEA **Site:** 3205

Soil Name: No record

Location: GDA 94 ZONE 56 511331 mE 7043113 mN
Location: AGD 84 ZONE 56 511225 mE 7042925 mN

Described By: Johnston, Philip Leslie Woodford

Date: 12-Oct-2000

Landscape:

Geology: No record

Landform Pattern: No record

Runoff: No record

Microrelief: No record

Drainage: No record

Surface Coarse Fragments: No record

Surface Condition: No record

Substrate Lithology: No record

Element: No record

Permeability: No record

Microrelief Component: No record

Slope: No record

Classifications:

ASC: Aquic, PODOSOL

GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| A11 | 0.00 to 0.40 | Black (10YR21) moist; few 2-10% medium 5-15mm distinct orange mottles; silty clay loam; massive structure; moderately moist when sampled; diffuse to; |
| B2 | 0.40 to 0.50 | Very dark greyish brown (10YR32) moist; few 2-10% medium 5-15mm distinct orange mottles; silty light clay; massive structure; wet when sampled; diffuse to; |
| 2A2 | 0.50 to 1.00 | Grey (10YR61) moist; many 20-50% medium 5-15mm distinct dark mottles; sand; single grain structure; weakly cemented massive organic pan; wet when sampled; |
| 2B2h | 1.00 to 1.80 | Black (10YR20) moist; sapric loamy sand; massive structure; moderately moist when sampled; |

Field Tests:

| Depth | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.7 | 2.8 | |
| 0.30 | | | | | 4.5 | 3.3 | |
| 0.60 | | | | | 4.4 | 3.1 | |
| 0.80 | | | | | 4.2 | 2.7 | |
| 0.95 | | | | | 4.2 | 2.9 | |
| 1.25 | | | | | 3.9 | 2.3 | |
| 1.50 | | | | | 3.9 | 2.2 | |
| 1.75 | | | | | 3.9 | 1.1 | |

Notes:

Project: SEA

Site: 3206

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

511381 mE
511275 mE

7042628 mN
7042440 mN

Described By: Barry, Earl

Date: 12-Oct-2000

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: Alluvium
Element: swamp
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: Sulfidic, Hemic, ORGANOSOL
GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| A1 | 0.00 to 0.50 | Black (10YR21) moist; sapric silty clay loam; weak 10-20mm subangular blocky structure; moist when sampled; gradual to; |
| B21 | 0.50 to 0.60 | Greyish brown (2.5Y52) moist; common 10-20% medium 5-15mm prominent orange mottles; light clay; massive structure; wet when sampled; clear to; |
| B3 | 0.60 to 1.00 | Grey (2.5Y51) moist; common 10-20% coarse 15-30mm prominent orange mottles; heavy sandy clay loam; massive structure; wet when sampled; clear to; |
| 2A2 | 1.00 to 1.60 | Greyish brown (2.5Y52) moist; few 2-10% very coarse >30mm prominent brown, few 2-10% medium 5-15mm distinct gley mottles; clayey sand; single grain structure; very few <2% coarse 6-20mm ferruginous-organic fragments; wet when |
| 3C1u | 1.60 to 4.20 | Dark greenish grey (10Y31) moist; silty medium clay; very few <2% angular shell small pebbles 2-6mm; massive structure; wet when sampled; gradual to; |
| 4C2u | 4.20 to 4.80 | Very dark grey (5Y31) moist; clayey sand; single grain structure; wet when sampled; gradual to; |
| 5C3u | 4.80 to 7.40 | Dark greenish grey (10Y31) moist; sapric silty medium clay; very few <2% angular shell small pebbles 2-6mm; massive structure; wet when sampled; |
| 6C4u | 7.40 to 7.80 | Dark greenish grey (10Y31) moist; sandy light clay; massive structure; wet when sampled; |
| 7D1 | 7.80 to 8.40 | Grey (N50) moist; sandy light medium clay; massive structure; wet when sampled; |
| 8D2 | 8.40 to 9.40 | Grey (N50) moist; sandy clay loam; massive structure; wet when sampled; |
| 9D3 | 9.40 to | Greenish grey (10Y61) moist; coarse sand; many 20-50% subangular quartz small pebbles 2-6mm; single grain structure; wet when sampled; |
| 9D4 | 10.6 to 10.8 | Greyish brown (2.5Y52) moist; sand; very few <2% subangular quartz small pebbles 2-6mm; single grain structure; wet when sampled; |

Project: SEA

Site: 3206

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

511381 mE
511275 mE

7042628 mN
7042440 mN

Described By: Barry, Earl

Date: 12-Oct-2000

Field Tests:

| Depth | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.7 | 2.9 | |
| 0.30 | | | | | 4.5 | 2.9 | |
| 0.60 | | | | | 4.2 | 2.6 | |
| 0.80 | | | | | 4.2 | 2.8 | |
| 1.00 | | | | | 4.3 | 2.9 | |
| 1.25 | | | | | 6.2 | 3.4 | |
| 1.50 | | | | | 6.2 | 3.8 | |
| 1.75 | | | | | 6.9 | 2.0 | |
| 2.00 | | | | | 6.7 | 2.0 | |
| 2.25 | | | | | 6.8 | 1.3 | |
| 2.50 | | | | | 6.9 | 1.1 | |
| 2.75 | | | | | 7.2 | 1.4 | |
| 3.00 | | | | | 7.1 | 1.3 | |
| 3.25 | | | | | 6.8 | 1.3 | |
| 3.50 | | | | | 7.6 | 1.4 | |
| 3.75 | | | | | 7.3 | 1.4 | |
| 4.00 | | | | | 7.1 | 1.9 | |
| 4.25 | | | | | 7.5 | 1.4 | |
| 4.50 | | | | | 7.8 | 1.9 | |
| 4.75 | | | | | 7.9 | 2.0 | |
| 5.00 | | | | | 7.1 | 1.4 | |
| 5.50 | | | | | 7.1 | 1.6 | |
| 6.00 | | | | | 7.7 | 1.7 | |
| 6.50 | | | | | 7.1 | 1.6 | |
| 6.80 | | | | | 7.1 | 1.7 | |
| 7.25 | | | | | 7.1 | 1.4 | |
| 7.50 | | | | | 7.0 | 1.1 | |
| 8.00 | | | | | 7.5 | 2.4 | |
| 8.20 | | | | | 7.1 | 2.1 | |
| 8.50 | | | | | 6.8 | 1.7 | |
| 9.00 | | | | | 7.0 | 3.1 | |
| 9.50 | | | | | 6.9 | 1.8 | |
| 10.00 | | | | | 7.6 | 5.7 | |
| 10.50 | | | | | 7.3 | 5.0 | |
| 10.80 | | | | | 7.4 | 5.7 | |

Notes:

Project: SEA

Site: 3207

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

511296 mE
511190 mE

7042378 mN
7042190 mN

Described By: Barry, Earl

Date: 17-Oct-2000

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: Alluvium
Element: swamp
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: Sulfuric, Hemic, ORGANOSOL

GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| A1 | 0.00 to 0.45 | Black (10YR21) moist; sapric silty light clay; massive structure; wet when sampled; clear to; |
| B21 | 0.45 to 0.55 | Grey (10YR51) moist; few 2-10% coarse 15-30mm distinct brown mottles; light clay; massive structure; wet when sampled; clear to; |
| B3 | 0.55 to 1.20 | Grey (2.5Y51) moist; common 10-20% coarse 15-30mm prominent brown, common 10-20% coarse 15-30mm prominent orange mottles; sandy clay loam; massive structure; wet when sampled; |
| 2C1ia | 1.20 to 1.80 | Very dark grey (5Y31) moist; very few <2% medium 5-15mm distinct yellow jarositic (from pyrite) mottles; silty light clay; massive structure; wet when |
| 3C2 | 1.80 to 2.40 | Greenish black (10Y2.51) moist; silty light medium clay; massive structure; wet when sampled; |
| 4C3u | 2.40 to 3.40 | Greenish black (10Y2.51) moist; silty light medium clay; few 2-10% angular shell small pebbles 2-6mm; massive structure; wet when sampled; |
| 5C4u | 3.40 to 4.65 | Greenish black (10Y2.51) moist; silty light medium clay; few 2-10% other medium pebbles 6-20mm; massive structure; wet when sampled; |
| 6D1 | 4.65 to 6.00 | Dark grey (N40) moist; medium heavy clay; massive structure; moist when |

Field Tests:

| Depth | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.8 | 3.6 | |
| 0.30 | | | | | 4.9 | 3.3 | |
| 0.60 | | | | | 4.8 | 2.3 | |
| 0.80 | | | | | 4.5 | 2.3 | |
| 1.00 | | | | | 3.9 | 1.8 | |
| 1.25 | | | | | 2.9 | 1.8 | |
| 1.50 | | | | | 5.2 | 1.8 | |
| 1.75 | | | | | 5.9 | 1.6 | |
| 2.00 | | | | | 5.9 | 2.1 | |
| 2.25 | | | | | 6.4 | 2.2 | |
| 2.50 | | | | | 7.1 | 1.8 | |
| 2.75 | | | | | 6.9 | 1.9 | |
| 3.00 | | | | | 7.1 | 1.6 | |
| 3.25 | | | | | 7.2 | 1.7 | |
| 3.50 | | | | | 7.3 | 1.7 | |
| 3.75 | | | | | 7.2 | 1.3 | |
| 4.00 | | | | | 7.1 | 1.6 | |
| 4.25 | | | | | 7.1 | 1.5 | |
| 4.50 | | | | | 7.0 | 1.3 | |
| 4.75 | | | | | 7.6 | 2.3 | |
| 5.00 | | | | | 7.6 | 2.5 | |
| 5.50 | | | | | 7.8 | 5.7 | |
| 6.00 | | | | | 7.7 | 5.8 | |

Notes:

Project: SEA **Site:** 3208

Soil Name: No record

Location: GDA 94 **ZONE** 56 **511456 mE** **7043513 mN**
Location: AGD 84 **ZONE** 56 **511350 mE** **7043325 mN**

Described By: Johnston, Philip Leslie Woodford

Date: 12-Oct-2000

Landscape:

Geology: No record

Landform Pattern: alluvial plain

Runoff: No record

Microrelief: No record

Drainage: No record

Surface Coarse Fragments: No record

Surface Condition: No record

Substrate Lithology: Alluvium

Element: No record

Permeability: No record

Microrelief Component: No record

Slope: No record

Classifications:

ASC: Sulfuric, Redoxic, HYDROSOL

GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| A11 | 0.00 to 0.20 | Black (10YR21) moist; sapric fine sandy loam; moderate 5-10mm subangular blocky structure; moderately moist when sampled; clear to; |
| A3 | 0.20 to 0.40 | Very dark grey (10YR31) moist; common 10-20% fine <5mm distinct orange, common 10-20% medium 5-15mm distinct pale mottles; fine sandy loam; weak 2-5mm granular structure; moderately moist when sampled; clear to; |
| B21 | 0.40 to 0.75 | Light brownish grey (10YR62) moist; many 20-50% medium 5-15mm prominent orange mottles; clayey sand; single grain structure; moderately moist when sampled; diffuse to; |
| C1 | 0.75 to 1.75 | Greyish brown (2.5Y52) moist; clayey sand; few 2-10% rounded small pebbles 2-6mm; single grain structure; wet when sampled; gradual to; |
| 2C2u | 1.75 to 2.30 | Black (5Y2.51) moist; silty light clay; few 2-10% rounded other small pebbles 2-6mm; massive structure; wet when sampled; abrupt to; |
| 3C3u | 2.30 to 3.40 | Dark greyish brown (10YR42) moist; clayey sand; massive structure; wet when sampled; diffuse to; |
| 4D1 | 3.40 to 3.60 | Grey (2.5Y51) moist; light medium clay; massive structure; wet when sampled; abrupt to; |
| 5D2 | 3.60 to 4.60 | Light brownish grey (10YR62) moist; coarse sand; single grain structure; wet when sampled; gradual to; |
| 6D3 | 4.60 to 4.81 | Grey (2.5Y51) moist; medium heavy clay; massive structure; wet when sampled; |

Field Tests:

| Depth | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 3.9 | 2.9 | |
| 0.30 | | | | | 3.6 | 2.6 | |
| 0.60 | | | | | 3.1 | 2.8 | |
| 0.80 | | | | | 3.8 | 2.6 | |
| 1.00 | | | | | 4.0 | 2.7 | |
| 1.25 | | | | | 4.7 | 2.8 | |
| 1.50 | | | | | 4.4 | 2.0 | |
| 1.80 | | | | | 4.1 | 1.2 | |
| 2.00 | | | | | 4.4 | 0.9 | |
| 2.25 | | | | | 4.7 | 1.3 | |
| 2.50 | | | | | 5.1 | 1.6 | |
| 2.75 | | | | | 5.5 | 1.6 | |
| 3.00 | | | | | 5.5 | 1.8 | |
| 3.25 | | | | | 5.4 | 2.1 | |
| 3.50 | | | | | 5.7 | 2.7 | |
| 3.75 | | | | | 5.5 | 1.5 | |
| 4.00 | | | | | 6.0 | 1.9 | |
| 4.25 | | | | | 6.0 | 2.9 | |
| 4.50 | | | | | 6.1 | 2.2 | |
| 4.75 | | | | | 5.8 | 3.5 | |

Notes:

Project: SEA

Site: 3209

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

511306 mE
511200 mE

7040738 mN
7040550 mN

Described By: Barry, Earl

Date: 13-Oct-2000

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: Alluvium
Element: levee
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: Sulfidic, Oxyaquic, HYDROSOL
GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| A1 | 0.00 to 0.15 | Very dark greyish brown (10YR32) moist; silty medium clay; massive structure; moist when sampled; clear to; |
| 2A1 | 0.15 to 0.30 | Very dark grey (10YR31) moist; clayey sand; massive structure; moist when sampled; clear to; |
| 3A2 | 0.30 to 0.40 | Very dark grey (2.5Y31) moist; silty medium clay; massive structure; moist when sampled; abrupt to; |
| 4A3 | 0.40 to 0.65 | Black (10YR21) moist; common 10-20% coarse 15-30mm prominent brown mottles; clay loam; massive structure; moist when sampled; abrupt to; |
| 5C1u | 0.65 to 2.50 | Dark greenish grey (10Y31) moist; silty light medium clay; very few <2% other medium pebbles 6-20mm; massive structure; wet when sampled; clear to; |
| 6C2 | 2.50 to 3.50 | Greyish brown (2.5Y52) moist; clayey sand; very few <2% other medium pebbles 6-20mm; single grain structure; wet when sampled; abrupt to; |
| 7B2h | 3.50 to 4.30 | Black (10YR21) moist; sandy loam; massive structure; wet when sampled; gradual |
| 8D1 | 4.30 to 6.00 | Pale yellow (2.5Y73) moist; few 2-10% medium 5-15mm distinct yellow, very few <2% medium 5-15mm prominent red, common 10-20% medium 5-15mm distinct grey mottles; medium heavy clay; massive structure; moist when sampled; |

Field Tests:

| Depth | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 3.3 | 1.2 | |
| 0.30 | | | | | 3.2 | 1.7 | |
| 0.60 | | | | | 5.3 | 3.0 | |
| 0.80 | | | | | 4.5 | 1.4 | |
| 1.00 | | | | | 5.1 | 1.4 | |
| 1.25 | | | | | 5.5 | 1.4 | |
| 1.50 | | | | | 5.7 | 1.2 | |
| 1.75 | | | | | 6.0 | 1.2 | |
| 2.00 | | | | | 6.0 | 1.2 | |
| 2.25 | | | | | 6.1 | 1.3 | |
| 2.60 | | | | | 6.2 | 0.9 | |
| 2.75 | | | | | 6.0 | 0.9 | |
| 3.00 | | | | | 6.1 | 2.0 | |
| 3.25 | | | | | 6.3 | 1.5 | |
| 3.50 | | | | | 6.4 | 1.8 | |
| 3.75 | | | | | 6.1 | 3.8 | |
| 4.00 | | | | | 6.1 | 4.5 | |
| 4.25 | | | | | 6.2 | 2.8 | |
| 4.50 | | | | | 6.1 | 1.9 | |
| 4.75 | | | | | 6.7 | 2.1 | |
| 5.00 | | | | | 6.2 | 5.9 | |
| 5.50 | | | | | 6.2 | 4.4 | |
| 6.00 | | | | | 6.0 | 4.1 | |

Notes:

Project: SEA

Site: 3210

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56 511146 mE
ZONE 56 511040 mE

7041688 mN
7041500 mN

Described By: Barry, Earl

Date: 13-Oct-2000

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: Alluvium
Element: swamp
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: Sulfidic, Redoxic, HYDROSOL

GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| A1 | 0.00 to 0.20 | Black (10YR21) moist; hemic peat; wet when sampled; |
| 2B21 | 0.20 to 0.40 | Very dark grey (10YR31) moist; sapric silty light medium clay; massive structure; moist when sampled; |
| 2B22 | 0.40 to 0.55 | Dark greyish brown (2.5Y42) moist; common 10-20% medium 5-15mm prominent orange mottles; sandy medium clay; massive structure; moist when sampled; |
| 2C1u | 0.55 to 0.80 | Dark grey (2.5Y41) moist; sandy medium clay; massive structure; wet when |
| 3C2u | 0.80 to 1.35 | Dark greyish brown (2.5Y42) moist; common 10-20% coarse 15-30mm distinct dark mottles; clayey sand; single grain structure; wet when sampled; clear to; |
| 3C3u | 1.35 to 2.50 | Greyish brown (2.5Y52) moist; common 10-20% coarse 15-30mm distinct dark mottles; heavy sand; single grain structure; wet when sampled; gradual to; |
| 3C4u | 2.50 to 3.60 | Light brownish grey (2.5Y62) moist; sand; single grain structure; wet when sampled; clear to; |
| 4D1 | 3.60 to 4.80 | Grey (N60) moist; many 20-50% coarse 15-30mm prominent brown, few 2-10% medium 5-15mm prominent red mottles; sandy medium clay; massive structure; moist when sampled; |

Field Tests:

| Depth | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.1 | 2.9 | |
| 0.30 | | | | | 4.5 | 3.0 | |
| 0.50 | | | | | 4.1 | 2.5 | |
| 0.60 | | | | | 4.2 | 2.4 | |
| 0.80 | | | | | 4.3 | 2.4 | |
| 1.00 | | | | | 4.7 | 2.9 | |
| 1.25 | | | | | 4.7 | 1.9 | |
| 1.50 | | | | | 4.6 | 0.9 | |
| 1.75 | | | | | 5.2 | 1.8 | |
| 2.00 | | | | | 5.3 | 1.8 | |
| 2.25 | | | | | 5.1 | 1.7 | |
| 2.50 | | | | | 5.1 | 1.7 | |
| 2.75 | | | | | 4.6 | 1.8 | |
| 3.00 | | | | | 4.6 | 1.8 | |
| 3.25 | | | | | 4.7 | 1.7 | |
| 3.50 | | | | | 4.5 | 1.6 | |
| 3.75 | | | | | 5.0 | 3.2 | |
| 4.00 | | | | | 5.2 | 3.4 | |
| 4.25 | | | | | 5.3 | 3.3 | |
| 4.50 | | | | | 5.8 | 3.4 | |
| 4.75 | | | | | 5.6 | 3.3 | |

Notes:

Project: SEA

Site: 3212

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

512736 mE
512630 mE

7041808 mN
7041620 mN

Described By: Johnston, Philip Leslie Woodford

Date: 14-Oct-2000

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: No record
Element: No record
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: HYDROSOL
GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| S1 | 0.00 to 0.25 | Very dark greyish brown (10YR32) moist; loamy sand; single grain structure; moderately moist when sampled; gradual to; |
| S2 | 0.25 to 0.40 | Dark greyish brown (10YR42) moist; loamy sand; single grain structure; moderately moist when sampled; clear to; |
| S3 | 0.40 to 0.55 | Dark greyish brown (2.5Y42) moist; loamy sand; massive structure; moderately moist when sampled; clear to; |
| 2A2 | 0.55 to 0.70 | Grey (10YR61) moist; many 20-50% fine <5mm distinct dark mottles; clayey fine sand; single grain structure; moderately moist when sampled; abrupt to; |
| 2B1 | 0.70 to 0.90 | Dark greyish brown (10YR42) moist; clayey fine sand; wet when sampled; clear to; |
| 2B2 | 0.90 to 1.15 | Very dark greyish brown (2.5Y32) moist; few 2-10% coarse 15-30mm distinct brown mottles; loamy sand; single grain structure; weakly cemented discontinuous massive organic pan; wet when sampled; clear to; |
| 3C1 | 1.15 to 1.35 | Greyish brown (10YR52) moist; common 10-20% medium 5-15mm distinct dark mottles; clayey sand; single grain structure; wet when sampled; gradual to; |
| 4C2 | 1.35 to 2.10 | Light brownish grey (10YR62) moist; clayey sand; single grain structure; wet when sampled; clear to; |
| 5D1 | 2.10 to 2.50 | Light greenish grey (10Y71) moist; sandy loam; massive structure; wet when sampled; clear to; |
| 6D2 | 2.50 to 2.75 | Brown (10YR53) moist; clayey sand; single grain structure; wet when sampled; gradual to; |
| 7D3 | 2.75 to 3.59 | Grey (2.5Y61) moist; heavy clay; wet when sampled; |

Field Tests:

| Depth | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 5.5 | 4.3 | |
| 0.30 | | | | | 6.0 | 4.4 | |
| 0.60 | | | | | 5.4 | 4.2 | |
| 0.80 | | | | | 6.1 | 4.2 | |
| 1.00 | | | | | 5.2 | 2.9 | |
| 1.25 | | | | | 6.2 | 2.8 | |
| 1.50 | | | | | 6.2 | 3.8 | |
| 1.75 | | | | | 5.7 | 2.9 | |
| 2.00 | | | | | 5.4 | 3.2 | |
| 2.25 | | | | | 5.4 | 3.2 | |
| 2.50 | | | | | 4.9 | 3.8 | |
| 2.75 | | | | | 5.1 | 4.3 | |
| 3.00 | | | | | 5.4 | 2.9 | |
| 3.25 | | | | | 5.6 | | |
| 3.50 | | | | | 5.5 | | |

Notes:

Project: SEA

Site: 3213

Soil Name: No record

Location: GDA 94 ZONE 56 509606 mE 7042128 mN
Location: AGD 84 ZONE 56 509500 mE 7041940 mN

Described By: Johnston, Philip Leslie Woodford

Date: 14-Oct-2000

Landscape:

Geology: No record

Landform Pattern: alluvial plain

Runoff: No record

Microrelief: No record

Drainage: No record

Surface Coarse Fragments: No record

Surface Condition: No record

Substrate Lithology: No record

Element: No record

Permeability: No record

Microrelief Component: No record

Slope: No record

Classifications:

ASC: Grey, DERMOSOL

GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| A1 | 0.00 to 0.08 | Very dark grey (5Y31) moist; very few <2% fine <5mm distinct orange mottles; fine sandy clay loam; moderate 2-5mm subangular blocky structure; moderately moist when sampled; clear to; |
| B21 | 0.08 to 0.45 | Common 10-20% fine <5mm prominent orange mottles; fine sandy light clay; moderate 2-5mm granular structure; moderately moist when sampled; diffuse to; |
| B22 | 0.45 to 0.95 | Dark grey (5Y41) moist; many 20-50% medium 5-15mm distinct orange mottles; light medium clay; moderate 2-5mm subangular blocky structure; moderately moist when sampled; clear to; |
| B3 | 0.95 to 1.05 | Dark grey (5Y41) moist; few 2-10% medium 5-15mm distinct brown mottles; heavy silty light clay; massive structure; wet when sampled; abrupt to; |
| C1 | 1.05 to 1.35 | Very dark grey (5Y31) moist; light silty light clay; massive structure; wet when sampled; clear to; |
| 2C1u | 1.35 to 1.65 | Dark greenish grey (10Y41) moist; sand; single grain structure; wet when sampled; clear to; |
| 3C2u | 1.65 to 2.00 | Grey (5Y51) moist; coarse sand; very few <2% angular quartz small pebbles 2-6mm; single grain structure; wet when sampled; abrupt to; |
| 3C3u | 2.00 to 2.40 | Grey (5Y51) moist; coarse sand; very few <2% angular charcoal small pebbles 2-6mm, few 2-10% angular other large pebbles 20-60mm; single grain structure; wet when sampled; clear to; |
| 4C4u | 2.40 to 2.60 | Greenish black (10Y2.51) moist; heavy silty light clay; few 2-10% angular other large pebbles 20-60mm; massive structure; wet when sampled; clear to; |
| 5C5u | 2.60 to 4.20 | Dark grey (5Y41) moist; clayey fine sand; very few <2% angular charcoal small pebbles 2-6mm, very few <2% angular charcoal medium pebbles 6-20mm; single grain structure; wet when sampled; gradual to; |
| 5C6u | 4.20 to 4.80 | Grey (5Y51) moist; fine sand; single grain structure; wet when sampled; clear to; |
| 6C7u | 4.80 to 5.90 | Greenish grey (10Y61) moist; coarse sand; single grain structure; wet when |
| 6C8u | 5.90 to 6.90 | Greenish grey (10Y51) moist; heavy clayey sand; single grain structure; clear to; |
| 6C9u | 6.90 to 8.30 | Greenish grey (10Y51) moist; clayey coarse sand; common 10-20% angular charcoal small pebbles 2-6mm; single grain structure; abrupt to; |
| 6C10u | 8.30 to 8.50 | Dark grey (N40) moist; loamy coarse sand; single grain structure; abrupt to; |
| 7C11u | 8.50 to 9.70 | Dark grey (5Y41) moist; clayey sand; single grain structure; abrupt to; |
| 8C12u | 9.70 to 11.6 | Grey (5Y51) moist; coarse sand; abundant 50-90% subangular tabular quartz small pebbles 2-6mm, very few <2% subangular tabular quartz medium pebbles 6-20mm, very few <2% subrounded tabular quartz large pebbles 20-60mm; single grain structure; sharp to; |
| 9D1 | 11.6 to 12.0 | Heavy clay; |

Project: SEA

Site: 3213

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

509606 mE
509500 mE

7042128 mN
7041940 mN

Described By: Johnston, Philip Leslie Woodford

Date: 14-Oct-2000

Field Tests:

| Depth | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.4 | 2.5 | |
| 0.30 | | | | | 5.0 | 3.3 | |
| 0.60 | | | | | 4.9 | 3.1 | |
| 0.80 | | | | | 4.8 | 2.4 | |
| 1.00 | | | | | 4.7 | 1.6 | |
| 1.25 | | | | | 5.1 | 1.3 | |
| 1.50 | | | | | 5.8 | 1.4 | |
| 1.75 | | | | | 5.9 | 1.2 | |
| 2.00 | | | | | 5.7 | 1.2 | |
| 2.25 | | | | | 5.7 | 1.2 | |
| 2.50 | | | | | 6.0 | 1.1 | |
| 2.75 | | | | | 6.9 | 1.4 | |
| 3.00 | | | | | 7.3 | 1.3 | |
| 3.25 | | | | | 7.1 | 1.2 | |
| 3.50 | | | | | 6.7 | 1.3 | |
| 3.75 | | | | | 6.9 | 1.3 | |
| 4.00 | | | | | 6.9 | 1.4 | |
| 4.25 | | | | | 6.8 | 1.5 | |
| 4.50 | | | | | 7.0 | 1.5 | |
| 4.75 | | | | | 6.9 | 1.4 | |
| 5.00 | | | | | 6.7 | 1.7 | |
| 5.50 | | | | | 7.0 | 1.7 | |
| 6.00 | | | | | 7.1 | 1.7 | |
| 6.50 | | | | | 7.1 | 1.8 | |
| 7.00 | | | | | 7.3 | 1.4 | |
| 7.50 | | | | | 7.4 | 1.3 | |
| 8.00 | | | | | 7.4 | 1.2 | |
| 8.50 | | | | | 7.3 | 1.3 | |
| 9.00 | | | | | 7.2 | 1.2 | |
| 9.50 | | | | | 6.9 | 1.4 | |
| 10.00 | | | | | 6.5 | 1.0 | |
| 10.50 | | | | | 6.2 | 1.1 | |
| 11.00 | | | | | 6.1 | 1.3 | |
| 11.50 | | | | | 6.4 | 1.1 | |
| 12.00 | | | | | 6.3 | 1.9 | |

Notes:

Project: SEA

Site: 3214

Soil Name: No record

Location: GDA 94

ZONE 56

513381 mE

7046338 mN

Location: AGD 84

ZONE 56

513275 mE

7046150 mN

Described By: Johnston, Philip Leslie Woodford

Date: 16-Oct-2000

Landscape:

Landform Pattern: alluvial plain

Element: No record

Classifications:

ASC: Aquic, PODOSOL

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| A11 | 0.00 to 0.04 | Grey (10YR51, 10YR51) moist; very few <2% fine <5mm distinct orange mottles; sandy loam; few 2-10% rounded quartz small pebbles 2-6mm; massive structure; moderately moist when sampled; clear to; |
| A12 | 0.04 to 0.15 | Very dark grey (2.5Y31) moist; common 10-20% fine <5mm prominent orange, common 10-20% medium 5-15mm faint brown mottles; sandy loam; massive 2-5mm granular structure; moderately moist when sampled; abrupt to; |
| B1 | 0.15 to 0.50 | Dark brown (7.5YR33) moist; few 2-10% coarse 15-30mm distinct brown mottles; clayey sand; single grain 2-5mm subangular blocky structure; weakly cemented continuous duripan; moderately moist when sampled; clear to; |
| B21 | 0.50 to 0.75 | Black (7.5YR2.51) moist; few 2-10% medium 5-15mm distinct brown mottles; loamy sand; few 2-10% subrounded other medium pebbles 6-20mm; massive structure; strongly cemented continuous massive ortstein; wet when sampled; clear to; |
| B22 | 0.75 to 0.90 | Black (7.5YR2.51) moist; many 20-50% medium 5-15mm distinct dark mottles; light loamy sand; few 2-10% other small pebbles 2-6mm; massive structure; wet when sampled; clear to; |
| B23 | 0.90 to 1.00 | Very dark brown (10YR22) moist; few 2-10% medium 5-15mm distinct dark mottles; heavy loamy sand; single grain structure; wet when sampled; sharp to; |
| 2B3 | 1.00 to 1.08 | Dark grey (2.5Y41) moist; few 2-10% fine <5mm distinct dark mottles; sandy loam; common 10-20% angular charcoal small pebbles 2-6mm; massive structure; wet when sampled; sharp to; |
| 3C1 | 1.08 to 2.40 | Very pale brown (10YR73) moist; sand; few 2-10% angular shell small pebbles 2-6mm; single grain structure; moderately moist when sampled; gradual to; |
| 4C2 | 2.40 to 2.70 | Redish black (2.5YR2.51) moist; loamy sand; massive structure; wet when sampled; diffuse to; |
| 5C3 | 2.70 to 3.10 | Very dark grey (10YR31) moist; clayey sand; very few <2% angular charcoal small pebbles 2-6mm, very few <2% angular charcoal medium pebbles 6-20mm; massive structure; wet when sampled; diffuse to; |
| 6C4 | 3.10 to 3.95 | Dark brown (7.5YR32) moist; clayey sand; massive structure; wet when sampled; diffuse to; |
| 7C5 | 3.95 to 4.55 | Dark greyish brown (10YR42) moist; clayey sand; massive structure; wet when sampled; clear to; |
| 8B2h | 4.55 to 4.81 | Black (5YR2.51) moist; loamy sand; massive structure; wet when sampled; |

Field Tests:

| Depth | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 5.7 | 4.6 | |
| 0.30 | | | | | 5.6 | 4.7 | |
| 0.60 | | | | | 5.6 | 4.3 | |
| 0.95 | | | | | 6.3 | 4.3 | |
| 1.05 | | | | | 6.2 | 0.7 | |
| 1.25 | | | | | 8.1 | 5.2 | |
| 1.50 | | | | | 8.4 | 5.5 | |
| 1.75 | | | | | 8.4 | 5.3 | |
| 2.00 | | | | | 8.3 | 5.5 | |
| 2.25 | | | | | 8.1 | 5.4 | |
| 2.50 | | | | | 6.9 | 5.3 | |
| 2.75 | | | | | 6.9 | 5.3 | |
| 3.00 | | | | | 6.4 | 5.2 | |
| 3.25 | | | | | 6.5 | 5.1 | |
| 3.50 | | | | | 6.7 | 5.1 | |
| 3.75 | | | | | 6.6 | 5.1 | |
| 4.00 | | | | | 6.7 | 5.2 | |
| 4.25 | | | | | 6.8 | 5.3 | |
| 4.50 | | | | | 6.8 | 4.8 | |
| 4.75 | | | | | 6.9 | 3.8 | |

Project: SEA Site: 3215

Soil Name: No record

Location: GDA 94 ZONE 56 513181 mE 7041038 mN
Location: AGD 84 ZONE 56 513075 mE 7040850 mN

Described By: Johnston, Philip Leslie Woodford **Date:** 16-Oct-2000

Landscape:

Geology: No record **Substrate Lithology:** No record
Landform Pattern: alluvial plain **Element:** No record
Runoff: No record **Permeability:** No record
Microrelief: No record **Microrelief Component:** No record
Drainage: No record **Slope:** No record
Surface Coarse Fragments: No record
Surface Condition: No record

Classifications:

ASC: Aquic, PODOSOL **PPF:** No record
GSG: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| A11 | 0.00 to 0.05 | Brown (10YR53) moist; clayey sand; wet when sampled; abrupt to; |
| B21 | 0.05 to 0.31 | Greyish brown (10YR52) moist; few 2-10% medium 5-15mm faint dark mottles; clayey sand; wet when sampled; clear to; |
| 2D1 | 0.31 to 0.50 | Light grey (5Y72) moist; many 20-50% very coarse >30mm prominent red mottles; coarse sandy medium clay; strongly cemented continuous concretionary red-brown hardpan; wet when sampled; |

Field Tests:

| Depth | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 7.1 | 4.9 | |
| 0.30 | | | | | 6.6 | 4.7 | |
| 0.50 | | | | | 5.4 | 2.3 | |

Notes:

Site Site near canal

Project: SEA **Site:** 3216

Soil Name: No record

Location: GDA 94 ZONE 56 509981 mE 7042178 mN
Location: AGD 84 ZONE 56 509875 mE 7041990 mN

Described By: Johnston, Philip Leslie Woodford

Date: 16-Oct-2000

Landscape:

Geology: No record

Landform Pattern: alluvial plain

Runoff: No record

Microrelief: No record

Drainage: No record

Surface Coarse Fragments: No record

Surface Condition: No record

Substrate Lithology: No record

Element: No record

Permeability: No record

Microrelief Component: No record

Slope: No record

Classifications:

ASC: Sulfidic, Fibric, ORGANOSOL

GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| A11 | 0.00 to 0.20 | Very dark brown (10YR22) moist; sapric silty light clay; wet when sampled; |
| A22 | 0.20 to 0.70 | Black (5Y2.51) moist; fibric silty clay loam; massive structure; few 2-10% fine <2mm ferruginous nodules; wet when sampled; |
| - | 0.70 to 1.60 | |
| 2C1u | 1.60 to 1.88 | Very dark grey (5Y31) moist; clayey sand; many 20-50% other small pebbles 2-6mm; wet when sampled; |
| 3D1 | 1.88 to 2.37 | Grey (N50) moist; common 10-20% very coarse >30mm prominent red, very few <2% fine <5mm distinct orange mottles; fine sandy medium heavy clay; wet when |

Field Tests:

| Depth | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.3 | 2.0 | |
| 0.30 | | | | | 5.3 | 0.7 | |
| 0.60 | | | | | 4.9 | 0.9 | |
| 1.75 | | | | | 4.9 | 1.0 | |
| 2.00 | | | | | 6.0 | 2.7 | |
| 2.25 | | | | | 6.1 | 4.8 | |

Notes:

Project: SEA

Site: 3217

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

509731 mE
509625 mE

7042403 mN
7042215 mN

Described By: Johnston, Philip Leslie Woodford

Date: 16-Oct-2000

10D1 11.8 to 12.1 Light greenish grey (10G71) moist; many 20-50% very coarse >30mm distinct orange, common 10-20% very coarse >30mm distinct pale mottles; sandy light medium clay; massive structure; wet when sampled;

Field Tests:

| Depth | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 3.9 | 2.1 | |
| 0.30 | | | | | 4.1 | 2.5 | |
| 0.60 | | | | | 4.0 | 2.0 | |
| 0.80 | | | | | 4.3 | 2.5 | |
| 1.00 | | | | | 4.3 | 2.4 | |
| 1.25 | | | | | 5.9 | 2.0 | |
| 1.50 | | | | | 4.1 | 1.2 | |
| 1.75 | | | | | 4.3 | 1.1 | |
| 2.00 | | | | | 4.9 | 0.6 | |
| 2.25 | | | | | 5.8 | 0.8 | |
| 2.50 | | | | | 5.9 | 0.8 | |
| 2.75 | | | | | 6.1 | 1.0 | |
| 3.00 | | | | | 6.2 | 1.0 | |
| 3.25 | | | | | 6.4 | 0.9 | |
| 3.50 | | | | | 7.0 | 1.0 | |
| 3.75 | | | | | 6.9 | 1.0 | |
| 4.00 | | | | | 6.9 | 1.1 | |
| 4.25 | | | | | 7.0 | 1.1 | |
| 4.50 | | | | | 7.0 | 1.2 | |
| 4.75 | | | | | 7.2 | 1.6 | |
| 5.00 | | | | | 7.3 | 1.3 | |
| 5.50 | | | | | 7.1 | 1.6 | |
| 6.00 | | | | | 7.8 | 1.6 | |
| 6.50 | | | | | 7.6 | 1.9 | |
| 7.00 | | | | | 7.3 | 1.2 | |
| 7.50 | | | | | 6.9 | 1.4 | |
| 8.00 | | | | | 7.4 | 1.5 | |
| 8.50 | | | | | 7.4 | 1.6 | |
| 9.00 | | | | | 6.8 | 1.9 | |
| 9.50 | | | | | 6.6 | 1.7 | |
| 10.00 | | | | | 6.8 | 1.8 | |
| 10.50 | | | | | 6.9 | 1.8 | |
| 11.00 | | | | | 7.1 | 1.6 | |
| 11.50 | | | | | 7.2 | 1.4 | |
| 12.00 | | | | | 6.9 | 8.2 | |

Notes:

Project: SEA

Site: 3218

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

509316 mE
509210 mE

7042618 mN
7042430 mN

Described By: Barry, Earl

Date: 18-Oct-2000

Landscape:

Geology: No record

Substrate Lithology: No record

Landform Pattern: alluvial plain

Element: swamp

Classifications:

ASC: Sulfidic, Redoxic, HYDROSOL

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| A11 | 0.00 to 0.20 | Black (10YR21) moist; sapric silty light medium clay; strong 2-5mm granular structure; moist when sampled; clear to; |
| B21 | 0.20 to 0.65 | Very dark grey (10YR31) moist; few 2-10% medium 5-15mm faint orange mottles; silty medium clay; massive structure; moist when sampled; clear to; |
| B22 | 0.65 to 0.90 | Dark grey (10YR41) moist; very few <2% medium 5-15mm prominent orange, few 2-10% medium 5-15mm distinct dark mottles; silty medium clay; massive structure; moist when sampled; gradual to; |
| B3 | 0.90 to 1.60 | Dark grey (2.5Y41) moist; silty medium clay; massive structure; moist when sampled; abrupt to; |
| 2C1 | 1.60 to 2.50 | Grey (2.5Y51) moist; clayey sand; single grain structure; wet when sampled; abrupt to; |
| 3C2 | 2.50 to 3.30 | Dark greyish brown (2.5Y42) moist; silty medium clay; few 2-10% charcoal small pebbles 2-6mm; massive structure; wet when sampled; gradual to; |
| 4C3 | 3.30 to 4.70 | Dark grey (2.5Y41) moist; clay loam, sandy; massive structure; wet when sampled; gradual to; |
| 4C4 | 4.70 to 6.10 | Grey (10YR51) moist; sandy clay loam; very few <2% subangular quartz small pebbles 2-6mm; massive structure; moist when sampled; |
| 4C5 | 6.10 to 6.60 | Grey (2.5Y61) moist; clay loam, sandy; massive structure; wet when sampled; gradual to; |
| 5C6 | 6.60 to 7.60 | Light grey (10YR71) moist; coarse sand; few 2-10% subangular quartz small pebbles 2-6mm; massive structure; clear to; |
| 6C7 | 7.60 to 8.10 | Grey (2.5Y61) moist; coarse sandy clay loam; common 10-20% subangular quartz small pebbles 2-6mm; massive structure; wet when sampled; clear to; |
| 7C8 | 8.10 to 8.50 | Light grey (2.5Y71) moist; sandy clay loam; massive structure; wet when sampled; |
| 8D1 | 8.50 to 9.69 | Grey (N50) moist; fine sandy light medium clay; massive structure; moist when sampled; clear to; |

Field Tests:

| Depth | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 3.9 | 2.4 | |
| 0.30 | | | | | 4.1 | 2.1 | |
| 0.60 | | | | | 4.2 | 2.0 | |
| 0.80 | | | | | 4.2 | 1.3 | |
| 1.00 | | | | | 5.3 | 2.4 | |
| 1.25 | | | | | 5.1 | 2.3 | |
| 1.50 | | | | | 5.5 | 2.2 | |
| 1.75 | | | | | 5.2 | 2.5 | |
| 2.00 | | | | | 5.3 | 1.7 | |
| 2.50 | | | | | 5.0 | 0.8 | |
| 3.00 | | | | | 5.6 | 1.4 | |
| 3.25 | | | | | 5.6 | 1.5 | |
| 3.75 | | | | | 5.4 | 2.2 | |
| 4.00 | | | | | 5.3 | 1.6 | |
| 4.50 | | | | | 5.5 | 2.0 | |
| 5.00 | | | | | 5.4 | 2.1 | |
| 5.50 | | | | | 4.4 | 2.5 | |
| 6.00 | | | | | 5.1 | 2.1 | |
| 6.50 | | | | | 5.2 | 3.5 | |
| 7.00 | | | | | 5.3 | 3.0 | |
| 7.50 | | | | | 5.8 | 2.8 | |
| 8.00 | | | | | 5.8 | 3.4 | |
| 8.50 | | | | | 5.4 | 3.3 | |
| 9.00 | | | | | 5.8 | 2.5 | |
| 9.50 | | | | | 5.7 | 2.7 | |

Project: SEA

Site: 3219

Soil Name: No record

Location: GDA 94

ZONE 56

509676 mE

7043063 mN

Location: AGD 84

ZONE 56

509570 mE

7042875 mN

Described By: Smith, CD (Doug)

Date: 18-Oct-2000

Landscape:

Geology: No record

Substrate Lithology: No record

Landform Pattern: No record

Element: No record

Runoff: No record

Permeability: No record

Microrelief: No record

Microrelief Component: No record

Drainage: No record

Slope: No record

Surface Coarse Fragments: No record

Surface Condition: No record

Classifications:

ASC: Sulfidic, Redoxic, HYDROSOL

GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| A1 | 0.00 to 0.10 | Very dark grey (10YR31) moist; light clay; moderate 2-5mm granular structure; |
| B2 | 0.10 to 0.60 | Dark grey (10YR41) moist; few 2-10% fine <5mm distinct orange mottles; silty light clay; massive structure; |
| 2C1 | 0.60 to 0.80 | Grey (10YR61) moist; sandy light clay; massive structure; |
| 3D1 | 0.80 to 1.15 | Light brownish grey (10YR62) moist; few 2-10% medium 5-15mm distinct orange mottles; sandy light medium clay; massive structure; |

Field Tests:

| Depth | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.1 | 1.5 | |
| 0.30 | | | | | 4.2 | 2.2 | |
| 0.60 | | | | | 4.4 | 2.3 | |
| 0.80 | | | | | 4.3 | 2.8 | |
| 1.00 | | | | | 4.1 | 2.7 | |

Notes:

Project: SEA

Site: 3220

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

509641 mE
509535 mE

7042763 mN
7042575 mN

Described By: Barry, Earl

Date: 17-Oct-2000

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: No record
Element: No record
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: Sulfidic, Redoxic, HYDROSOL

GSG: No record

PPF: No record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| A11 | 0.00 to 0.30 | Black (10YR21) moist; sapric silty light clay; massive structure; wet when sampled; clear to; |
| B21 | 0.30 to 0.65 | Dark grey (10YR41) moist; few 2-10% medium 5-15mm distinct dark mottles; sandy medium clay; massive structure; moist when sampled; clear to; |
| C1 | 0.65 to 1.00 | Dark greyish brown (2.5Y42) moist; clay loam, sandy; massive structure; wet when sampled; gradual to; |
| 2C1 | 1.00 to 1.60 | Very dark greyish brown (2.5Y32) moist; silty light clay; massive structure; wet when sampled; gradual to; |
| 3C1 | 1.60 to 2.20 | Black (5Y2.51) moist; silty medium clay; massive structure; wet when sampled; clear to; |
| 4C2 | 2.20 to 3.10 | Dark grey (5Y41) moist; clayey coarse sand; very few <2% subangular quartz small pebbles 2-6mm; single grain structure; wet when sampled; abrupt to; |
| 5C3u | 3.10 to 4.60 | Black (5Y2.51) moist; silty medium clay; few 2-10% other medium pebbles 6-20mm; massive structure; wet when sampled; abrupt to; |
| 6C4u | 4.60 to 5.00 | Dark grey (5Y41) moist; heavy sand; single grain structure; wet when sampled; clear to; |
| 7C5u | 5.00 to 6.60 | Black (10YR21) moist; loamy sand; massive structure; wet when sampled; abrupt |
| 8D1 | 6.60 to 7.00 | Grey (N60) moist; common 10-20% medium 5-15mm prominent yellow, very few <2% medium 5-15mm prominent red mottles; medium heavy clay; massive structure; moist when sampled; |

Field Tests:

| Depth | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.0 | 1.3 | |
| 0.30 | | | | | 5.0 | 1.5 | |
| 0.60 | | | | | 4.9 | 1.9 | |
| 0.80 | | | | | 5.1 | 1.6 | |
| 1.00 | | | | | 4.9 | 1.6 | |
| 1.25 | | | | | 4.9 | 0.7 | |
| 1.50 | | | | | 4.7 | 1.1 | |
| 1.75 | | | | | 4.3 | 0.8 | |
| 2.00 | | | | | 4.5 | 0.9 | |
| 2.25 | | | | | 4.4 | 0.9 | |
| 2.50 | | | | | 3.9 | 1.3 | |
| 2.75 | | | | | 4.4 | 1.1 | |
| 3.00 | | | | | 4.4 | 1.0 | |
| 3.25 | | | | | 4.2 | 0.9 | |
| 3.50 | | | | | 5.4 | 0.9 | |
| 3.75 | | | | | 5.8 | 0.9 | |
| 4.00 | | | | | 6.1 | 0.8 | |
| 4.25 | | | | | 6.1 | 0.7 | |
| 4.50 | | | | | 6.3 | 0.7 | |
| 4.75 | | | | | 6.1 | 1.3 | |
| 5.00 | | | | | 6.3 | 0.8 | |
| 5.50 | | | | | 6.3 | 0.9 | |
| 5.70 | | | | | 6.4 | 1.0 | |
| 6.75 | | | | | 6.8 | 3.8 | |
| 7.00 | | | | | 6.7 | 4.0 | |

Project: SEA **Site:** 3221

Soil Name: No record

Location: GDA 94 ZONE 56 509596 mE 7043148 mN
Location: AGD 84 ZONE 56 509490 mE 7042960 mN

Described By: Malcolm, D (Don)

Date: 20-Oct-2000

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: No record
Element: plain
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: Grey, KANDOSOL

GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| A1 | 0.00 to 0.10 | Very dark grey (10YR31) moist; very few <2% fine <5mm faint orange mottles; fine sandy loam; weak 2-5mm granular structure; |
| B21 | 0.10 to 0.60 | Dark grey (10YR41) moist; few 2-10% fine <5mm faint orange mottles; fine sandy loam; massive structure; |
| B22 | 0.60 to 0.70 | Greyish brown (10YR52) moist; very few <2% fine <5mm faint orange mottles; fine sandy loam; massive structure; |
| D1 | 0.70 to 1.10 | Grey (10YR61) moist; common 10-20% medium 5-15mm distinct orange mottles; medium heavy clay; massive structure; |

Field Tests:

| Depth | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.6 | 2.8 | |
| 0.30 | | | | | 4.6 | 2.8 | |
| 0.60 | | | | | 4.7 | 3.9 | |
| 0.80 | | | | | 4.7 | 3.3 | |
| 1.00 | | | | | 4.3 | 3.2 | |

Notes:

Project: SEA

Site: 3222

Soil Name: No record

Location: GDA 94 ZONE 56 509306 mE 7043163 mN
Location: AGD 84 ZONE 56 509200 mE 7042975 mN

Described By: Malcolm, D (Don)

Date: 20-Oct-2000

Landscape:

Geology: No record

Landform Pattern: alluvial plain

Runoff: No record

Microrelief: No record

Drainage: No record

Surface Coarse Fragments: No record

Surface Condition: No record

Substrate Lithology: No record

Element: plain

Permeability: No record

Microrelief Component: No record

Slope: No record

Classifications:

ASC: Grey, KANDOSOL

GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| A1 | 0.00 to 0.10 | Very dark grey (10YR31) moist; fine sandy loam; massive structure; |
| B21 | 0.10 to 0.60 | Dark grey (10YR41) moist; few 2-10% fine <5mm faint orange mottles; fine sandy clay loam; massive structure; |
| B22 | 0.60 to 0.70 | Greyish brown (10YR52) moist; common 10-20% fine <5mm distinct orange mottles; fine sandy light clay; massive structure; |
| 2C1 | 0.70 to 1.10 | Light grey (10YR71) moist; sand; single grain structure; |
| 3D1 | 1.10 to 1.60 | Light brownish grey (10YR62) moist; few 2-10% medium 5-15mm distinct orange mottles; sandy light medium clay; |
| 3D2 | 1.60 to 2.37 | Grey (10YR61) moist; few 2-10% medium 5-15mm distinct orange mottles; sandy medium heavy clay; massive structure; |

Field Tests:

| Depth | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.5 | 2.6 | |
| 0.30 | | | | | 4.6 | 3.3 | |
| 0.60 | | | | | 4.7 | 3.3 | |
| 0.80 | | | | | 4.5 | 3.8 | |
| 1.00 | | | | | 4.6 | 4.0 | |
| 1.25 | | | | | 4.4 | 3.3 | |
| 1.50 | | | | | 4.4 | 3.3 | |
| 1.75 | | | | | 4.6 | 3.3 | |
| 2.00 | | | | | 4.5 | 3.0 | |
| 2.25 | | | | | 4.4 | 3.1 | |

Notes:

Project: SEA

Site: 3223

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56 509086 mE
ZONE 56 508980 mE

7042563 mN
7042375 mN

Described By: Malcolm, D (Don)

Date: 20-Oct-2000

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: No record
Element: plain
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: Grey, DERMOSOL
GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| A1 | 0.00 to 0.10 | Very dark grey (10YR31) moist; light clay; moderate 2-5mm granular structure; |
| B21 | 0.10 to 0.60 | Dark grey (10YR41) moist; common 10-20% medium 5-15mm distinct orange mottles; light medium clay; moderate 2-5mm subangular blocky structure; |
| B22 | 0.60 to 1.10 | Grey (10YR61) moist; common 10-20% medium 5-15mm distinct orange mottles; medium clay; massive structure; |
| 2B2 | 1.10 to 1.50 | Greyish brown (10YR52) moist; few 2-10% medium 5-15mm distinct orange mottles; clayey sand; massive structure; |
| 3C1 | 1.50 to 2.10 | Grey (10YR51) moist; sandy medium clay; massive structure; |
| 4C2 | 2.10 to 2.50 | Greyish brown (2.5Y52) moist; sandy light clay; massive structure; |
| 5C3 | 2.50 to 3.50 | Grey (2.5Y51) moist; coarse sand; single grain structure; |
| 6C4 | 3.50 to 3.70 | Dark grey (2.5Y41) moist; fine sandy light clay; massive structure; |
| 7C5 | 3.70 to 4.50 | Dark greyish brown (2.5Y42) moist; fine sandy loam; massive structure; |
| 8C6 | 4.50 to 4.80 | Grey (5Y51) moist; sandy light clay; massive structure; |
| 9C7 | 4.80 to 5.80 | Light brownish grey (2.5Y62) moist; sand; single grain structure; |
| 10C8 | 5.80 to 6.00 | Grey (2.5Y51) moist; coarse sand; single grain structure; |

Field Tests:

| Depth | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.3 | 2.4 | |
| 0.30 | | | | | 4.8 | 3.3 | |
| 0.60 | | | | | 4.6 | 2.7 | |
| 0.80 | | | | | 4.6 | 2.8 | |
| 1.00 | | | | | 4.6 | 2.6 | |
| 1.25 | | | | | 4.3 | 2.7 | |
| 1.50 | | | | | 4.2 | 2.3 | |
| 1.75 | | | | | 5.3 | 2.9 | |
| 2.00 | | | | | 4.5 | 2.5 | |
| 2.25 | | | | | 4.3 | 3.2 | |
| 2.50 | | | | | 6.2 | 3.1 | |
| 2.75 | | | | | 6.1 | 2.7 | |
| 3.00 | | | | | 6.2 | 2.8 | |
| 3.25 | | | | | 5.9 | 2.5 | |
| 3.50 | | | | | 4.7 | 1.7 | |
| 3.75 | | | | | 5.9 | 0.9 | |
| 4.00 | | | | | 6.0 | 3.2 | |
| 4.25 | | | | | 5.9 | 2.8 | |
| 4.50 | | | | | 5.7 | 3.0 | |
| 4.75 | | | | | 6.3 | 3.1 | |
| 5.00 | | | | | 5.9 | 3.3 | |
| 5.50 | | | | | 5.6 | 2.4 | |
| 6.00 | | | | | 6.0 | 3.1 | |

Notes:

Project: SEA **Site:** 3224

Soil Name: No record

Location: GDA 94 ZONE 56 508725 mE 7053642 mN
Location: AGD 84 ZONE 56 508619 mE 7053454 mN

Described By: Johnston, Philip Leslie Woodford

Date: 01-Mar-2001

Landscape:

Geology: No record

Landform Pattern: beach ridge plain

Runoff: No record

Microrelief: No record

Drainage: No record

Surface Coarse Fragments: No record

Surface Condition: No record

Substrate Lithology: No record

Element: beach ridge

Permeability: No record

Microrelief Component: No record

Slope: No record

Classifications:

ASC: Aquic, PODOSOL

GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| A11 | 0.00 to 0.20 | Black (10YR21) moist; sapric loamy fine sand; massive structure; moderately moist when sampled; clear to; |
| A12 | 0.20 to 0.60 | Black (10YR21) moist; clayey fine sand; massive structure; moderately moist when sampled; clear to; |
| A2e | 0.60 to 0.75 | Light grey (2.5Y72) moist; fine sand; single grain structure; moderately moist when sampled; abrupt to; |
| 2C1 | 0.75 to 0.95 | Dark grey (2.5Y41) moist; clayey fine sand; massive structure; wet when sampled; gradual to; |
| 2C2 | 0.95 to 1.45 | Dark greyish brown (2.5Y42) moist; clayey fine sand; massive structure; wet when sampled; gradual to; |
| 3C3 | 1.45 to 2.40 | Olive grey (5Y52) moist; sand; single grain structure; wet when sampled; gradual |
| 3C4 | 2.40 to 4.25 | Grey (2.5Y61) moist; few 2-10% coarse 15-30mm faint brown mottles; sand; very few <2% charcoal small pebbles 2-6mm; single grain structure; wet when sampled; clear to; |
| 4B2h | 4.25 to 6.00 | Black (10YR21) moist; loamy sand; massive structure; |

Field Tests:

| Depth | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.4 | 2.8 | |
| 0.30 | | | | | 4.5 | 3.3 | |
| 0.65 | | | | | 4.8 | 5.2 | |
| 0.80 | | | | | 3.3 | 1.5 | |
| 1.00 | | | | | 3.0 | 1.9 | |
| 1.25 | | | | | 4.0 | 1.9 | |
| 1.50 | | | | | 4.7 | 1.9 | |
| 1.75 | | | | | 4.4 | 2.1 | |
| 2.00 | | | | | 4.5 | 1.9 | |
| 2.25 | | | | | 4.6 | 1.8 | |
| 2.50 | | | | | 4.8 | 1.8 | |
| 2.75 | | | | | 4.7 | 1.8 | |
| 3.00 | | | | | 4.6 | 1.8 | |
| 3.25 | | | | | 4.8 | 1.9 | |
| 3.50 | | | | | 5.3 | 2.0 | |
| 3.75 | | | | | 5.2 | 2.0 | |
| 4.00 | | | | | 5.1 | 4.5 | |
| 4.25 | | | | | 5.1 | 2.0 | |
| 4.50 | | | | | 5.6 | 2.9 | |
| 4.75 | | | | | 5.5 | 2.7 | |
| 5.00 | | | | | 5.2 | 3.1 | |
| 5.50 | | | | | 5.6 | 2.9 | |
| 6.00 | | | | | 5.5 | 4.1 | |

Notes:

Location Near Maroochy River

Project: SEA**Site: 3225**

| | | | | |
|------------------|--------|---------|-----------|------------|
| Location: | GDA 94 | ZONE 56 | 506438 mE | 7055135 mN |
| Location: | AGD 84 | ZONE 56 | 506332 mE | 7054947 mN |

Described By: Johnston, Philip Leslie Woodford**Date:** 03-Mar-2001**Landscape:****Landform Pattern:** alluvial plain **Element:** plain**Classifications:****ASC:** Redoxic, HYDROSOL**Profile Morphology:**

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| A1 | 0.00 to 0.45 | Very dark grey (10YR31) moist; sandy clay loam; massive structure; moderately moist when sampled; gradual to; |
| B21 | 0.45 to 0.70 | Grey (2.5Y51) moist; common 10-20% medium 5-15mm distinct orange, very few <2% medium 5-15mm distinct dark mottles; clay loam, sandy; massive structure; moderately moist when sampled; clear to; |
| 2B21 | 0.70 to 1.05 | Light grey (2.5Y71) moist; few 2-10% medium 5-15mm distinct orange mottles; sandy loam; massive structure; wet when sampled; clear to; |
| 2B22 | 1.05 to 1.80 | Light brownish grey (2.5Y62) moist; common 10-20% medium 5-15mm distinct brown, few 2-10% medium 5-15mm distinct dark mottles; clayey sand; massive structure; wet when sampled; sharp to; |
| 3C1 | 1.80 to 2.80 | Grey (5Y51) moist; clayey sand; few 2-10% angular shell medium pebbles 6-20mm; massive structure; wet when sampled; gradual to; |
| 4C2 | 2.80 to 3.50 | Dark grey (5Y41) moist; clay loam, sandy; very few <2% angular shell small pebbles 2-6mm, few 2-10% angular shell small pebbles 2-6mm, few 2-10% angular charcoal small pebbles 2-6mm; massive structure; wet when sampled; |
| 5C3 | 3.50 to 5.30 | Grey (2.5Y61) moist; clayey sand; very few <2% angular shell small pebbles 2-6mm; massive structure; few 2-10% medium 2-6mm organic (humified) fragments; wet when sampled; |
| 6C4 | 5.30 to 5.50 | Grey (2.5Y61) moist; clayey coarse sand; very few <2% angular shell small pebbles 2-6mm; massive structure; wet when sampled; |
| 7C5 | 5.50 to 6.00 | Greyish brown (2.5Y52) moist; clayey fine sand; massive structure; wet when sampled; |
| 8D1 | 6.00 to 7.50 | Light olive grey (5Y62) moist; fine sand; very few <2% angular charcoal small pebbles 2-6mm; massive structure; wet when sampled; |
| 9D2 | 7.50 to 8.27 | Light grey (N70) moist; sandy light clay; massive structure; wet when sampled; |

Field Tests:

| Depth | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 5.2 | 3.7 | |
| 0.30 | | | | | 6.4 | 4.8 | |
| 0.60 | | | | | 6.5 | 5.6 | |
| 0.80 | | | | | 6.6 | 6.8 | |
| 1.00 | | | | | 6.6 | 6.0 | |
| 1.10 | | | | | 6.8 | 5.9 | |
| 1.25 | | | | | 6.7 | 5.6 | |
| 1.50 | | | | | 6.7 | 5.6 | |
| 1.75 | | | | | 7.1 | 6.2 | |
| 2.00 | | | | | 7.0 | 2.3 | |
| 2.25 | | | | | 7.1 | 2.3 | |
| 2.50 | | | | | 7.0 | 3.3 | |
| 2.75 | | | | | 7.0 | 2.1 | |
| 3.00 | | | | | 7.1 | 2.8 | |
| 3.50 | | | | | 7.3 | 3.1 | |
| 4.00 | | | | | 7.0 | 2.2 | |
| 4.50 | | | | | 7.2 | 2.0 | |
| 4.75 | | | | | 7.2 | 2.2 | |
| 5.00 | | | | | 7.3 | 5.6 | |
| 5.25 | | | | | 5.2 | 6.9 | |
| 5.50 | | | | | 7.1 | 1.3 | |
| 6.00 | | | | | 7.0 | 1.9 | |
| 6.50 | | | | | 6.8 | 2.3 | |
| 7.00 | | | | | 6.8 | 2.1 | |
| 7.50 | | | | | 6.6 | 5.0 | |
| 8.00 | | | | | 6.9 | 3.4 | |
| 8.25 | | | | | 6.8 | 5.2 | |

Project: SEA

Site: 3226

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

509806 mE
509700 mE

7056963 mN
7056775 mN

Described By: Adams, J (Justin)

Date: 27-Feb-2001

Landscape:

Geology: No record
Landform Pattern: No record
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: No record
Element: No record
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: Aquic, PODOSOL
GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| A11 | 0.00 to 0.35 | Greyish brown (10YR52) moist; sand; single grain structure; |
| A12 | 0.35 to 0.50 | Brown (10YR53) moist; sand; single grain structure; |
| B21 | 0.50 to 0.65 | Very dark grey (10YR31) moist; sandy light clay; weak 2-5mm subangular blocky structure; |
| B22 | 0.65 to 1.00 | Light brownish grey (10YR62) moist; few 2-10% fine <5mm distinct orange mottles; sand; single grain structure; |
| 2A2e | 1.00 to 1.25 | Light grey (10YR71) moist; sand; |
| 2B2hs | 1.25 to 2.10 | Light grey (10YR71) moist; sand; moderately cemented continuous massive organic pan; |

Field Tests:

| Depth | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 5.3 | 3.8 | |
| 0.30 | | | | | 6.5 | 4.9 | |
| 0.60 | | | | | 5.8 | 4.9 | |
| 0.80 | | | | | 5.3 | 3.5 | |
| 1.00 | | | | | 5.9 | 4.6 | |
| 1.25 | | | | | 5.7 | 2.7 | |
| 1.50 | | | | | 6.3 | 4.2 | |
| 1.75 | | | | | 6.5 | 4.1 | |
| 2.00 | | | | | 6.3 | 3.9 | |

Notes:

Project: SEA

Site: 3227

Soil Name: No record

Location: GDA 94 ZONE 56 509831 mE 7056888 mN
Location: AGD 84 ZONE 56 509725 mE 7056700 mN

Described By: Adams, J (Justin)

Date: 28-Feb-2001

Landscape:

Geology: No record

Landform Pattern: beach ridge plain

Runoff: No record

Microrelief: No record

Drainage: No record

Surface Coarse Fragments: No record

Surface Condition: No record

Substrate Lithology: No record

Element: beach ridge

Permeability: No record

Microrelief Component: No record

Slope: No record

Classifications:

ASC: Aquic, PODOSOL

GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| A3 | 0.00 to 0.30 | Greyish brown (10YR52) moist; sand; single grain structure; |
| B21 | 0.30 to 0.40 | Pale brown (10YR63) moist; very few <2% fine <5mm distinct orange mottles; sand; single grain structure; |
| C1 | 0.40 to 0.60 | Grey (2.5Y51) moist; coarse sand; single grain structure; |
| C2 | 0.60 to 1.20 | Grey (2.5Y51) moist; very few <2% fine <5mm distinct orange mottles; coarse |
| C3 | 1.20 to 1.40 | Greyish brown (10YR52) moist; sand; |
| C4 | 1.40 to 1.70 | Dark grey (2.5Y41) moist; few 2-10% medium 5-15mm distinct orange mottles; sandy light clay; |
| C5 | 1.70 to 1.95 | Dark grey (5Y41) moist; clay loam, sandy; common 10-20% angular shell medium pebbles 6-20mm; |
| 2B2hs | 1.95 to 2.70 | Black (10YR21) moist; sand; moderately cemented continuous massive organic pan; |

Field Tests:

| Depth | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 5.0 | 3.1 | |
| 0.30 | | | | | 4.9 | 2.6 | |
| 0.60 | | | | | 4.6 | 3.9 | |
| 1.25 | | | | | 5.5 | 4.0 | |
| 1.50 | | | | | 6.3 | 4.1 | |
| 1.75 | | | | | 6.3 | 4.1 | |
| 2.00 | | | | | 6.6 | 1.0 | |
| 2.25 | | | | | 6.8 | 1.1 | |
| 2.50 | | | | | 6.8 | 5.1 | |

Notes:

Project: SEA

Site: 3228

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

509807 mE
509701 mE

7054568 mN
7054380 mN

Described By: Adams, J (Justin)

Date: 28-Feb-2001

Landscape:

Geology: No record
Landform Pattern: beach ridge plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: No record
Element: swale
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: Sulfidic, Redoxic, HYDROSOL

GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| Ap | 0.00 to 0.60 | Clay loam; |
| B/C | 0.60 to 1.20 | Clayey sand; |
| C1 | 1.20 to 1.30 | Very dark greyish brown (2.5Y32) moist; clayey sand; massive structure; |
| 2A1 | 1.30 to 1.40 | Very dark grey (2.5Y31) moist; fibric sandy clay loam; massive structure; few 2-10% medium 2-6mm organic (humified) fragments; |
| 2C1 | 1.40 to 1.50 | Grey (10YR51) moist; sand; single grain structure; |
| 2C2 | 1.50 to 3.25 | Very dark grey (5Y31) moist; silty light clay; massive structure; |
| 3C3 | 3.25 to 6.50 | Grey (10YR61) moist; sand; single grain structure; |
| 3C4 | 6.50 to 7.80 | Grey (10YR51) moist; sand; few 2-10% medium 2-6mm organic (humified) |
| 3C5 | 7.80 to 8.70 | Grey (10YR51) moist; sand; |
| 4C6 | 8.70 to | Dark grey (5Y41) moist; clay loam, sandy; very few <2% angular shell small pebbles 2-6mm; massive structure; |
| 4C7 | 10.6 to 11.3 | Dark grey (2.5Y41) moist; loamy sand; single grain structure; gradual to; |
| 5C8 | 11.3 to 12.1 | Very dark grey (5Y31) moist; heavy sandy clay loam; very few <2% angular shell small pebbles 2-6mm, common 10-20% angular shell medium pebbles 6-20mm; massive structure; |
| 5C9 | 12.1 to 12.9 | Very dark grey (5Y31) moist; silty light clay; very few <2% angular shell small pebbles 2-6mm; massive structure; |
| 5C10 | 12.9 to 13.4 | Very dark grey (5Y31) moist; sandy clay loam; very few <2% angular shell small pebbles 2-6mm; single grain structure; |
| 5C11 | 13.4 to 14.2 | Very dark grey (5Y31) moist; fine sandy light clay; few 2-10% angular shell medium pebbles 6-20mm; few 2-10% fine <2mm organic (humified) fragments; |
| 5C12 | 14.2 to 14.6 | Very dark grey (5Y31) moist; light clay; few 2-10% medium 2-6mm organic (humified) fragments; |
| 6D13 | 14.6 to 15.4 | Dark grey (N40) moist; fine sandy light medium clay; |
| 7C14 | 15.4 to 15.7 | Dark grey (5Y41) moist; sand; |

Project: SEA

Site: 3228

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

509807 mE
509701 mE

7054568 mN
7054380 mN

Described By: Adams, J (Justin)

Date: 28-Feb-2001

Field Tests:

| Depth | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.3 | 2.5 | |
| 0.30 | | | | | 4.5 | 1.8 | |
| 0.60 | | | | | 5.5 | 2.9 | |
| 1.25 | | | | | 6.1 | 1.3 | |
| 1.50 | | | | | 6.5 | 1.8 | |
| 1.75 | | | | | 7.1 | 1.0 | |
| 2.00 | | | | | 6.9 | 1.5 | |
| 2.25 | | | | | 7.3 | 1.3 | |
| 2.50 | | | | | 6.6 | 1.9 | |
| 2.75 | | | | | 6.6 | 1.5 | |
| 3.00 | | | | | 6.7 | 1.3 | |
| 3.25 | | | | | 6.4 | 1.6 | |
| 3.50 | | | | | 6.2 | 1.6 | |
| 3.75 | | | | | 6.0 | 1.4 | |
| 4.00 | | | | | 5.7 | 1.3 | |
| 4.50 | | | | | 5.6 | 1.3 | |
| 5.00 | | | | | 5.7 | 2.0 | |
| 5.50 | | | | | 6.0 | 2.2 | |
| 6.00 | | | | | 6.2 | 2.1 | |
| 6.50 | | | | | 6.7 | 1.8 | |
| 6.75 | | | | | 6.6 | 1.1 | |
| 7.00 | | | | | 7.2 | 1.5 | |
| 7.50 | | | | | 7.2 | 1.6 | |
| 8.00 | | | | | 7.2 | 4.1 | |
| 8.50 | | | | | 7.0 | 5.4 | |
| 9.00 | | | | | 7.7 | 5.4 | |
| 9.50 | | | | | 8.1 | 5.4 | |
| 10.00 | | | | | 8.0 | 5.6 | |
| 10.50 | | | | | 8.0 | 5.1 | |
| 11.00 | | | | | 8.0 | 1.9 | |
| 11.50 | | | | | 8.1 | 5.6 | |
| 12.00 | | | | | 7.9 | 6.8 | |
| 12.50 | | | | | 7.8 | 1.9 | |
| 13.00 | | | | | 7.8 | 1.9 | |
| 13.50 | | | | | 7.5 | 1.8 | |
| 14.00 | | | | | 8.0 | 1.4 | |
| 14.50 | | | | | 8.0 | 1.4 | |
| 15.00 | | | | | 8.3 | 1.8 | |
| 15.50 | | | | | 7.7 | 1.8 | |

Project: SEA**Site: 3229**Location: GDA 94
Location: AGD 84ZONE 56
ZONE 56506603 mE
506497 mE7055651 mN
7055463 mN

Described By: Adams, J (Justin)

Date: 27-Mar-2001

Landscape:

Landform Pattern: alluvial plain

Element: plain

Classifications:

ASC: Sulfidic, Oxyaquic, HYDROSOL

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| A1 | 0.00 to 0.15 | Very dark grey (10YR31) moist; light clay; weak 2-5mm granular structure; moderately moist when sampled; |
| B21 | 0.15 to 0.50 | Dark grey (10YR41) moist; few 2-10% medium 5-15mm distinct orange mottles; light medium clay; massive structure; moderately moist when sampled; |
| B22 | 0.50 to 0.90 | Greyish brown (10YR52) moist; few 2-10% medium 5-15mm distinct orange mottles; sand; single grain structure; moderately moist when sampled; |
| B23 | 0.90 to 1.40 | Grey (7.5YR51) moist; few 2-10% medium 5-15mm distinct orange mottles; heavy sandy clay loam; single grain structure; moist when sampled; |
| 2C1 | 1.40 to 2.00 | Light brownish grey (2.5Y62) moist; sand; very few <2% medium 2-6mm aluminous; wet when sampled; |
| 2C2 | 2.00 to 3.10 | Grey (2.5Y51) moist; clayey sand; very few <2% medium 2-6mm aluminous; wet when sampled; |
| 2C3 | 3.10 to 3.60 | Grey (2.5Y61) moist; sand; wet when sampled; |
| 2C4 | 3.60 to 4.30 | Dark grey (2.5Y41) moist; sandy loam; wet when sampled; |
| 2C5 | 4.30 to 4.60 | Grey (2.5Y61) moist; sand; wet when sampled; |
| 3C6 | 4.60 to 5.40 | Grey (2.5Y61, 10YR61) moist; sandy loam; wet when sampled; |
| 3C7 | 5.40 to 5.80 | Grey (2.5Y51) moist; sandy clay loam; wet when sampled; |
| 3C8 | 5.80 to 6.00 | Dark grey (2.5Y41) moist; heavy sandy clay loam; wet when sampled; |
| 4C9 | 6.00 to 6.20 | Grey (10YR61) moist; sand; wet when sampled; |
| 5C10 | 6.20 to 6.50 | Very dark grey (5Y31) moist; silty clay loam; very few <2% angular shell small pebbles 2-6mm; wet when sampled; |
| 6B2hs | 6.50 to 7.20 | Black (10YR21) moist; loamy sand; massive structure; moderately cemented continuous massive organic pan; wet when sampled; |

Field Tests:

| Depth | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.4 | 2.8 | |
| 0.30 | | | | | 4.4 | 3.6 | |
| 0.60 | | | | | 4.7 | 4.5 | |
| 0.80 | | | | | 4.6 | 4.9 | |
| 1.00 | | | | | 4.5 | 3.9 | |
| 1.25 | | | | | 4.5 | 4.1 | |
| 1.50 | | | | | 4.9 | 2.8 | |
| 1.75 | | | | | 5.2 | 2.6 | |
| 2.00 | | | | | 5.0 | 2.1 | |
| 2.25 | | | | | 5.0 | 2.1 | |
| 2.50 | | | | | 4.7 | 2.0 | |
| 2.75 | | | | | 5.0 | 2.1 | |
| 3.00 | | | | | 4.7 | 2.1 | |
| 3.25 | | | | | 4.8 | 1.9 | |
| 3.50 | | | | | 4.8 | 2.2 | |
| 3.75 | | | | | 5.6 | 1.9 | |
| 4.00 | | | | | 6.1 | 2.0 | |
| 4.25 | | | | | 6.3 | 1.9 | |
| 4.50 | | | | | 6.5 | 2.1 | |
| 4.75 | | | | | 7.1 | 5.9 | |
| 5.00 | | | | | 7.2 | 1.9 | |
| 5.25 | | | | | 6.7 | 1.9 | |
| 5.50 | | | | | 6.7 | 2.1 | |
| 5.75 | | | | | 6.8 | 2.1 | |
| 6.00 | | | | | 7.4 | 2.3 | |
| 6.25 | | | | | 5.4 | 2.4 | |
| 6.50 | | | | | 6.4 | 3.5 | |
| 7.00 | | | | | 6.7 | 4.9 | |

Project: SEA **Site:** 3230

Soil Name: No record

Location: GDA 94 **ZONE** 56 506746 mE 7054196 mN
Location: AGD 84 **ZONE** 56 506640 mE 7054008 mN

Described By: Adams, J (Justin)

Date: 28-Mar-2001

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: No record
Element: plain
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: Sulfidic, Oxyaquic, HYDROSOL

GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| A1 | 0.00 to 0.10 | Very dark grey (10YR31) moist; silty clay loam; moderate 2-5mm granular |
| A32 | 0.10 to 0.70 | Very dark grey (10YR31) moist; fine sandy light clay; moderate 2-5mm granular structure; gradual to; |
| 2C1 | 0.70 to 1.10 | Light grey (10YR71) moist; sand; single grain structure; |
| 2C2 | 1.10 to 1.55 | Greyish brown (10YR52) moist; sand; single grain structure; |
| 2C3 | 1.55 to 2.60 | Grey (2.5Y51) moist; fine sandy clay loam; massive structure; |
| 3A2e | 2.60 to 3.30 | Light grey (10YR71) moist; sand; single grain structure; |
| 3B2hs | 3.30 to 3.90 | Black (10YR21) moist; loamy sand; massive structure; moderately cemented continuous massive organic pan; |
| 3B22hs | 3.90 to 4.40 | Olive brown (2.5Y44) moist; sand; single grain structure; |
| 4D1 | 4.40 to 4.80 | Greenish grey (5GY51) moist; medium heavy clay; massive structure; |

Field Tests:

| Depth | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.5 | 2.1 | |
| 0.30 | | | | | 4.5 | 2.7 | |
| 0.60 | | | | | 5.0 | 2.1 | |
| 0.80 | | | | | 6.1 | 1.9 | |
| 1.00 | | | | | 6.6 | 2.6 | |
| 1.25 | | | | | 6.6 | 2.6 | |
| 1.50 | | | | | 6.6 | 1.6 | |
| 1.75 | | | | | 6.4 | 1.6 | |
| 2.00 | | | | | 6.4 | 1.6 | |
| 2.25 | | | | | 6.5 | 1.6 | |
| 2.50 | | | | | 6.3 | 1.7 | |
| 2.75 | | | | | 6.2 | 2.0 | |
| 3.00 | | | | | 6.2 | 1.9 | |
| 3.25 | | | | | 6.3 | 2.1 | |
| 3.50 | | | | | 6.6 | 3.6 | |
| 3.75 | | | | | 6.0 | 3.2 | |
| 4.00 | | | | | 5.8 | 3.0 | |
| 4.25 | | | | | 5.5 | 4.3 | |
| 4.50 | | | | | 6.2 | 4.4 | |
| 4.75 | | | | | 6.4 | 5.1 | |

Notes:

Project: SEA **Site:** 3231

Soil Name: No record

Location: GDA 94 **ZONE** 56 **506686 mE** **7053654 mN**
Location: AGD 84 **ZONE** 56 **506580 mE** **7053466 mN**

Described By: Adams, J (Justin)

Date: 28-Mar-2001

Landscape:

Geology: No record

Landform Pattern: alluvial plain

Runoff: No record

Microrelief: No record

Drainage: No record

Surface Coarse Fragments: No record

Surface Condition: No record

Substrate Lithology: No record

Element: plain

Permeability: No record

Microrelief Component: No record

Slope: No record

Classifications:

ASC: Sulfidic, Oxyaquic, HYDROSOL

GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| | 0.00 to 0.50 | |
| A11 | 0.50 to 0.60 | Dark greyish brown (10YR42) moist; sand; |
| A12 | 0.60 to 0.70 | Very pale brown (10YR74) moist; sand; |
| A13 | 0.70 to 0.90 | Greyish brown (10YR52) moist; sand; |
| B21 | 0.90 to 1.20 | Brown (10YR53) moist; few 2-10% fine <5mm distinct orange mottles; sand; |
| 2C1 | 1.20 to 1.75 | Greyish brown (10YR52) moist; clayey sand; single grain structure; |
| 3C2 | 1.75 to 2.10 | Grey (10YR51) moist; sand; |
| 3C3 | 2.10 to 2.90 | Grey (10YR51) moist; sand; |
| 4B2hs | 2.90 to 3.40 | Black (10YR21) moist; loamy sand; moderately cemented continuous massive organic pan; |
| 5D1 | 3.40 to 3.50 | Dark grey (10YR41) moist; light medium clay; |
| 5D2 | 3.50 to 3.60 | Olive grey (5Y52) moist; light medium clay; |

Field Tests:

| Depth | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.1 | 2.6 | |
| 0.30 | | | | | 4.8 | 3.1 | |
| 0.60 | | | | | 5.2 | 4.9 | |
| 0.80 | | | | | 5.1 | 4.0 | |
| 1.00 | | | | | 4.9 | 3.8 | |
| 1.25 | | | | | 5.2 | 4.2 | |
| 1.50 | | | | | 5.4 | 5.0 | |
| 1.75 | | | | | 5.8 | 2.0 | |
| 2.00 | | | | | 6.0 | 1.7 | |
| 2.25 | | | | | 5.9 | 2.0 | |
| 2.50 | | | | | 4.9 | 2.1 | |
| 2.75 | | | | | 5.7 | 2.0 | |
| 3.00 | | | | | 6.1 | 1.6 | |
| 3.25 | | | | | 6.2 | 4.1 | |
| 3.50 | | | | | 6.5 | 5.9 | |

Notes:

Project: SEA

Site: 3232

Soil Name: No record

Location: GDA 94 ZONE 56 508450 mE 7053004 mN
Location: AGD 84 ZONE 56 508344 mE 7052816 mN

Described By: Adams, J (Justin)

Date: 29-Mar-2001

Landscape:

Geology: No record

Substrate Lithology: No record

Landform Pattern: No record

Element: No record

Runoff: No record

Permeability: No record

Microrelief: No record

Microrelief Component: No record

Drainage: No record

Slope: No record

Surface Coarse Fragments: No record

Surface Condition: No record

Classifications:

ASC: Sulfidic, Oxyaquic, HYDROSOL

GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| A11 | 0.35 to 0.55 | Very dark greyish brown (10YR32) moist; sand; single grain structure; |
| A12 | 0.55 to 0.75 | Brown (10YR43) moist; few 2-10% fine <5mm distinct orange mottles; sand; single grain structure; |
| A2e | 0.75 to 1.20 | Light grey (10YR72) moist; sand; single grain structure; |
| 2C1 | 1.20 to 1.45 | Brown (10YR53) moist; sand; very few <2% angular shell small pebbles 2-6mm; single grain structure; |
| 2C2 | 1.45 to 1.95 | Grey (10YR51) moist; sand; very few <2% angular shell small pebbles 2-6mm; single grain structure; |
| 3B2h | 1.95 to 2.40 | Very dark grey (10YR31) moist; loamy sand; massive structure; moderately cemented continuous massive organic pan; |

Field Tests:

| Depth | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-------|-----------|------------|------|------|------|------|--|
| 0.60 | | | | | 6.5 | 6.0 | |
| 0.80 | | | | | 6.8 | 6.1 | |
| 1.00 | | | | | 7.1 | 6.1 | |
| 1.25 | | | | | 6.8 | 5.9 | |
| 1.50 | | | | | 6.8 | 1.9 | |
| 1.75 | | | | | 7.2 | 2.0 | |
| 2.00 | | | | | 7.4 | 5.9 | |
| 2.25 | | | | | 7.3 | 6.0 | |

Notes:

Site

S. bank Maroochy River, Picnic Point Park

Project: SEA

Site: 3233

Soil Name: No record

Location: GDA 94 ZONE 56 507779 mE 7060075 mN
Location: AGD 84 ZONE 56 507673 mE 7059887 mN

Described By: Adams, J (Justin)

Date: 29-Mar-2001

Landscape:

Geology: No record **Substrate Lithology:** No record
Landform Pattern: No record **Element:** No record
Runoff: No record **Permeability:** No record
Microrelief: No record **Microrelief Component:** No record
Drainage: No record **Slope:** No record
Surface Coarse Fragments: No record
Surface Condition: No record

Classifications:

ASC: Sulfidic, Redoxic, HYDROSOL
GSG: No record **PPF:** No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| A11 | 0.00 to 0.80 | Very dark grey (10YR31) moist; clay loam, sandy; |
| A12 | 0.80 to 1.00 | Dark grey (10YR41) moist; sandy light clay; |
| B21 | 1.00 to 1.50 | Greenish grey (5GY51) moist; few 2-10% fine <5mm distinct brown mottles; sandy clay loam; |
| B22ia | 1.50 to 1.90 | Dark grey (5Y41) moist; few 2-10% medium 5-15mm distinct brown, very few <2% fine <5mm faint yellow jarositic (from pyrite) mottles; silty light clay; |
| 2C1u | 1.90 to 2.70 | Dark grey (5Y41) moist; silty light clay; |
| 2C2u | 2.70 to 3.05 | Dark grey (5Y41) moist; silty light clay; very few <2% angular shell small pebbles 2-6mm; |
| 2C3u | 3.05 to 4.00 | Dark grey (5Y41) moist; silty light clay; few 2-10% angular shell small pebbles |
| 2C4u | 4.00 to 4.85 | Dark grey (5Y41) moist; silty light clay; few 2-10% angular shell medium pebbles 6-20mm; |
| 3C5u | 4.85 to 5.30 | Grey (10YR51) moist; sand; |
| 4B22hs | 5.30 to 6.40 | Very dark grey (10YR31) moist; clayey sand; |
| 4B23s | 6.40 to 7.20 | Dark greyish brown (10YR42) moist; sand; |

Field Tests:

| Depth | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-------|-----------|------------|------|------|------|------|--|
| 0.60 | | | | | 5.9 | 2.4 | |
| 0.80 | | | | | 5.8 | 2.6 | |
| 1.00 | | | | | 5.5 | 3.1 | |
| 1.25 | | | | | 6.2 | 2.7 | |
| 1.50 | | | | | 6.1 | 3.6 | |
| 1.75 | | | | | 6.1 | 2.1 | |
| 2.00 | | | | | 6.5 | 2.0 | |
| 2.25 | | | | | 6.6 | 1.8 | |
| 2.50 | | | | | 6.6 | 1.9 | |
| 2.75 | | | | | 6.8 | 2.0 | |
| 3.00 | | | | | 7.1 | 2.1 | |
| 3.25 | | | | | 7.1 | 2.0 | |
| 3.50 | | | | | 7.4 | 1.8 | |
| 3.75 | | | | | 7.2 | 1.7 | |
| 4.00 | | | | | 7.6 | 1.6 | |
| 4.25 | | | | | 7.6 | 1.6 | |
| 4.50 | | | | | 7.5 | 1.7 | |
| 4.75 | | | | | 7.4 | 1.5 | |
| 5.00 | | | | | 5.3 | 1.3 | |
| 5.50 | | | | | 7.2 | 5.5 | |
| 6.00 | | | | | 6.9 | 5.8 | |
| 7.00 | | | | | 7.3 | 6.1 | |

Notes:

Project: SEA

Site: 3234

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

507021 mE
506915 mE

7059790 mN
7059602 mN

Described By: Adams, J (Justin)

Date: 29-Mar-2001

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: No record
Element: plain
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: Sulfidic, Oxyaquic, HYDROSOL
GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| C1 | 2.80 to 3.60 | Grey (2.5Y51) moist; clay loam, sandy; massive structure; |
| C2 | 3.60 to 5.00 | Dark grey (5Y41) moist; few 2-10% fine <5mm distinct brown mottles; silty light medium clay; very few <2% angular shell small pebbles 2-6mm, few 2-10% angular shell small pebbles 2-6mm; |
| C3 | 5.00 to 13.1 | Dark greenish grey (10Y41) moist; |
| 2C4u | 13.1 to 13.6 | Very dark grey (10YR31) moist; fibric sandy clay loam; |
| 3C5u | 13.6 to 14.2 | Grey (10YR61) moist; coarse sand; |
| 4C6 | 14.2 to 14.3 | Grey (10YR61) moist; few 2-10% medium 5-15mm distinct dark mottles; |
| 5B2hs | 14.3 to 14.4 | Dark greyish brown (10YR42) moist; loamy sand; very few <2% concretions; |

Field Tests:

| Depth | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-------|-----------|------------|------|------|------|------|--|
| 3.00 | | | | | 7.0 | 1.3 | |
| 3.75 | | | | | 5.8 | 1.7 | |
| 4.00 | | | | | 6.0 | 1.8 | |
| 4.25 | | | | | 6.9 | 1.7 | |
| 4.50 | | | | | 6.7 | 1.9 | |
| 4.75 | | | | | 7.2 | 1.7 | |
| 5.00 | | | | | 5.9 | 1.6 | |
| 5.50 | | | | | 7.6 | 1.9 | |
| 6.00 | | | | | 7.1 | 1.9 | |
| 6.50 | | | | | 7.8 | 2.2 | |
| 7.00 | | | | | 8.0 | 2.0 | |
| 7.50 | | | | | 7.9 | 1.8 | |
| 8.00 | | | | | 7.5 | 1.9 | |
| 8.50 | | | | | 5.8 | 1.8 | |
| 9.00 | | | | | 7.1 | 1.8 | |
| 9.50 | | | | | 7.9 | 1.6 | |
| 10.00 | | | | | 6.7 | 2.3 | |
| 10.50 | | | | | 7.3 | 2.0 | |
| 11.00 | | | | | 7.5 | 1.8 | |
| 11.50 | | | | | 7.3 | 1.9 | |
| 12.00 | | | | | 7.4 | 1.8 | |
| 12.50 | | | | | 5.8 | 1.6 | |
| 13.00 | | | | | 6.8 | 1.5 | |
| 13.50 | | | | | 7.2 | 1.4 | |
| 14.00 | | | | | 7.2 | 1.7 | |
| 14.40 | | | | | 7.3 | 4.7 | |

Notes:

Site

Sunshine motorway near roller coaster (road dips)

Project: SEA **Site:** 3235

Soil Name: No record

Location: GDA 94 ZONE 56 509361 mE 7059581 mN
Location: AGD 84 ZONE 56 509255 mE 7059393 mN

Described By: Johnston, Philip Leslie Woodford

Date: 04-Apr-2001

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: No record
Element: plain
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: Aquic, PODOSOL
GSG: No record **PPF:** No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| S1 | 0.00 to 0.40 | Clayey sand; few 2-10% subrounded gravel medium pebbles 6-20mm; massive structure; moderately moist when sampled; abrupt to; |
| S2 | 0.40 to 0.60 | Clayey sand; massive structure; moderately moist when sampled; abrupt to; |
| 2A1 | 0.60 to 0.85 | Black (10YR20) moist; sapric silty clay loam; massive structure; moderately moist when sampled; clear to; |
| 3B21 | 0.85 to 1.05 | Dark grey (10YR41) moist; clay loam, sandy; massive structure; wet when sampled; abrupt to; |
| 3B21h | 1.05 to 1.80 | Black (10YR20) moist; sapric loamy fine sand; massive structure; strongly cemented continuous massive organic pan; wet when sampled; clear to; |
| 3B22s | 1.80 to 2.20 | Dark reddish brown (5YR34) moist; loamy sand; massive structure; wet when sampled; clear to; |
| 3B23h | 2.20 to 2.37 | Very dark brown (10YR22) moist; sapric loamy fine sand; weakly cemented continuous massive ortstein; wet when sampled; |

Field Tests:

| Depth | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 5.2 | 3.8 | |
| 0.30 | | | | | 6.3 | 5.6 | |
| 0.60 | | | | | 6.2 | 4.4 | |
| 0.70 | | | | | 5.0 | 4.2 | |
| 0.80 | | | | | 4.6 | 3.4 | |
| 1.00 | | | | | 4.4 | 1.4 | |
| 1.25 | | | | | 5.4 | 3.4 | |
| 1.50 | | | | | 5.6 | 4.2 | |
| 1.75 | | | | | 6.1 | 4.5 | |
| 2.00 | | | | | 6.2 | 5.3 | |
| 2.25 | | | | | 6.2 | 5.1 | |

Notes:

Site Horizon S1 - fill
Site Horizon S2 - fill

Project: SEA

Site: 3236

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

505012 mE
504906 mE

7055885 mN
7055697 mN

Described By: Johnston, Philip Leslie Woodford

Date: 05-Apr-2001

Landscape:

Surface Coarse Fragments: No record

Surface Condition: No record

Classifications:

ASC: Redoxic, HYDROSOL

GSG: No record

PPF: No record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| S1 | 0.00 to 0.25 | |
| S2 | 0.25 to 0.55 | Dark grey (2.5Y41) moist; common 10-20% medium 5-15mm prominent orange mottles; medium clay; massive structure; moderately moist when sampled; sharp |
| B2 | 0.55 to 0.90 | Grey (5Y51) moist; few 2-10% medium 5-15mm distinct brown mottles; clayey sand; massive structure; wet when sampled; gradual to; |
| C1 | 0.90 to 1.50 | Dark grey (2.5Y41) moist; sandy loam; massive structure; wet when sampled; |
| 2C2u | 1.50 to 2.05 | Very dark grey (5Y31) moist; sandy light clay; many 20-50% angular shell medium pebbles 6-20mm; massive structure; wet when sampled; gradual to; |
| 3C3u | 2.05 to 6.95 | Dark grey (5Y41) moist; silty medium clay; few 2-10% angular shell medium pebbles 6-20mm; massive structure; wet when sampled; gradual to; |
| 4C4u | 6.95 to 7.90 | Dark greenish grey (10Y41) moist; fine sandy light medium clay; common 10-20% angular shell medium pebbles 6-20mm; massive structure; wet when sampled; clear to; |
| 5C5u | 7.90 to 8.75 | Dark greenish grey (10Y31) moist; silty light medium clay; very few <2% angular shell small pebbles 2-6mm; massive structure; wet when sampled; clear to; |
| 6D1 | 8.75 to 9.70 | Grey (2.5Y51) moist; common 10-20% medium 5-15mm distinct brown, few 2-10% fine <5mm distinct gley mottles; silty light medium clay; massive structure; wet when sampled; |

Field Tests:

| Depth | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-------|-----------|------------|------|------|------|------|--|
| 0.30 | | | | | 6.0 | 5.0 | |
| 0.60 | | | | | 7.2 | 6.2 | |
| 0.80 | | | | | 7.6 | 5.7 | |
| 1.00 | | | | | 7.2 | 1.5 | |
| 1.25 | | | | | 7.4 | 1.8 | |
| 1.50 | | | | | 7.5 | 2.1 | |
| 1.75 | | | | | 7.5 | 2.5 | |
| 2.00 | | | | | 8.2 | 2.0 | |
| 2.25 | | | | | 8.0 | 2.0 | |
| 2.50 | | | | | 7.7 | 2.0 | |
| 2.75 | | | | | 7.9 | 2.0 | |
| 3.00 | | | | | 7.8 | 1.9 | |
| 3.25 | | | | | 8.0 | 1.8 | |
| 3.50 | | | | | 8.0 | 1.7 | |
| 3.75 | | | | | 8.0 | 2.0 | |
| 4.00 | | | | | 7.5 | 2.0 | |
| 4.25 | | | | | 7.5 | 1.8 | |
| 4.50 | | | | | 8.3 | 2.0 | |
| 5.00 | | | | | 7.9 | | |
| 5.50 | | | | | 7.6 | 1.6 | |
| 6.00 | | | | | 7.5 | 1.9 | |
| 6.50 | | | | | 7.8 | 1.9 | |
| 7.00 | | | | | 7.3 | 3.0 | |
| 7.25 | | | | | 7.6 | 5.4 | |
| 7.50 | | | | | 7.5 | 4.2 | |
| 7.75 | | | | | 7.5 | 4.5 | |
| 8.00 | | | | | 7.4 | 1.9 | |
| 8.25 | | | | | 7.4 | 1.6 | |
| 8.50 | | | | | 7.5 | 1.6 | |
| 9.00 | | | | | 7.2 | 2.0 | |
| 9.50 | | | | | 7.2 | 6.1 | |

Project: SEA

Site: 3237

Soil Name: No record

Location: GDA 94

ZONE 56

505561 mE

7055861 mN

Location: AGD 84

ZONE 56

505455 mE

7055673 mN

Described By: Johnston, Philip Leslie Woodford

Date: 06-Apr-2001

Landscape:

Geology: No record

Substrate Lithology: No record

Landform Pattern: No record

Element: No record

Runoff: No record

Permeability: No record

Microrelief: No record

Microrelief Component: No record

Drainage: No record

Slope: No record

Surface Coarse Fragments: No record

Surface Condition: No record

Classifications:

ASC: Redoxic, HYDROSOL

GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| A1p | 0.00 to 0.30 | Black (10YR21) moist; sapric silty light clay; weak 2-5mm granular structure; moderately moist when sampled; abrupt to; |
| A3p | 0.30 to 0.50 | Black (10YR21) moist; few 2-10% coarse 15-30mm distinct pale mottles; light medium clay; massive structure; moderately moist when sampled; abrupt to; |
| 2B2 | 0.50 to 0.95 | Light olive grey (5Y62) moist; common 10-20% coarse 15-30mm distinct orange mottles; fine sandy light clay; massive structure; wet when sampled; clear to; |
| 3C1u | 0.95 to 1.90 | Dark greenish grey (10Y41) moist; very few <2% medium 5-15mm distinct orange mottles; sandy light clay; common 10-20% angular shell small pebbles 2-6mm; massive structure; wet when sampled; clear to; |
| 4D1 | 1.90 to 2.37 | White (N80) moist; few 2-10% medium 5-15mm distinct orange, very few <2% medium 5-15mm prominent orange mottles; clayey coarse sand; massive structure; wet when sampled; clear to; |

Field Tests:

| Depth | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 5.9 | 4.8 | |
| 0.31 | | | | | 6.7 | 5.8 | |
| 0.60 | | | | | 6.9 | 6.0 | |
| 0.80 | | | | | 7.0 | 5.9 | |
| 1.00 | | | | | 7.4 | 6.1 | |
| 1.25 | | | | | 7.4 | 5.3 | |
| 1.50 | | | | | 7.6 | 2.1 | |
| 1.75 | | | | | 8.0 | 1.8 | |
| 2.00 | | | | | 7.8 | 6.0 | |
| 2.25 | | | | | 7.4 | 6.1 | |

Notes:

Site

Cane headland, phragmites, access via Finland Road

Project: SEA **Site:** 3238

Soil Name: No record

Location: GDA 94 **ZONE** 56 **505768 mE** **7055826 mN**
Location: AGD 84 **ZONE** 56 **505662 mE** **7055638 mN**

Described By: Johnston, Philip Leslie Woodford

Date: 06-Apr-2001

Landscape:

Geology: No record **Substrate Lithology:** No record
Landform Pattern: No record **Element:** No record
Runoff: No record **Permeability:** No record
Microrelief: No record **Microrelief Component:** No record
Drainage: No record **Slope:** No record
Surface Coarse Fragments: No record
Surface Condition: No record

Classifications:

ASC: Redoxic, HYDROSOL
GSG: No record **PPF:** No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| A1p | 0.00 to 0.10 | Black (10YR21) moist; silty light clay; massive structure; moderately moist when sampled; clear to; |
| B21 | 0.10 to 0.45 | Light olive grey (5Y62) moist; few 2-10% medium 5-15mm distinct orange mottles; sandy clay loam; massive structure; moderately moist when sampled; clear to; |
| B22 | 0.45 to 0.90 | Dark grey (2.5Y41) moist; common 10-20% very coarse >30mm prominent orange mottles; clayey sand; massive structure; moderately moist when sampled; gradual |
| C1 | 0.90 to 3.75 | Dark greenish grey (10Y41) moist; sandy loam; few 2-10% angular shell small pebbles 2-6mm, very few <2% angular shell medium pebbles 6-20mm; massive structure; wet when sampled; abrupt to; |
| D1 | 3.75 to 4.80 | Grey (5Y61) moist; common 10-20% very coarse >30mm distinct brown, common 10-20% coarse 15-30mm prominent red mottles; sandy medium clay; massive structure; wet when sampled; |

Field Tests:

| Depth | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 6.5 | 3.6 | |
| 0.30 | | | | | 8.2 | 6.2 | |
| 0.60 | | | | | 8.0 | 6.5 | |
| 0.80 | | | | | 7.9 | 6.2 | |
| 1.00 | | | | | 7.7 | 3.4 | |
| 1.25 | | | | | 7.6 | 1.8 | |
| 1.50 | | | | | 7.4 | 1.8 | |
| 1.75 | | | | | 7.2 | 2.0 | |
| 2.00 | | | | | 7.2 | 1.9 | |
| 2.25 | | | | | 7.4 | 2.0 | |
| 2.50 | | | | | 7.9 | 2.0 | |
| 2.75 | | | | | 7.2 | 2.0 | |
| 3.00 | | | | | 7.3 | 1.8 | |
| 3.25 | | | | | 7.3 | 1.9 | |
| 3.50 | | | | | 7.1 | 6.3 | |
| 3.75 | | | | | 6.7 | 1.1 | |
| 4.00 | | | | | 6.5 | 1.5 | |
| 4.25 | | | | | 6.6 | 3.4 | |
| 4.50 | | | | | 6.4 | 5.2 | |
| 4.75 | | | | | 6.3 | 5.7 | |

Notes:

Project: SEA

Site: 3239

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

504691 mE
504585 mE

7055427 mN
7055239 mN

Described By: Adams, J (Justin)

Date: 06-Apr-2001

Landscape:

Geology: No record
Landform Pattern: alluvial plain
Runoff: No record
Microrelief: No record
Drainage: No record
Surface Coarse Fragments: No record
Surface Condition: No record

Substrate Lithology: No record
Element: levee
Permeability: No record
Microrelief Component: No record
Slope: No record

Classifications:

ASC: Redoxic, HYDROSOL
GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| S1 | 0.00 to 0.45 | Dark brown (7.5YR34) moist; coarse sandy clay loam; massive structure; few 2-10% medium 2-6mm ferromanganiferous soft segregations; moist when sampled; |
| C1 | 0.45 to 0.85 | Very dark grey (2.5Y31) moist; sand; single grain structure; moist when sampled; sharp to; |
| 2C2 | 0.85 to 1.70 | Very dark grey (5Y31) moist; sapric silty light clay; massive structure; wet when sampled; gradual to; |
| 2C3u | 1.70 to 3.40 | Dark grey (5Y41) moist; clayey fine sand; massive structure; wet when sampled; diffuse to; |
| 4C4u | 3.40 to 4.20 | Dark greenish grey (10Y41) moist; fine sandy clay loam; few 2-10% angular shell medium pebbles 6-20mm; massive structure; wet when sampled; |
| 5C5u | 4.20 to 4.60 | Dark greenish grey (10Y41) moist; silty clay loam; many 20-50% angular shell medium pebbles 6-20mm; massive structure; wet when sampled; |
| 6D1 | 4.60 to 4.75 | White (2.5Y82) moist; many 20-50% coarse 15-30mm distinct brown mottles; fine sandy medium clay; massive structure; wet when sampled; |

Field Tests:

| Depth | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.4 | 2.6 | |
| 0.30 | | | | | 4.8 | 6.2 | |
| 0.60 | | | | | 5.8 | 5.3 | |
| 0.80 | | | | | 6.3 | 2.2 | |
| 1.00 | | | | | 6.4 | 1.8 | |
| 1.25 | | | | | 6.8 | 1.3 | |
| 1.50 | | | | | 6.7 | 1.4 | |
| 1.75 | | | | | 6.8 | 1.7 | |
| 2.00 | | | | | 7.1 | 1.9 | |
| 2.25 | | | | | 7.3 | 1.9 | |
| 2.50 | | | | | 7.0 | 1.9 | |
| 2.75 | | | | | 7.3 | 1.8 | |
| 3.00 | | | | | 7.4 | 1.6 | |
| 3.25 | | | | | 7.3 | 1.7 | |
| 3.50 | | | | | 7.3 | 2.1 | |
| 3.75 | | | | | 7.3 | 1.8 | |
| 4.00 | | | | | 7.0 | 5.3 | |
| 4.25 | | | | | 7.0 | 5.9 | |
| 4.50 | | | | | 7.1 | 5.8 | |
| 4.75 | | | | | 6.9 | 6.0 | |

Notes:

Project: SEA

Site: 3240

Soil Name: No record

Location: GDA 94

ZONE 56

505996 mE

7058335 mN

Location: AGD 84

ZONE 56

505890 mE

7058147 mN

Described By: Johnston, Philip Leslie Woodford

Date: 07-Apr-2001

Landscape:

Geology: No record

Landform Pattern: alluvial plain

Runoff: No record

Microrelief: No record

Drainage: No record

Surface Coarse Fragments: No record

Surface Condition: No record

Substrate Lithology: No record

Element: levee

Permeability: No record

Microrelief Component: No record

Slope: No record

Classifications:

ASC: Intertidal, HYDROSOL

GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|---|
| A1 | 0.00 to 0.15 | Dark greyish brown (10YR42) moist; heavy silty light medium clay; massive structure; wet when sampled; clear to; |
| B21 | 0.15 to 0.40 | Dark greyish brown (2.5Y42) moist; common 10-20% medium 5-15mm distinct orange mottles; silty light clay; massive structure; wet when sampled; |
| B22 | 0.40 to 0.75 | Dark grey (2.5Y41) moist; few 2-10% medium 5-15mm distinct orange mottles; silty light medium clay; massive structure; wet when sampled; gradual to; |
| C1 | 0.75 to 1.00 | Very dark grey (5Y31) moist; silty light medium clay; massive structure; wet when sampled; gradual to; |
| 2C2u | 1.00 to 1.50 | Very dark grey (5Y31) moist; fine sandy light clay; massive structure; wet when sampled; clear to; |
| 3C3u | 1.50 to 1.90 | Dark grey (2.5Y41) moist; clayey sand; massive structure; wet when sampled; |
| 4C4u | 1.90 to 2.30 | Dark greenish grey (10Y31) moist; silty medium clay; massive structure; wet when sampled; diffuse to; |
| 4C5u | 2.30 to 3.00 | Very dark grey (N30) moist; silty medium clay; few 2-10% angular shell small pebbles 2-6mm; massive structure; wet when sampled; diffuse to; |
| 4C6u | 3.00 to 6.10 | Dark greenish grey (5GY31) moist; silty medium clay; very few <2% angular shell small pebbles 2-6mm; massive structure; wet when sampled; diffuse to; |
| 5C7u | 6.10 to 7.30 | Grey (5Y51) moist; sand; few 2-10% angular shell small pebbles 2-6mm; massive structure; wet when sampled; |
| 6C8u | 7.30 to 9.15 | Dark greenish grey (10Y31) moist; silty medium clay; very few <2% angular shell small pebbles 2-6mm; massive structure; wet when sampled; |
| 7C9u | 9.15 to 9.70 | Dark greenish grey (10Y31) moist; very few <2% fine <5mm prominent red, very few <2% fine <5mm prominent red mottles; sandy light medium clay; very few <2% angular shell small pebbles 2-6mm; massive structure; wet when sampled; |

Project: SEA

Site: 3240

Soil Name: No record

Location: GDA 94
Location: AGD 84

ZONE 56
ZONE 56

505996 mE
505890 mE

7058335 mN
7058147 mN

Described By: Johnston, Philip Leslie Woodford

Date: 07-Apr-2001

Field Tests:

| Depth | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-------|-----------|------------|------|------|------|------|--|
| 0.10 | | | | | 4.8 | 2.4 | |
| 0.30 | | | | | 4.9 | 3.3 | |
| 0.60 | | | | | 6.5 | 4.4 | |
| 0.80 | | | | | 7.4 | 1.7 | |
| 1.00 | | | | | 7.6 | 1.5 | |
| 1.25 | | | | | 7.6 | 1.5 | |
| 1.50 | | | | | 7.5 | 1.4 | |
| 1.75 | | | | | 7.5 | 1.6 | |
| 2.00 | | | | | 8.0 | 1.9 | |
| 2.25 | | | | | 7.8 | 2.0 | |
| 2.50 | | | | | 7.8 | 2.1 | |
| 2.75 | | | | | 7.7 | 2.4 | |
| 3.00 | | | | | 7.5 | 2.6 | |
| 3.25 | | | | | 7.8 | 2.1 | |
| 3.50 | | | | | 7.9 | 2.1 | |
| 3.75 | | | | | 8.3 | 2.0 | |
| 4.00 | | | | | 8.0 | 2.0 | |
| 4.25 | | | | | 7.6 | 2.0 | |
| 4.50 | | | | | 7.7 | 2.0 | |
| 4.75 | | | | | 7.6 | 2.1 | |
| 5.00 | | | | | 8.1 | 2.1 | |
| 5.50 | | | | | 8.0 | 2.0 | |
| 5.75 | | | | | 8.2 | 2.1 | |
| 6.00 | | | | | 8.1 | 1.9 | |
| 6.25 | | | | | 7.5 | 2.4 | |
| 6.50 | | | | | 7.4 | 4.0 | |
| 6.75 | | | | | 7.4 | 3.8 | |
| 7.00 | | | | | 7.7 | 1.6 | |
| 7.50 | | | | | 7.6 | 1.7 | |
| 8.00 | | | | | 7.9 | 1.9 | |
| 8.50 | | | | | 7.9 | 1.2 | |
| 9.00 | | | | | 7.8 | 2.0 | |
| 9.25 | | | | | 8.0 | 2.5 | |
| 9.50 | | | | | 7.9 | 6.3 | |

Notes:

Project: SEA **Site:** 3241

Soil Name: No record

Location: GDA 94 ZONE 56 509372 mE 7060020 mN
Location: AGD 84 ZONE 56 509266 mE 7059832 mN

Described By: Johnston, Philip Leslie Woodford

Date: 07-Apr-2001

Landscape:

Geology: No record

Landform Pattern: No record

Runoff: No record

Microrelief: No record

Drainage: No record

Surface Coarse Fragments: No record

Surface Condition: No record

Substrate Lithology: No record

Element: No record

Permeability: No record

Microrelief Component: No record

Slope: No record

Classifications:

ASC: Spolic, ANTHROPOSOL

GSG: No record

PPF: No record

Vegetation:

No Record

Profile Morphology:

| Horizon | Depth (m) | Description |
|---------|--------------|--|
| S1 | 0.00 to 0.75 | |
| 2A1 | 0.75 to 0.95 | Black (10YR20) moist; sapric silty clay loam; massive structure; moderately moist when sampled; |
| 2C2 | 0.95 to 1.50 | Dark grey (10YR41) moist; sandy light medium clay; massive structure; moderately moist when sampled; |
| 3B21h | 1.50 to 2.37 | Black (10YR21) moist; sapric clayey sand; massive structure; moderately cemented continuous massive organic pan; wet when sampled; |

Field Tests:

| Depth | EC (dS/m) | Dispersion | pH-A | pH-B | pH-C | pH-D | pH-C (pH using electrode probe), pH-D (pH of hydrogen peroxide extract) |
|-------|-----------|------------|------|------|------|------|--|
| 0.80 | | | | | 4.5 | 3.8 | |
| 1.00 | | | | | 4.8 | 3.6 | |
| 1.25 | | | | | 4.7 | 1.5 | |
| 1.50 | | | | | 5.0 | 1.3 | |
| 1.75 | | | | | 5.1 | 1.9 | |
| 2.00 | | | | | 5.2 | 2.6 | |
| 2.25 | | | | | 5.1 | 2.8 | |

Notes: