



### HYDROGRAPHIC SURVEY

HUNGRY POINT TO GÖGERLYS POINT -  
PORT HACKING - OCTOBER 2021

1:2,000  
at A4 sheet size

0 20 40 60 80 100  
Metres

DATUM:  
Soundings are in metres and decimetres reduced to zero on the  
Port Denison Tide Gauge (ZPD70).  
This zero is 0.925 metres below Australian Height Datum  
1971 (AHDT1).  
Undertide figures are drying heights in metres and decimetres  
above ZPD70.  
This plan is produced on the Geocentric Datum of Australia 1984  
(GDA84).  
The map projection is Map Grid of Australia (MGA) zone 56.

SURVEY INFORMATION:  
Sounded by Echo Sounder: Date of Survey:  
OCEM CUV3 18-21/10/2021  
Navigation & Processing System: Position & Tides by:  
HYPACK HxGN SmartNet RTK GNSS

GIS SPECIALIST

HYDROGRAPHIC SURVEYOR

SURVEY MANAGER

DATUM DIAGRAM

Australian Height Datum (AHDT1)

Port Datum (ZPD70) 0.925m

Depth

Port Bed 0.925m

DISCLAIMER  
This plan has been produced by Transport for NSW, Maritime Branch  
for internal purposes.  
No warranty or representation, express or implied, is made to any other  
party regarding the accuracy or otherwise of this plan.  
This plan should not be relied upon for other purposes as it may not contain  
sufficient information for that purpose of use.

LOCALITY SKETCH

LEGEND

Navigation Aids

- Lit Port - Beacon with TM
- Lit Port Buoy - No Top Mark
- Lit Starboard - Beacon with TM
- Lit Sbd Buoy - No Top Mark
- Lit east - cardinal beacon
- Lit north - cardinal beacon
- Lit special - mark beacon
- Lit sbd. beacon - no top mark
- Port - Aqua Buoy
- Starboard pipe - beacon

Depth

-1 to 0 metres	6 to 7 metres
0 to 1 metres	7 to 8 metres
1 to 2 metres	8 to 9 metres
2 to 3 metres	9 to 10 metres
3 to 4 metres	10 to 11 metres
4 to 5 metres	11 to 12 metres
5 to 6 metres	Greater than 12 metres

Aerial Image: © Nearmap  
Date: 06/10/2021  
Contour interval: 1m

NOTES:  
Aids to navigation shown on this plan may not have been  
verified as part of this hydrographic survey. The positions of  
aids to navigation shown hereon are plotted from coordinates  
held in the Maritime spatial database.  
Contours have been derived from filtered soundings and have  
been smoothed for the purpose of clarity of presentation on  
the plan.  
In some areas the location of the smoothed contours may not  
always agree with the adjacent soundings.  
The actual soundings should always be used for any  
subsequent analysis.

Previous Plan: 717 - 021 | 01  
Date printed: 15/11/2021

**717 - 027 | 01**

OFFICIAL

SHEET 1 OF 2 SHEETS



# HYDROGRAPHIC SURVEY

## HUNGRY POINT TO GOGERLYS POINT - PORT HACKING - OCTOBER 2021

1:2,000  
at sheet size

0 20 40 60 80 100  
Metres

DATUM:  
Soundings are in metres and decimetres reduced to zero on the Port Denison Tide Gauge (PDTCG).  
This zero is 0.925 metres below Australian Height Datum 1971 (AHD71).  
Undertied figures are drying heights in metres and decimetres above 2.25 T.S.  
  
This plan is produced on the Geocentric Datum of Australia 1984 (GDA84).  
The map projection is Map Grid of Australia (MGA) zone 56.

SURVEY INFORMATION:  
Sounded by Echo Sounder: Date of Survey: 18-21/10/2021  
Datum: ODNM CNA  
Navigation & Processing System: Position & Tides by: HxGN SmartNet RTK GNSS  
HYPACK

ALAN BULL  
GIS SPECIALIST

[illegible]  
HYDROGRAPHIC SURVEYOR

SURVEY MANAGER  
DATUM DIAGRAM

Australian Height Datum (AHD71)

Port Datum (PDTCG) 0.925m  
Port Bed 0.025m

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COSTA MARINE should not be relied upon for other purposes as it may not contain suitable information for that purpose or use.

LOCALITY SKETCH

LEGEND

Navigation Aids

- Lit Port - Beacon with TM
- Lit Port Buoy - No Top Mark
- Lit Special Mark - Can Buoy NTM
- Lit Starboard - Beacon with TM
- Lit Sbd Buoy - No Top Mark
- Lit east - cardinal beacon
- Lit north - cardinal beacon
- Lit special - mark beacon
- Lit west - cardinal beacon
- North cardinal - pile beacon

Depth

6 to 7 metres
7 to 8 metres
8 to 9 metres
9 to 10 metres
10 to 11 metres
11 to 12 metres
Greater than 12 metres

Aerial Image: © Nearmap  
Date: 08/10/2021  
Contour interval: 1m

NOTES:  
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Previous Plan: 717 - 021 | 01  
Date printed: 15/11/2021

# 717 - 027 | 01

OFFICIAL

SHEET 7 OF 2 SHEETS  
08/20/2021 10:30:14