



SURVEY CONTROL - MGA94 Zone55 (GDA94)					
STATION	EASTING	NORTHING	RL (AHD)	COMMENTS	
CG01 - Screw in Rock	655984.995	7778761.228	2.381	Hz: RTK 15/04/16 (PM 183084) Vz: RTK 15/04/16 (PM 183084)	
RM1 - Screw in Rock	656179.05	7778907.67	2.845	Hz: RTK 18/04/16 (CG01) Vz: Level Run 20/04/16 (CG01)	
PM 86582	655529.405	7778563.103	14.680	Hz: SCDB HU 0.022m (GLD ANU 16.3) Vz: SCDB 4/D (Pub: 07/05/03)	
PM 183084	656732.174	7777809.355	3.467	Hz: Auspos 13/04/16 (Report #1000) Vz: Auspos 13/04/16 (Report #1000)	

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 MSD Tidal Department based on 9 days of tidal data (TS100963)

DIGITAL PHOTOGRAPHY DETAILS		
LOCATION	DETAILS	FILENAME (*.jpg)
A	4WD Dirt Track, Mainland	G830004_01 to G830004_03
B	4WD Dirt Track	G830004_04
C	4WD Dirt Track	G830004_05
D	4WD Dirt Track, Edge of Vege	G830004_06 to G830004_08
E	360° Overview, Island Access	G830004_09 to G830004_15
F	Island Access, Vehicular Track	G830004_16
G	Island Access, Vehicular Track	G830004_17
H	Island Access, Vehicular Track	G830004_18 to G830004_19
I	Vehicular Track to Proposed BR Site	G830004_20
J	Overview, Proposed BR Site / RM1	G830004_21 to G830004_22
K	Edge of Water, Proposed BR Site	G830004_23
L	Blocked Track, Mangroves	G830004_24 to G830004_25
M	Survey Mark CG01	G830004_26 to G830004_27

Photo Symbol Indicates Approximate Location and Direction

NOTES:
 1) Contours are computer generated to Hydrographic Standard (inclusive)
 2) Soundings coloured to 1.0m AHD 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 MSD Tide Tables 2016 (Bowen)
 5) LAT datum transfer completed by MSD Tidal Department based on 9 days of tidal data (TS100963)
 6) Horizontal and vertical datum based on Leica GS10 RTK-GPS (Sinn 100, origin PM 183084) and referenced to CG01
 7) Horizontal and vertical position check carried out over PM 86582 (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 or set-out. For actual property boundaries consult a licenced cadastral surveyor

Horizontal Datum		MGA Zone 55 (GDA94)		Vessel	
CG01	Easting	655984.995	7778761.228	GG Marion	
Vertical Datum	AHD based on	PM 183084 RL 3.467m		Echo Sounder	CEESCOPE 100
Tide Notes	Vertical control referenced to CG01 (RL 2.381m AHD) See Notes				
Depth Tolerance	0.2m	Horizontal Tolerance	1.5m	Weather	10-15 knots SE

SOUNDINGS (m)		LEVELS (m)	
2.5	below datum	0.0	above datum
0.7	above datum	0.0	below datum

CLASS		CLIENT	
N/A		PMD	

Queensland Government
HYDROGRAPHIC SERVICES

BOWEN
BLACK CURRANT ISLAND BOAT RAMP INVESTIGATION
HYDROGRAPHIC AND LAND DETAIL SURVEY
22 APRIL 2016

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Job No: BW040001
Plan No: **G830-004**
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