



MOORING - MGA Zone 56 (GDA2020)					
NAME	EASTING	NORTHING	ORIGIN	CHECKED	
Id 2287 - GH004	321384	7363474	F510-043	16/08/2023 MB	
Id 2288 - GH005	321316	736351401	F510-043	16/08/2023 MB	
Id 2289 - GH006	321210	7363580	F510-043	16/08/2023 MB	

SURVEY CONTROL - MGA Zone 56 (GDA2020)					
STATION	EASTING	NORTHING	LAT	COMMENT	
PM183099	320994.078	7363984.916	-	Hz: SCDB HU 0.015m (GLD ANJ 23.05)	

NAVIGATION AIDS - MGA Zone 56 (GDA2020)					
NAV AID	EASTING	NORTHING	ORIGIN	CHECKED	
A11 Buoy	321958	7363349	2/11/2022 MB	-	
A12 Buoy	322055	7363308	2/11/2022 MB	-	
Std Ent Bn	321864.5	7363125.8	05/12/19 MB	16/08/2023 MB	
Port Ent Bn	321862.5	7363024.8	05/12/19 MB	-	
AB (PEL)	322262.47	7363614.61	28/09/21 MB	-	
Rear Lead	322575.09	7363267.31	6/3761-06 Asccon	-	

DREDGE LIMITS - MGA Zone 56 (GDA2020)		
POINT	EASTING	NORTHING
AM1	322059	7363321
AM2	321945	7363023
AM3	321829	7363023
AM4	321627	7363092
AM5	320776	7363204
AM6	320821	7363557
AM7	321045	7363843
AM8	321689	7363353
AM9	321685	7363201
AM10	321747	7363143
AM11	321851	7363107
AM12	321903	7363141
AM13	321990	7363369

**NOTES:**  
 1) This survey meets the mandatory class requirements as outlined in the MSD document 'Standards for Hydrographic Surveys within Queensland Waters v1.3'.  
 2) Contours are computer generated to hydrographic standards (inclusive).  
 3) Soundings colour coded at 4m (LAT) for clearance purposes.  
 4) All mooring piles in survey area positioned on the 9th March 2021 using Leica 123000 RTK GPS.  
 5) Coastline obtained from aerial photography is approximate only.  
 6) Multi-beam data was collected using Hologram SVP 4.11.18 format.  
 7) Multi-beam data was collected using Hologram SVP 4.11.18 format.  
 8) Editor v5.5.38. Surface name 'Pro\_058\_2023\_Curve\_211NAI.csv'.  
 9) Detail survey was done in 10m intervals supplied by GPC.  
 10) Clinton Channel Leads True Bearing calculated using g10 convergence of -0° 42' 34" applied at 321100.46 N 7364882.90.  
 11) Refer to plan F504-088 for AB sector light information.

<b>Horizontal Datum</b>	MGA Zone 56 (GDA2020)
<b>Base Station</b>	HxGN SmartNet Corrections - IMAX Network Solution (MSM_IMAX)
<b>Vertical Datum</b>	LAT based on SEE NOTES
<b>Tide Notes</b>	Soundings reduced to datum using RTK-GNSS observations and MSD LAT ellipsoid model. See Notes For tidal datum information please contact MSD tidal unit (tidal@msd.qld.gov.au)
<b>Depth Tolerance</b>	0.15m
<b>Horizontal Tolerance</b>	1.5m
<b>Weather</b>	15 kts SE

<b>Vessel</b>	QS Norfolk
<b>Echo Sounder</b>	Kongsberg EK6040C Dual Head (320kHz)
<b>Heave meter</b>	Applanix PosMV v5.0 Pk v11.58 Sk v11.21
<b>Horizontal Positioning</b>	Applanix PosMV v5.0 Pk v11.58 Sk v11.21 HxGN SmartNet Corrections
<b>Data Collection/Processing</b>	MSD v11.4 Hologram Editor v5.5.38 /msd.qld.gov.au
<b>Tidal Reference Station</b>	TS 052027A

<b>SOUNDINGS (m)</b>	2.5 below datum
	0.7 above datum
<b>LEVELS (m)</b>	0.9 above datum
	2.3 below datum
<b>CLASS</b>	A
<b>CLIENT</b>	Gladstone Ports Corporation

**SCALE 1 : 2000 AT A1**

0 20 100 200

**Signature**  
 Hydrographic Surveyor  
 R Ghazanfar  
 Checked  
 D Ning

**Queensland Government**  
**HYDROGRAPHIC SERVICES**  
 Ph: 07 5568 5550  
 Email: hydro@mqd.qld.gov.au

**PRELIMINARY COPY**

**GLADSTONE AUCKLAND CREEK MARINA**  
 POST-DREDGE HYDROGRAPHIC SURVEY  
 20 SEPTEMBER 2023

**Pro\_058**

Plot File: Pro\_058\_Auckland MarinaP1.PDF  
 Job No.: GL020120  
 Plan No.:  
 Copyright The State of Queensland 2023 (Transport and Main Roads)