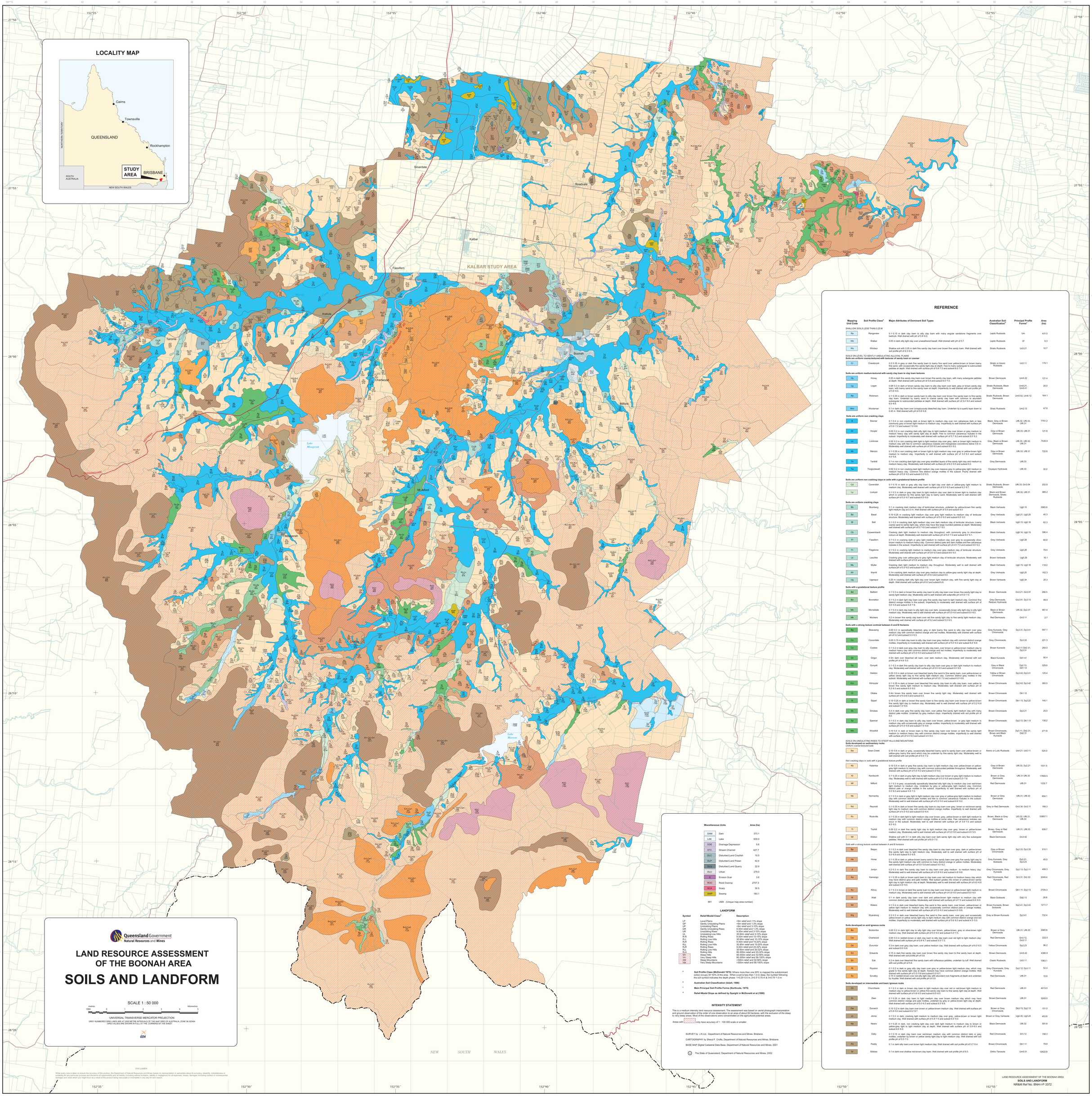
LOCALITY MAP
Cairns
Townsville
QUEENSLAND
Rockhampton
NORTHERN TERRITORY
SOUTH AUSTRALIA
STUDY AREA
BRISBANE
NEW SOUTH WALES
KALBAR STUDY AREA
Silverdale
Roadvale
Kalbar
Fassifern
Aratula
Tarome
Boonah
Charlwood
Milford
Mt Alford
Mt Mowbreak
Lake Moogerah
Lake Moreton
NEW SOUTH WALES
Queensland Government
Natural Resources and Mines
LAND RESOURCE ASSESSMENT
OF THE BOONAH AREA
SOILS AND LANDFORM
SCALE 1 : 50 000
UNIVERSAL TRANSVERSE MERCATOR PROJECTION
GRID LINES ARE AT 200 METRE INTERVALS OF THE MAP GRID OF AUSTRALIA, ZONE 56 GDA94
GRID VALUES ARE SHOWN IN FULL AT THE CORNERS OF THE SHEET
GDA
DISCLAIMER
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REFERENCE
Mapping Unit Code | Soil Profile Class* | Major Attributes of Dominant Soil Types | Australian Soil Classification# | Principal Profile Forms* | Area (ha)
SHALLOW SOILS LESS THAN 0.25 M
Rv | Rangeview | 0.1-0.15 m dark clay loam to silty clay loam with many angular sandstone fragments over bedrock. Well drained with pH of 5.8-6.0. | Leptic Rudosols | Um | 431.0
Wk | Walker | 0.05 m dark silty light clay over unweathered basalt. Well drained with pH of 5.7. | Leptic Rudosols | Uf | 6.3
Ws | Windsor | Shallow soil with 0.05 m dark fine sandy clay loam over brown fine sandy loam. Well drained with soil profile pH of 6.3-6.5. | Stratic Rudosols | Uc5.21 | 10.7
SOILS ON LEVEL TO GENTLY UNDULATING ALLUVIAL PLAINS
Soils are uniform coarse-textured with textures of sandy loam or coarser
Cr | Cressbrook | 0.2-0.35 m grey or dark fine sandy loam to loamy fine sand over yellow-brown or brown loamy fine sand, with occasionally fine sandy light clay at depth. Few to many subangular to subrounded pebbles at depth. Well drained with surface pH of 5.8-7.0 and subsoil 6.0-7.8. | Stratic or Arenic Rudosols | Uc5.11 | 179.1
Soils are uniform medium-textured with sandy clay loam to clay loam textures
Hy | Honey | 0.25 m dark fine sandy clay loam over brown fine sandy clay loam, with many subangular pebbles at depth. Well drained with surface pH of 5.8 and subsoil 6.0-7.0. | Brown Dermosols | Um5.22 | 121.4
Lg | Logan | 0.08-0.3 m dark or brown sandy clay loam to silty clay loam over dark, grey or brown sandy clay loam to loamy sand to fine sandy loam at depth. Imperfectly to well drained with soil profile pH of 5.8-6.5. | Stratic Rudosols, Black Dermosols | Um5.21, Um5.41 | 20.0
Rs | Robinson | 0.1-0.35 m dark or brown sandy loam to silty clay loam over brown fine sandy loam to fine sandy clay loam. Underlain by loamy sand to coarse sandy clay loam with common to abundant pebbles and/or to subrounded pebbles at depth. Well drained with surface pH of 5.4-6.8 and subsoil 6.0-8.6. | Stratic Rudosols, Brown Dermosols | Um5.52, Um6.12 | 164.1
Wm | Woolleman | 0.1 m dark clay loam over conspicuously bleached clay loam. Underlain by a quartz layer down to 0.45 m. Well drained with pH of 5.6-6.8. | Stratic Rudosols | Um2.12 | 47.8
Soils are uniform non cracking clays
B | Brenner | 0.1-0.4 m non cracking dark or brown light to medium clay over non calcareous dark or less commonly grey or brown light medium to medium clay. Imperfectly to well drained with surface pH of 5.6-7.0 and subsoil 7.0-8.6. | Black, Grey or Brown Dermosols | UN.32, UN.33, UN.31 | 7791.2
Ho | Hooper | 0.05-0.2 m non cracking dark silty light clay to light medium clay over brown or grey medium to medium heavy clay with sandy light clay at depth. Few to common calcareous nodules in the subsoil. Imperfectly to moderately well drained with surface pH of 5.7-9.2 and subsoil 8.5-9.2. | Grey or Brown Dermosols | UN.33, UN.31 | 121.8
Lk | Lockrose | 0.05-0.3 m non cracking dark light to light medium clay over grey, dark or brown light medium to medium clay with few to common calcareous nodules and manganese concretions below 0.6 m. Moderately well drained with surface pH of 5.8-6.5 and subsoil 8.5-9.0. | Grey, Black or Brown Dermosols | UN.33, UN.32, UN.31 | 7535.9
Mk | Maroon | 0.1-0.25 m non cracking dark or brown light to light medium clay over grey or yellow-brown light medium to medium clay. Imperfectly to well drained with surface pH of 5.0-6.0 and subsoil 4.0-5.8. | Grey or Brown Dermosols | UN.33, UN.31 | 722.6
Tn | Tenthill | 0.1 m non cracking dark light clay over grey stratified layers of fine sandy light clay and medium to medium heavy clay. Moderately well drained with surface pH of 6.0-9.0 and subsoil 9.0. | Grey Dermosols | UN.33 |
Tw | Toogoolawah | 0.05-0.2 m non cracking dark light medium clay over massive grey to yellow-grey light medium to medium heavy clay. Common fine distinct orange mottles in the subsoil. Poorly drained with surface pH of 5.6-6.5 and subsoil 5.0-6.5. | Oxyaquic Hydrosols | UN.33 | 32.2
Soils are uniform non cracking clays or soils with a gradational texture profile
Cd | Cavendish | 0.1-0.15 m dark or grey silty clay loam to light clay over dark or yellow-grey light medium to medium clay. Moderately well drained with surface pH of 5.5-6.5 and subsoil 6.2-8.7. | Stratic Rudosols, Brown Dermosols | UN.33, Gn3.04 | 202.8
Ly | Lockyer | 0.1-0.3 m dark or grey clay loam to light medium clay over dark to brown light to medium clay which is underlain by fine sandy light clay to loamy sand. Moderately well to well drained with surface pH of 5.0-6.7 and subsoil 6.0-8.8. | Black and Brown Dermosols, Stratic Rudosols | UN.32, UN.31 | 985.2
Soils are uniform cracking clays
Bb | Blumberg | 0.1 m cracking dark medium clay of lenticular structure, underlain by yellow-brown fine sandy light-medium clay at 0.3 m. Well drained with surface pH of 5.8 and subsoil 9.0. | Black Vertosols | Ug5.15 | 3565.6
Bs | Basel | 0.15-0.25 m cracking light medium clay over grey light medium to medium clay of lenticular structure. Moderately well drained with surface pH of 6.0-6.0 and subsoil 8.5-9.0. | Grey Vertosols | Ug5.21, Ug5.25 | 40.3
Bl | Bell | 0.1-0.2 m cracking dark light medium clay over dark medium clay of lenticular structure. Loamy coarse sand to sandy light clay, which may have few large rounded pebbles at depth. Moderately well drained with surface pH of 5.7-6.0 and subsoil 5.7-8.0 | Black Vertosols | Ug5.15, Ug5.16 | 62.3
Cb | Cooeimbardi | Cracking dark light medium to medium clay throughout, with commonly grey to olive-brown colours at depth. Moderately well drained with surface pH of 5.2-7.0 and subsoil 8.0-9.1. | Black Vertosols | Ug5.16, Ug5.15 | 396.4
Ff | Fassifern | 0.1-0.3 m cracking dark or grey light medium to medium clay over grey to occasionally olive-brown medium to medium heavy clay. Common distinct pale and dark mottles and few calcareous nodules in the subsoil. Imperfectly to well drained with surface pH of 4.5-7.0 and subsoil 8.6-9.2. | Grey Vertosols | Ug5.28 | 60.9
Fl | Flagstone | 0.1-0.2 m cracking light medium to medium clay over grey medium clay of lenticular structure. Moderately well drained with surface pH of 5.8-6.0 and subsoil 8.6-9.0. | Grey Vertosols | Ug5.28 | 78.4
Lk | Leschke | Cracking grey over yellow-grey to grey light medium clay of lenticular structure. Moderately well drained with surface pH of 6.8 and subsoil 8.6. | Brown Vertosols | Ug5.28 | 16.1
Mu | Muller | Cracking dark light medium to medium clay throughout. Moderately well to well drained with surface pH of 5.0-6.0 and subsoil 5.0-7.5. | Black Vertosols | Ug5.15, Ug5.16 | 118.0
Wo | Warrill | 0.1m cracking dark medium clay over grey medium clay to yellow-grey sandy light clay at depth. Moderately well drained with surface pH of 6.0 and subsoil 9.0. | Grey Vertosols | Ug5.25 | 162.3
Ug | Ugarapul | 0.25 m cracking dark silty light clay over brown light medium clay, with fine sandy light clay at depth. Well drained with surface pH of 6.0 and subsoil 8.8. | Brown Vertosols | Ug5.34 | 20.3
Soils with a gradational texture profile
Bd | Bellbird | 0.1-0.3 m dark or brown fine sandy clay loam to silty clay loam over brown fine sandy light clay to sandy light medium clay. Moderately well to well drained with subprofile pH of 5.0-7.0. | Brown Dermosols | Gn3.21, Gn3.91 | 266.5
Br | Bromelton | 0.1-0.2 m dark light clay loam over grey fine sandy clay loam to light medium clay. Common fine distinct orange mottles in the subsoil. Imperfectly to moderately well drained with surface pH of 5.0-5.8 and subsoil 5.8-7.8. | Grey Dermosols, Redoxic Hydrosols | Gn2.81, Dy3.13 | 89.9
Ms | Monsildale | 0.1-0.3 m dark clay loam to silty light clay over dark, occasionally brown silty light clay to silty light medium clay. Moderately well to well drained with surface pH of 5.5-6.5 and subsoil 6.0-8.5. | Black or Brown Dermosols | UN.32, Dy2.31 | 461.4
Mk | Mockers | 0.2 m brown fine sandy clay loam over red fine sandy light clay to fine sandy light medium clay. Moderately well drained with surface pH of 5.2 and subsoil 5.2-6.5. | Red Dermosols | Gn3.11 | 2.7
Soils with a strong texture contrast between A and B Horizons
Bg | Beausang | 0.05-0.3 m sporadically bleached, grey or dark loamy fine sand to silty clay loam over grey medium clay. Common distinct orange and red mottles. Moderately well drained with surface pH of 5.2 and subsoil 5.3-9.0. | Grey Kurosols, Grey Chromosols | Dy3.31, Dy3.41 | 557.1
Cn | Coronndale | 0.05-0.15 m dark clay loam to silty clay loam over grey medium clay with common distinct orange mottles. Imperfectly to moderately well drained with surface pH of 5.0-6.0 and subsoil 8.2-8.9. | Grey Chromosols, | Dy3.33 | 221.3
Co | Cookes | 0.1-0.2 m dark over grey clay loam to silty clay loam, over brown or yellow-brown medium clay to medium heavy clay with common distinct orange and red mottles. Imperfectly to moderately well drained with surface pH of 5.5-6.0 and subsoil 4.8-5.5. | Brown Kurosols | Dy2.11 Db2.31, Dy3.31 | 293.0
Gr | Grigor | 0.3m dark over bleached silt loam, over dark medium clay. Moderately well drained with soil profile pH of 4.6-5.0. | Black Kurosols | Dt1.41 | 95.4
Gy | Gunyah | 0.1-0.3 m dark fine sandy clay loam to silty clay loam over grey or dark light medium to medium clay. Moderately well drained with surface pH of 5.5-6.5 and subsoil 6.5-8.8. | Grey or Black Chromosols | Dy2.13, Dt1.13 | 329.6
Hd | Heddon | 0.20-0.5 m dark or brown over bleached loamy fine sand to fine sandy loam, over yellow-brown or yellow sandy light clay to fine sandy light medium clay. Common distinct grey mottles in the subsoil. Moderately well drained with surface pH of 5.7-7.0 and subsoil 6.5-8.8. | Yellow or Brown Chromosols | Dy2.42, Dy2.41 | 125.4
Km | Kilmoylar | 0.1-0.35 m dark or brown over bleached fine sandy clay loam to silty clay loam, over yellow to brown fine sandy light medium to medium clay. Moderately well drained with surface pH of 5.2-6.0 and subsoil 6.0-9.0. | Brown Chromosols | Dy2.43, Dy3.42 | 360.0
Ot | Ottaba | 0.4m brown fine sandy loam over brown fine sandy light clay. Moderately well drained with surface pH of 6.5-6.5 and subsoil 6.5. | Brown Chromosols | Db1.12 |
Sl | Sippel | 0.15-0.25 m dark or brown fine sandy loam to fine sandy clay loam over brown to yellow-brown fine sandy light clay to medium clay. Moderately well to well drained with surface pH of 5.2-6.8 and subsoil 7.0-8.6. | Brown Chromosols | Db1.13, Dy2.22 | 149.1
Sk | Smokes | 0.4 m dark over grey fine sandy clay loam, over yellow fine sandy light medium clay with many distinct pale mottles. Underlain by grey medium clays. Imperfectly drained with soil profile pH of 6.0. | Brown Chromosols | Dy3.21 | 25.0
Sp | Spencer | 0.1-0.3 m dark clay loam to silty clay loam over brown, yellow-brown or grey light medium to medium clay with occasionally grey or orange mottles. Imperfectly to moderately well drained with surface pH of 5.5-6.8 and subsoil 7.5-8.8. | Brown Chromosols | Dy2.13, Db1.13 | 138.2
Wd | Woodhill | 0.15-0.4 m dark or brown loam to fine sandy clay loam over brown or dark fine sandy light clay to light medium clay with few to common distinct orange mottles. Imperfectly to well drained with surface pH of 5.6-6.0 and subsoil 4.8-6.0. | Brown Chromosols, Brown and Black Kurosols | Dy3.11, Db2.31, Dd2.31 | 271.8
SOILS ON UNDULATING RISES TO STEEP HILLS AND MOUNTAINS
Soils developed on sedimentary rocks
Uniform coarse-textured soils
Sw | Swan Creek | 0.10-0.6 m dark or grey, occasionally bleached loamy sand to sandy loam over yellow-brown or yellow-grey loamy fine sand which may be underlain by fine sandy light clay. Moderately well to well drained with soil profile pH of 5.5-7.2. | Arenic or Lutic Rudosols | Uc4.21, Uc5.11 | 520.0
Non cracking clays or soils with a gradational texture profile
Kb | Kalamba | 0.15-0.5 m dark or grey fine sandy clay loam to light medium clay over yellow-brown or yellow-grey light medium to medium clay with common subrounded pebbles throughout. Moderately well drained with surface pH of 5.6-6.0 and subsoil 4.9-6.0. | Grey or Brown Dermosols | UN.33, Dy2.21 | 1031.5
Kl | Kenilworth | 0.1-0.25 m dark or grey light clay to light medium clay over brown or grey light medium to medium clay. Moderately well to well drained with surface pH of 5.0-6.8 and subsoil 5.5-7.8. | Brown or Grey Dermosols | UN.31 UN.33 | 17809.5
Mf | Milford | 0.1-0.3 m grey, occasionally sporadically bleached silty light clay to medium clay over red-brown light medium to medium clay. Underlain by grey or yellow-grey light medium clay. Common distinct pale or orange mottles in the subsoil. Imperfectly to well drained with surface pH of 5.0-6.0 and subsoil 4.8-7.0. | Red Dermosols | UN.31 | 1232.7
Nb | Normanby | 0.1-0.3 m dark or grey light to light medium clay over grey or yellow-grey light medium to medium clay with common distinct pale mottles and few to common calcareous nodules in the subsoil. Moderately well to well drained with surface pH of 6.0-9.0 and subsoil 8.6-9.2. | Brown or Grey Dermosols | UN.31, UN.33 | 604.1
Rd | Reynold | 0.1-0.25 m dark or brown fine sandy clay loam to clay loam over grey, brown or red-brown sandy light clay to light medium clay with few distinct orange mottles. Imperfectly to well drained with surface pH of 4.5-6.0 and subsoil 5.0-6.4. | Grey or Red Dermosols | Gn3.34, Gn3.11 | 169.3
Rv | Rockville | 0.1-0.35 m dark light to light medium clay over brown, grey, yellow-brown or dark light medium to medium clay with common distinct orange mottles at some sites. Few calcareous nodules can occur in the subsoil. Moderately well to well drained with surface pH of 5.8-7.0 and subsoil 6.5-9.0. | Brown, Black or Grey Dermosols | UN.32, UN.31, UN.33 | 53857.1
Tl | Toohill | 0.05-0.2 m dark fine sandy light clay to light medium clay over grey, brown or yellow-brown medium clay. Moderately well to well drained with surface pH of 5.0-6.5 and subsoil 4.5-5.5. | Brown, Grey or Red Dermosols | UN.31, UN.33 | 938.7
Wt | Walton | Shallow soil with 0.1 m dark silty clay loam over dark sandy light clay with very few subangular pebbles. Well drained with soil profile pH of 6.0-7.0. | Black Dermosols | Gn3.42 |
Soils with a strong texture contrast between A and B horizons
Bp | Beppo | 0.1-0.3 m dark over bleached fine sandy clay loam to clay loam over grey, dark or yellow-brown fine sandy light clay to light medium clay. Moderately well to well drained with surface pH of 5.0-6.8 and subsoil 6.0-8.5. | Grey or Brown Chromosols | Dy2.33, Dy3.33 | 510.1
Hs | Horse | 0.1-0.35 m dark or yellow-brown loamy sand to fine sandy loam over grey fine sandy light clay to fine sandy light medium clay with common to many distinct orange or yellow mottles. Moderately well drained with surface pH of 5.5-5.8 and subsoil 4.5-9.2. | Grey Kurosols, Grey Sodosols | Dy3.21, Dy3.23 | 40.0
Jt | Jontyn | 0.2-0.3 m dark fine sandy clay loam to clay loam over grey medium to medium heavy clay. Moderately well to well drained with surface pH of 5.8-6.0 and subsoil 4.8-9.8. | Grey Chromosols, Grey Kurosols | Dy2.13, Dy2.11 | 408.3
Kg | Kamerigo | 0.1-0.35 m dark or brown sand to clay loam over red medium to medium heavy clay which may have distinct grey and pale mottles. Red subsoil grades into brown or yellow-brown sandy light clay to light medium clay at depth. Moderately well to well drained with surface pH of 4.0-6.8 and subsoil 4.9-9.0. | Red Chromosols, Red Kurosols | Dr3.31, Dr2.33 | 2049.4
Ky | Kilcoy | 0.1-0.3 m brown or dark fine sandy loam to clay loam over brown or yellow-brown light medium to medium clay. Moderately well to well drained with surface pH of 5.8-6.5 and subsoil 6.0-9.0. | Brown Chromosols | Dr1.11, Dy2.13 | 3729.3
W | Watt | 0.1 m dark sandy clay loam over dark and yellow-brown light medium to medium clay with common distinct pale mottles. Moderately well drained with surface pH of 7.5 and subsoil 8.6-8.5. | Black Sodosols | Dd2.13 | 29.8
Wt | Waters | 0.1-0.4 m dark over bleached loamy fine sand to fine sandy loam, over brown, yellow-brown or yellow light medium to medium clay with occasionally common distinct pale or orange mottles. Moderately well to well drained with surface pH of 5.5-6.0 and subsoil 4.5-8.8. | Brown Kurosols, Brown Sodosols | Dy2.41, Dy2.43 | 1211.7
Wg | Wyaralong | 0.3-0.5 m dark over bleached loamy fine sand to fine sandy loam, over grey and occasionally yellow-brown or yellow sandy light clay to light medium clay with common distinct orange and red mottles. Imperfectly to moderately well drained with surface pH of 5.6-6.0 and subsoil 4.5-5.0. | Grey or Brown Kurosols | Dy3.41 | 732.4
Soils developed on acid igneous rocks
Bo | Boolumba | 0.05-0.2 m dark light clay to silty light clay over brown, yellow-brown, grey or olive-brown light medium clay. Well drained with surface pH of 5.0-6.0 and subsoil 5.0-7.5. | Brown or Grey Dermosols | UN.31, UN.33 | 3965.6
Ch | Charlwood | 0.05-0.3 m reddish-brown or dark clay loam to silty clay loam over red light to light medium clay. Well drained with surface pH of 5.8-6.7 and subsoil 5.0-7.2. | Red Dermosols | Gn3.12, Gn3.11 | 222.0
Dd | Durundur | 0.3 m dark over grey clay loam, over yellow medium clay. Well drained with surface pH of 6.0-6.5 and subsoil 8.0-8.8. | Yellow Chromosols | Dy2.23 | 96.2
Ed | Edwards | 0.15 m dark fine sandy clay loam over brown fine sandy clay loam to fine sandy loam at depth. Well drained with soil profile pH of 5.8. | Brown Dermosols | Um5.42 | 4380.9
Ek | Esk | 0.3 m dark over bleached fine sandy loam with tuffaceous pebbles, underlain by tuff. Well drained with soil profile pH of 5.6. | Clastic Rudosols | Uc5.11 | 1083.1
Rl | Royston | 0.1-0.2 m dark or grey silty clay loam over grey or yellow-brown light medium clay, which may grade to fine sandy light clay at depth. Subsoil may have common distinct orange mottles. Well drained with surface pH of 5.5-6.8 and subsoil 5.0-6.7. | Grey Chromosols, Grey Kurosols | Dy2.12, Dy3.11 | 52.4
Sc | Scrubby | 0.15 m reddish-brown over red silty light clay with abundant rock fragments at depth and underlain by rhyolite. Well drained with soil profile pH of 5.9. | Red Dermosols | UR.31 | 10.6
Soils developed on intermediate and basic igneous rocks
Ch | Churchbank | 0.1-0.3 m dark or brown clay loam to light medium clay over red or red-brown light medium to medium clay to yellow-brown or yellow fine sandy clay loam to fine sandy loam to fine sandy light clay at depth. Well drained with surface pH of 4.9-6.5 and subsoil 6.0-9.5. | Red Dermosols | UR.31 | 4013.0
Dr | Deer | 0.1-0.25 m dark clay loam to light medium clay over brown medium clay which may have common distinct orange and pale mottles, underlain by grey or yellow-brown light clay at depth. Well drained with surface pH of 5.0-6.5 and subsoil 6.0-8.8. | Brown Dermosols | UR.31 | 3245.0
Dw | Dunwich | 0.10-0.2 m dark clay loam over brown or yellow-brown medium clay. Well drained with surface pH of 5.8-6.0 and subsoil 8.2-8.7. | Brown or Grey Chromosols | Db3.13, Dy2.13 | 101.0
Jn | Jinna | 0.1-0.2 m dark, cracking light medium to medium clay over grey, yellow-brown or brown light medium clay. Well drained with surface pH of 5.8-7.5 and subsoil 8.5-9.0. | Brown or Grey Vertosols | Ug5.35, Ug5.24 | 453.8
Na | Neara | 0.1-0.25 m dark, non cracking light clay over dark light medium to medium clay to brown or yellow-grey light to light medium clay at depth. Well drained with surface pH of 5.9-6.5 and subsoil 8.0-8.5. | Black Dermosols | UR.32 | 591.6
Ok | Oaky | 0.1-0.15 m dark clay loam over red-brown medium clay with common distinct dark or grey mottles, underlain by brown or yellow sandy light clay to light medium clay. Well drained with soil profile pH of 5.5-7.0. | Red Chromosols | Dr3.12 | 158.3
Pd | Paddy | 0.1 m dark silty loam over brown light medium clay. Well drained with soil profile pH of 5.7-6.4. | Brown Chromosols | Db1.11 | 78.8
St | Stibbes | 0.1 m dark over shallow red-brown clay loam. Well drained with soil profile pH of 6.0. | Orthic Tenosols | Um5.51 | 12622.8
Miscellaneous Units
DAM Dam 373.1
LAK Lake 635.0
DDE Drainage Depression 5.6
STC Stream Channel 427.7
DLC Disturbed Land Crayfish 10.5
DLP Disturbed Land Prawn 42.4
DLQ Disturbed Land Quarry 22.9
DLU Urban 279.0
E Erosion Scar 3.6
ROC Rock Outcrop 2757.3
SCA Scarp 30.5
SWP Swamp 183.1
891 UMA (Unique map area number)
LANDFORM
Symbol | Relief-Modal Class# | Description
LP | Level Plains | <9m relief and <1% slope
GP | Gently Undulating Plains | <9m relief and 1-3% slope
UP | Undulating Plain | <9m relief and 3-10% slope
GR | Gently Undulating Rises | 9-30m relief and 1-3% slope
UR | Undulating Rises | 9-30m relief and 3-10% slope
UL | Undulating Low Hills | 30-90m relief and 3-10% slope
R,R | Rolling Rises | 9-30m relief and 10-15% slope
R,L | Rolling Low Hills | 30-90m relief and 10-15% slope
R,H | Rolling Rises | 3-30m relief and 15-20% slope
R,LH | Rolling Low Hills | 30-90m relief and 15-20% slope
R,R | Rolling Rises | 9-30m relief and 20-32% slope
R,L | Rolling Low Hills | 30-90m relief and 20-32% slope
R,H | Rolling Hills | 90-300m relief and 20-32% slope
SH | Steep Hills | 90-300m relief and 32-56% slope
VH | Very Steep Hills | 90-300m relief and 56-100% slope
SM | Steep Mountains | >300m relief and 32-56% slope
VM | Very Steep Mountains | >300m relief and 56-100% slope
* Soil Profile Class (McDonald 1975). Where more than one SPC is mapped the subdominant (which occupy 30-50% of the area. Where a soil is less than 1.0 m deep, the number following the soil symbol indicates the depth phase: 1=0.25-0.5 m, 2=0.5-0.75 m & 3=0.75-1.0 m
# Australian Soil Classification (Isbell, 1996)
* Main Principal Soil Profile Forms (Northcote, 1979)
# Relief-Modal Slope as defined by Speight in McDonald et al.(1990)
INTENSITY STATEMENT
This is a medium intensity land resource assessment. The assessment was based on aerial photograph interpretation and ground verification of the order of one observation to an area of about 60 hectares, with the exclusion of the steep to very steep areas. Most of the observations were concentrated on the agricultural potential areas.
Areas with only have accuracy of 1 : 100 000 scale or smaller.
SURVEY by J.K.Lot, Department of Natural Resources and Mines, Brisbane.
CARTOGRAPHY by Sheryl F. Crofts, Department of Natural Resources and Mines, Brisbane.
BASE MAP Digital Cadastral Data Base, Department of Natural Resources and Mines, 2001
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LAND RESOURCE ASSESSMENT OF THE BOONAH AREA
SOILS AND LANDFORM
NR&M Ref No. BNH-I-P 3372