



DIGITAL PHOTOGRAPHY DETAILS		
LOCATION	DETAILS	FILENAME (*.jpg)
A	360° Overview, Top of Ramp	G830002_01 to G830002_08
B	360° Overview, Toe of Ramp	G830002_09 to G830002_16
C	360° Overview, Survey Area	G830002_17 to G830002_24
D	Overview, East Side	G830002_25 to G830002_29
E	Overview, West Side	G830002_30 to G830002_34
F	Overview, South East Side	G830002_35 to G830002_37
G	Overview, South West Side	G830002_38 to G830002_40

Symbol Indicates Approximate Location and Direction

DINGO BEACH CAPE GLOUCESTER (BOWEN): SEMIDIURNAL TIDAL PLANE Metres above/below AHD					
LAT	MLWS	AHD	MSL	MHWS	HAT
-1.75	-1.09	0.000	-0.01	1.05	1.94

Notes: - LAT/AHD Separation based on RL's at PM183084 of 5.217m LAT (TS100963), and 3.467m AHD (Auspos Report #1000)
 - Additional values for the semidiurnal table taken from Queensland Tide Tables 2016 Bowen applying a ratio of 0.988
 - Ratio 0.988 determined by LAT datum transfer and tidal analysis undertaken by MSG Tidal Department based on 9 days of tidal data (TS100963)

SURVEY CONTROL - MGA Zone 55 (GDA94)					
STATION	EASTING	NORTHING	RL (AHD)	COMMENTS	
PM 183084	656732.174	7777809.355	3.467	Hz: Auspos 13/04/16 (Report #1000) Vz: Auspos 13/04/16 (Report #1000)	
PM 183085	656649.381	7777781.186	3.889	Hz: Auspos 21/04/16 (Report #1004) Vz: Level Run 13/04/16 (PM 183084)	
RM1 - NIC	656717.65	7777826.21	3.040	Hz: RTK 13/04/16 (PM 183084) Vz: Level Run 13/04/16 (PM 183084)	
PM 118606	657728.099	7777670.979	4.439	Hz: HU 0.022m SCDB (GLD ANJ 16.3) Vz: 4/D SCDB (Pub 15/01/05)	

NOTES:
 1) Contours are computer generated to Hydrographic Standard (inclusive)
 2) Soundings coloured to 1.0m and for clearance purposes
 3) Coastline digitised from aerial photography is approximate only
 4) AHD/LAT separation based on PM 183084 RL 3.467m AHD from Auspos Report #1000 and RL 5.217m LAT from TS100963. Additional semidiurnal tidal plane values taken from MSG Tide Tables 2016 (Bowen)
 5) LAT datum transfer completed by MSG Tidal Department based on 9 days of tidal data (TS100963)
 6) Horizontal and vertical datum based on PM 183084 Auspos V2.2 (Report #1000)
 7) Horizontal and vertical position check carried out over PM 118606 (Hz: HU 0.022m, Vz: 4/D)
 8) Cadastral boundaries have been sourced from the Digital Cadastral Database (DCDB) and are approximate only. They should not be used for reinstatement of setout. For actual property boundaries consult a licenced cadastral surveyor

Horizontal Datum		MGA Zone 55 (GDA94)	
Base Station	Easting	Northing	
PM 183084	656732.174	7777809.355	
Vertical Datum		AHD based on PM 183084 RL 3.467m	
Tide Notes			
Vertical control referenced to PM 183084 RL (3.467m AHD)			
See Notes			
Depth Tolerance	0.2m	Horizontal Tolerance	1.5m
Weather	10-15 knots SE	Tidal Reference Station	TS100963

Vessel		GG Marion	
ECHO SOUNDER		CEESCOPE 100	
HEAVENMEETER		Novatel 62B RTK-GPS	
Horizontal Positioning		Novatel 62B RTK-GPS Leica GS10 RTK-GPS	
Data Collection/Processing		Hydack 2016 TerraModel 10.61J	
Tidal Reference Station		TS100963	

SCALE 1 : 250 AT A1

Signature:
 Hydrographic Surveyor: P Finger
 Checked: D Ning

CLASS: N/A
 CLIENT: PMD

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BOWEN
DINGO BEACH BOAT RAMP INVESTIGATION
 HYDROGRAPHIC AND LAND DETAIL SURVEY
 22 APRIL 2016

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 Job No: BWO40001
 Plan No: **G830-002**

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