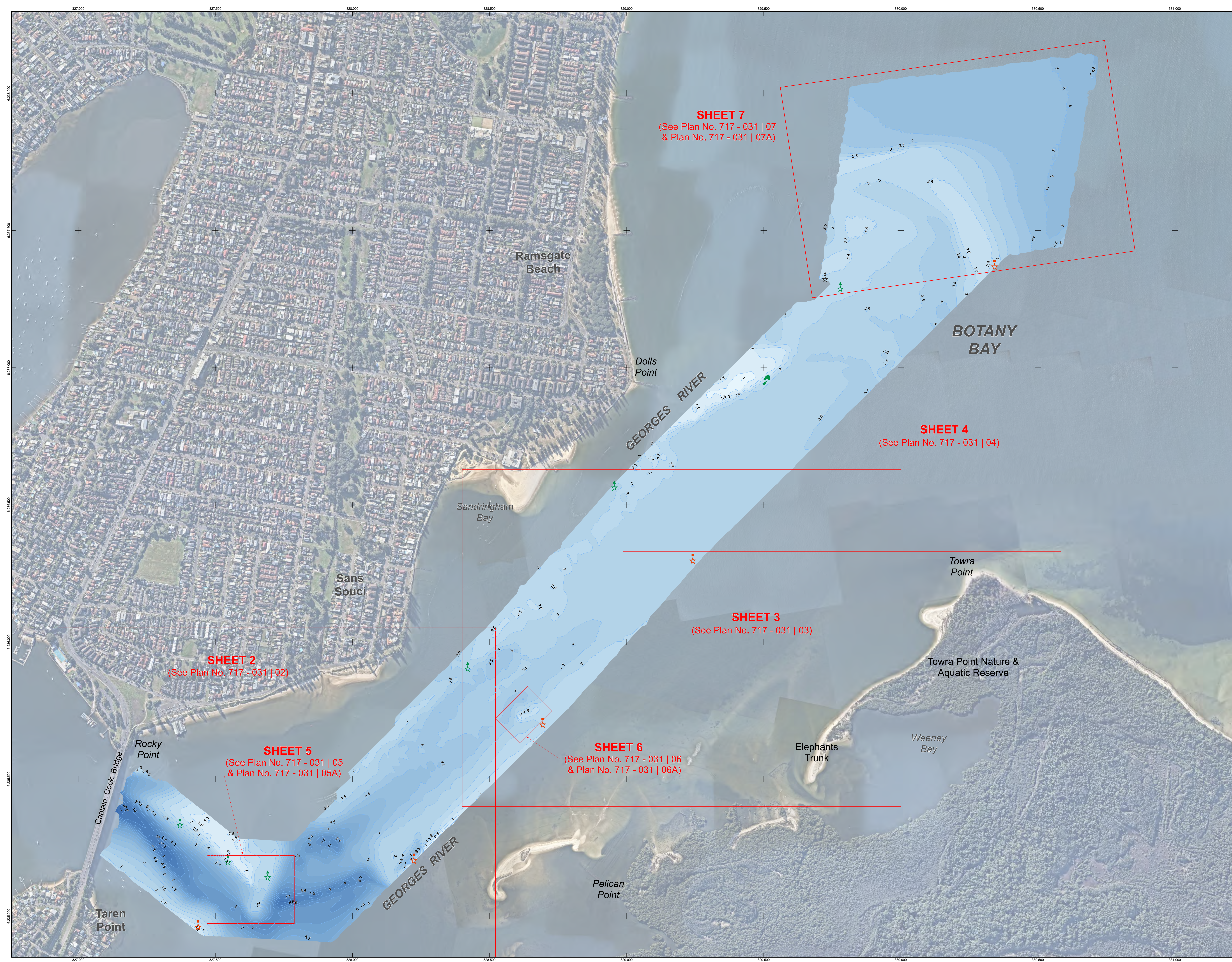
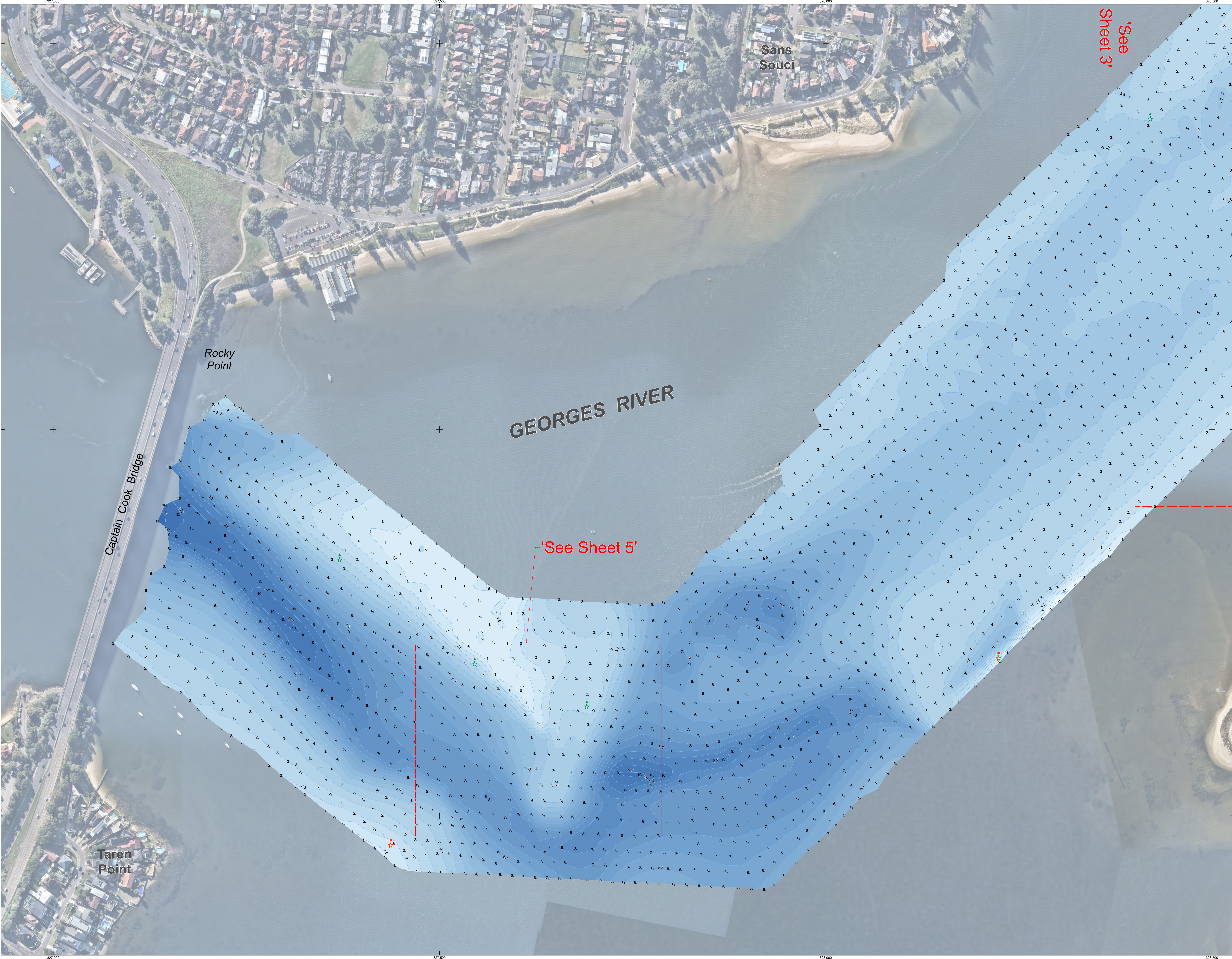






HYDROGRAPHIC SURVEY

GEORGES RIVER CHANNEL BETWEEN CAPTAIN COOK BRIDGE & BOTANY BAY

FEBRUARY 2022

1:1,500
at A4 sheet size

0 25 50 75 100
Metres

DATUM:
Soundings are in metres and decimetres reduced to zero on the Port Denison Tide Gauge (PDOTG).
This zero is 0.925 metres below Australian Height Datum 1971 (AHD71).
Underlined figures are drying heights in metres and decimetres above 2.25 t.s.
This plan is produced on the Geocentric Datum of Australia 1994 (GDA94).
The map projection is Map Grid of Australia (MGA) zone 56.

SURVEY INFORMATION:
Sounded by Echo Sounder: Date of Survey: 21-24/02/2022
CEESCOPE
Navigation & Processing System: Position & Tides by: H&C's SmartNet RTK CNS
Field Book: 717-031

GIS SPECIALIST

HYDROGRAPHIC SURVEYOR

SURVEY MANAGER

DATUM DIAGRAM

Australian Height Datum (AHD71)

Port Datum (PDOTG)

Depth

Port Bed

DISCLAIMER
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LOCALITY SKETCH

LEGEND

Aid to Navigation

- Li Port - Beacon with TM
- Li Starboard - Beacon with TM

Depth

0 to 0.5 metres	5.5 to 6 metres
0.5 to 1 metres	6 to 6.5 metres
1 to 1.5 metres	6.5 to 7 metres
1.5 to 2 metres	7 to 7.5 metres
2 to 2.5 metres	7.5 to 8 metres
2.5 to 3 metres	8 to 8.5 metres
3 to 3.5 metres	8.5 to 9 metres
3.5 to 4 metres	9 to 9.5 metres
4 to 4.5 metres	9.5 to 10 metres
4.5 to 5 metres	10 to 10.5 metres
5 to 5.5 metres	10.5 to 11 metres
	Greater than 11 metres

Aerial Image: © Neamap
Date: 9th June 2025

Contour interval: 0.5m

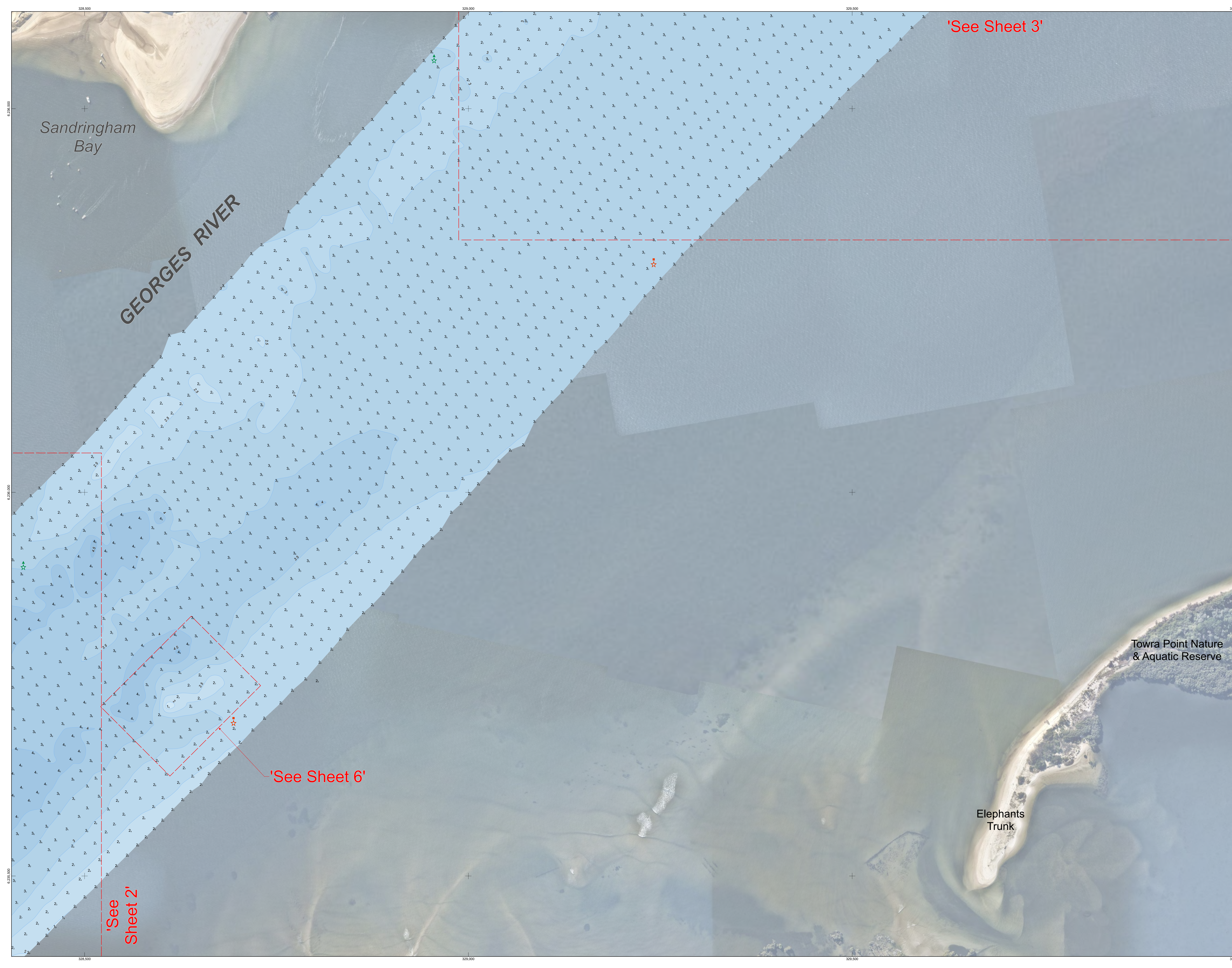
NOTES:
Please be advised that the aids to navigation (AtoN) shown on this plan may not have been verified as part of this hydrographic survey.
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Soundings shown are shoal based in true position and have been filtered for ease of interpretation.

Previous Plan: Date printed: 9/09/2025

717 - 031 | 02

SHEET 2 OF 7 SHEETS

OFFICIAL





HYDROGRAPHIC SURVEY
GEORGES RIVER CHANNEL BETWEEN
CAPTAIN COOK BRIDGE & BOTANY BAY
FEBRUARY 2022



1:1,500
at A4 sheet size

0 25 50 75 100
Metres

DATUM:
Soundings are in metres and decimetres reduced to zero on the
Port Denison Tide Gauge (ZPDIG).
This zero is 0.925 metres below Australian Height Datum
1971 (AHDT1).
Underlined figures are drying heights in metres and decimetres
above 2.50 T.S.
This plan is produced on the Geocentric Datum of Australia 1994
(GDA94).
The map projection is Map Grid of Australia (MGA) zone 56.

SURVEY INFORMATION:
Sounded by Echo Sounder: Date of Survey: 21-24/02/2022
CEESCOPE
Navigation & Processing System: Position & Tides by: HADN SmartNet RTK CINS
Field Book: 717 - 031

Alan Smith
GIS SPECIALIST

John Smith
HYDROGRAPHIC SURVEYOR

SURVEY MANAGER

DATUM DIAGRAM

Australian Height Datum (AHDT1)
Port Datum (ZPDIG)
Depth
Port Bed

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and the information contained in it.

LOCALITY SKETCH



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2020

LEGEND

Aid to Navigation
Lit Port - Beacon with TM
Lit Starboard - Beacon with TM

Depth

0 to 0.5 metres	5.5 to 6 metres
0.5 to 1 metres	6 to 6.5 metres
1 to 1.5 metres	6.5 to 7 metres
1.5 to 2 metres	7 to 7.5 metres
2 to 2.5 metres	7.5 to 8 metres
2.5 to 3 metres	8 to 8.5 metres
3 to 3.5 metres	8.5 to 9 metres
3.5 to 4 metres	9 to 9.5 metres
4 to 4.5 metres	9.5 to 10 metres
4.5 to 5 metres	10 to 10.5 metres
5 to 5.5 metres	10.5 to 11 metres
	Greater than 11 metres

Aerial Image: © Neamap
Date: 09 June 2025

Contour interval: 0.5m

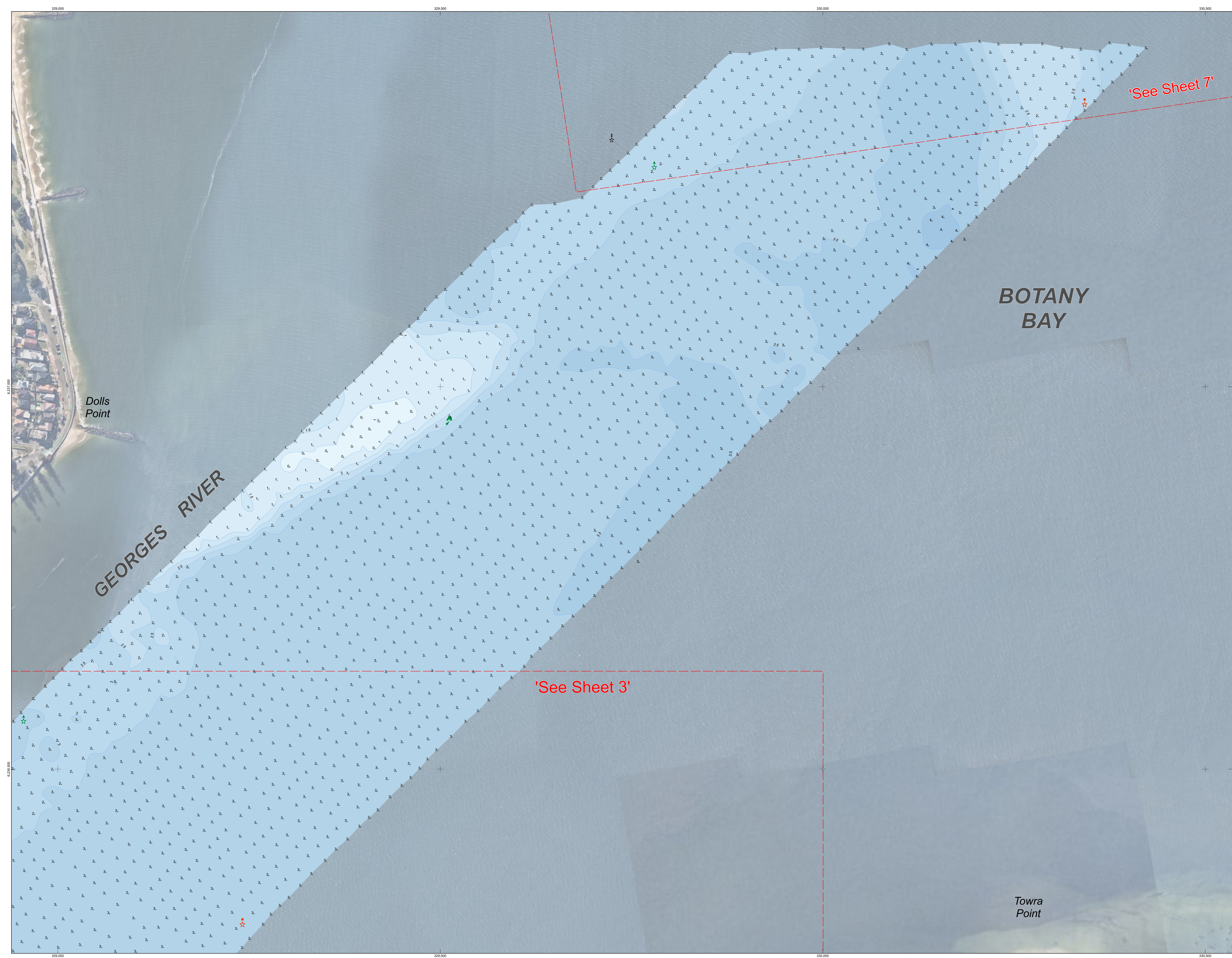
NOTES:
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Soundings shown are shoal based in true position and have been
filtered for ease of interpretation.

Previous Plan: Date printed: 9/09/2025

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OFFICIAL

SHEET 2 OF 7 SHEETS



6 235 000

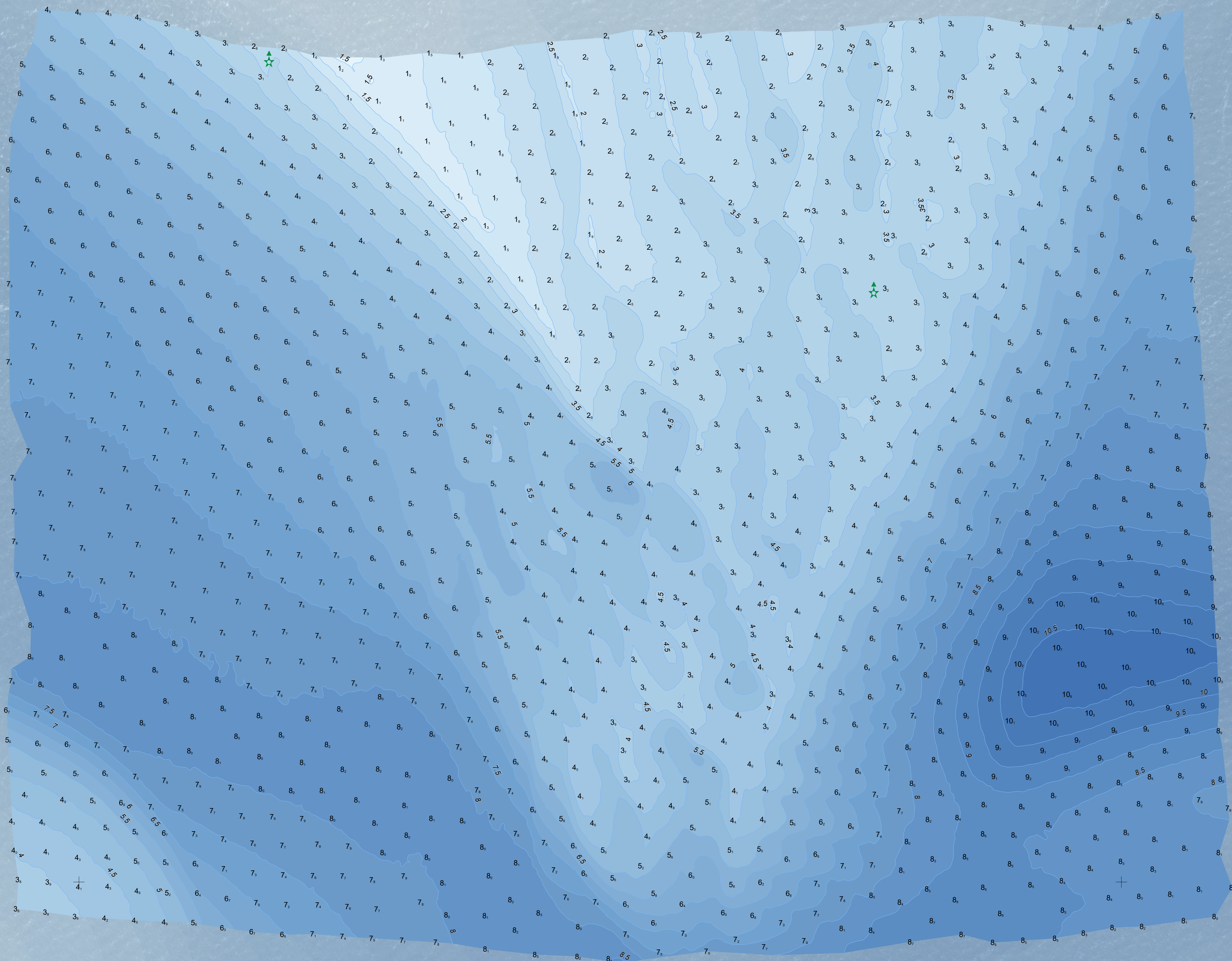
6 235 000

327 500

327 750

'See Sheet 2'

'See Sheet 2'





HYDROGRAPHIC SURVEY

GEORGES RIVER CHANNEL BETWEEN
CAPTAIN COOK BRIDGE & BOTANY BAY
JUNE 2022



1:500
at A4 sheet size

0 10 20 30
Metres

DATUM:
Soundings are in metres and decimetres reduced to zero on the Port Denison Tide Gauge (ZPDOTG).
This zero is 0.925 metres below Australian Height Datum 1971 (AHD71).
Underlined figures are drying heights in metres and decimetres above ZPDOTG.
This plan is produced on the Geocentric Datum of Australia 2020 (GDA2020).
The map projection is Map Grid of Australia (MGA) zone 56.

SURVEY INFORMATION: Sounded by Echo Sounder: MBES - Reikon T50 Navigation & Processing System: Coda & Coda Field Book: 717 - 031	Date of Survey: 16-22/06/2022 Position & Tides by: HAGN SmartNet RTK CANS
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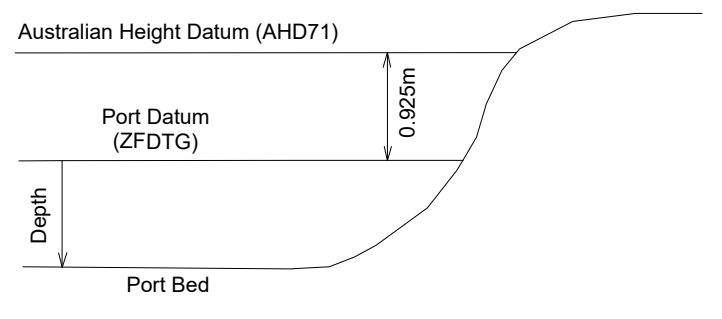


SURVEY MANAGER



HYDROGRAPHIC SURVEYOR

DATUM DIAGRAM



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LOCALITY SKETCH



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LEGEND

Aid to Navigation
Lit Port - Beacon with TM
Lit Starboard - Beacon with TM

Depth

0.5 to 1 metres	6 to 6.5 metres
1 to 1.5 metres	6.5 to 7 metres
1.5 to 2 metres	7 to 7.5 metres
2 to 2.5 metres	7.5 to 8 metres
2.5 to 3 metres	8 to 8.5 metres
3 to 3.5 metres	8.5 to 9 metres
3.5 to 4 metres	9 to 9.5 metres
4 to 4.5 metres	9.5 to 10 metres
4.5 to 5 metres	10 to 10.5 metres
5 to 5.5 metres	10.5 to 11 metres
5.5 to 6 metres	

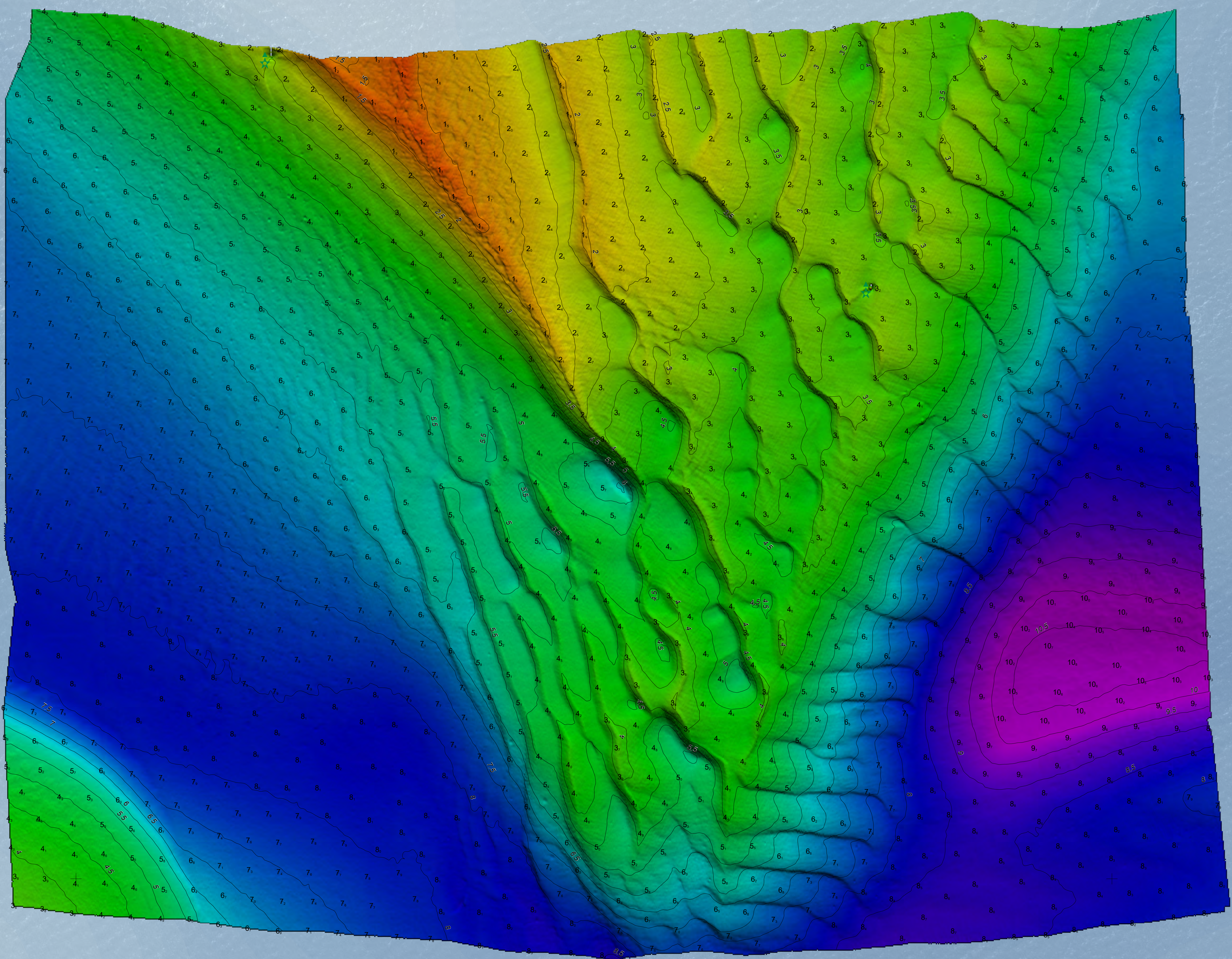
Aerial Image: © Neamap
Date: 09 June 2025
Contour interval: 0.5m

NOTES:
Please be advised that the aids to navigation (AtoN) shown on this plan may not have been verified as part of this hydrographic survey.
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Soundings shown are shoal based in true position and have been filtered for ease of interpretation.

Previous Plan: 717 - 031 | 02
Date printed: 12/09/2025

717 - 031 | 05

SHEET 6 OF 7 SHEETS
OFFICIAL





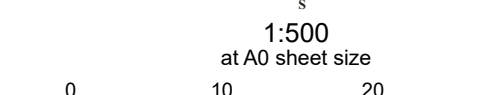
HYDROGRAPHIC SURVEY

Bathymetric Surface and Contours

GEORGES RIVER CHANNEL BETWEEN CAPTAIN COOK BRIDGE & BOTANY BAY

JUNE 2022





1:500
at A0 sheet size

DATUM:

Soundings are in metres and decimetres reduced to zero on the Fort Denison Tide Gauge (ZFDTG). This zero is 0.925 metres below Australian Height Datum 1971 (AHAD71). Underscored figures are drying heights in metres and decimetres above Z.F.D.T.G.

This plan is produced on the Geocentric Datum of Australia 2020 (GDA2020). The map projection is Map Grid of Australia (MGA) zone 56.

SURVEY INFORMATION:

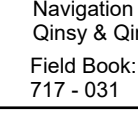
Sounded by Echo Sounder:
MBES - Reson T50

Navigation & Processing System:
Cray & Cima

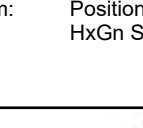
Field Book:
717 - 031

Date of Survey:
16-22/06/2022

Position & Tides by
HCO-SmartNet RTK GNSS



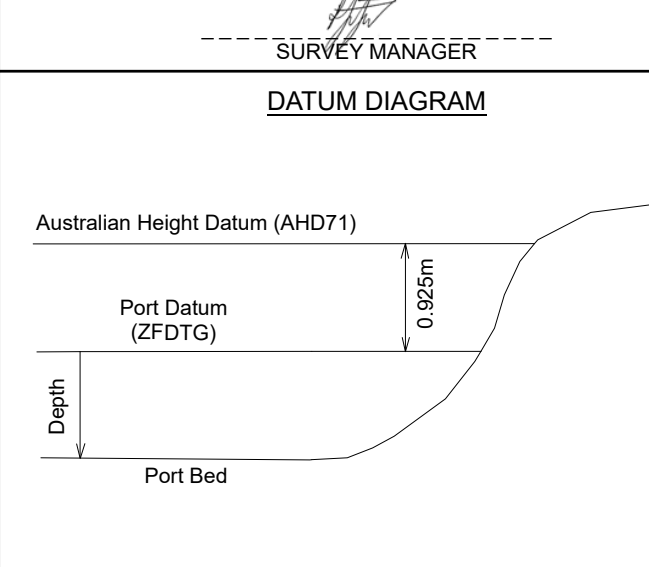
GIS SPECIALIST



HYDROGRAPHIC SURVEYOR

SURVEY MANAGER

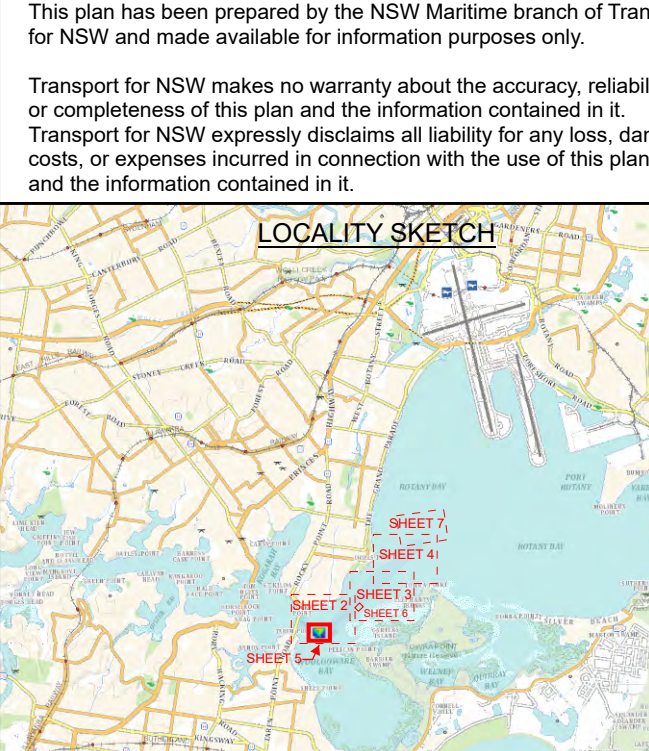
DATUM DIAGRAM



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LOCALITY SKETCH



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LEGEND

Aid to Navigation

-  Lit Port - Beacon with TM
-  Lit Starboard - Beacon with TM

Depth



0 metres

0.25m resolution bathymetric CUBE surface generated from multi-beam echo sounder data.

10 metres

Aerial Image: © Neamap
Date: 5th June 2025

Contour Interval: 0.5m

NOTES:

Please be advised that the aids to navigation (AoN) shown on this plan may not have been verified as part of this hydrographic survey.

The positions of AoN shown hereon are plotted from coordinates held in the Maritime spatial database and due to the dynamic nature of waterways the AoN may be relocated at any time to maintain the best possible channel.

Contours have been derived from filtered soundings and have been smoothed for the purpose of clarity and presentation on the plan. In some areas the location of the smoothed contours may not agree with the adjacent soundings. The actual soundings should always be used for any subsequent analysis.

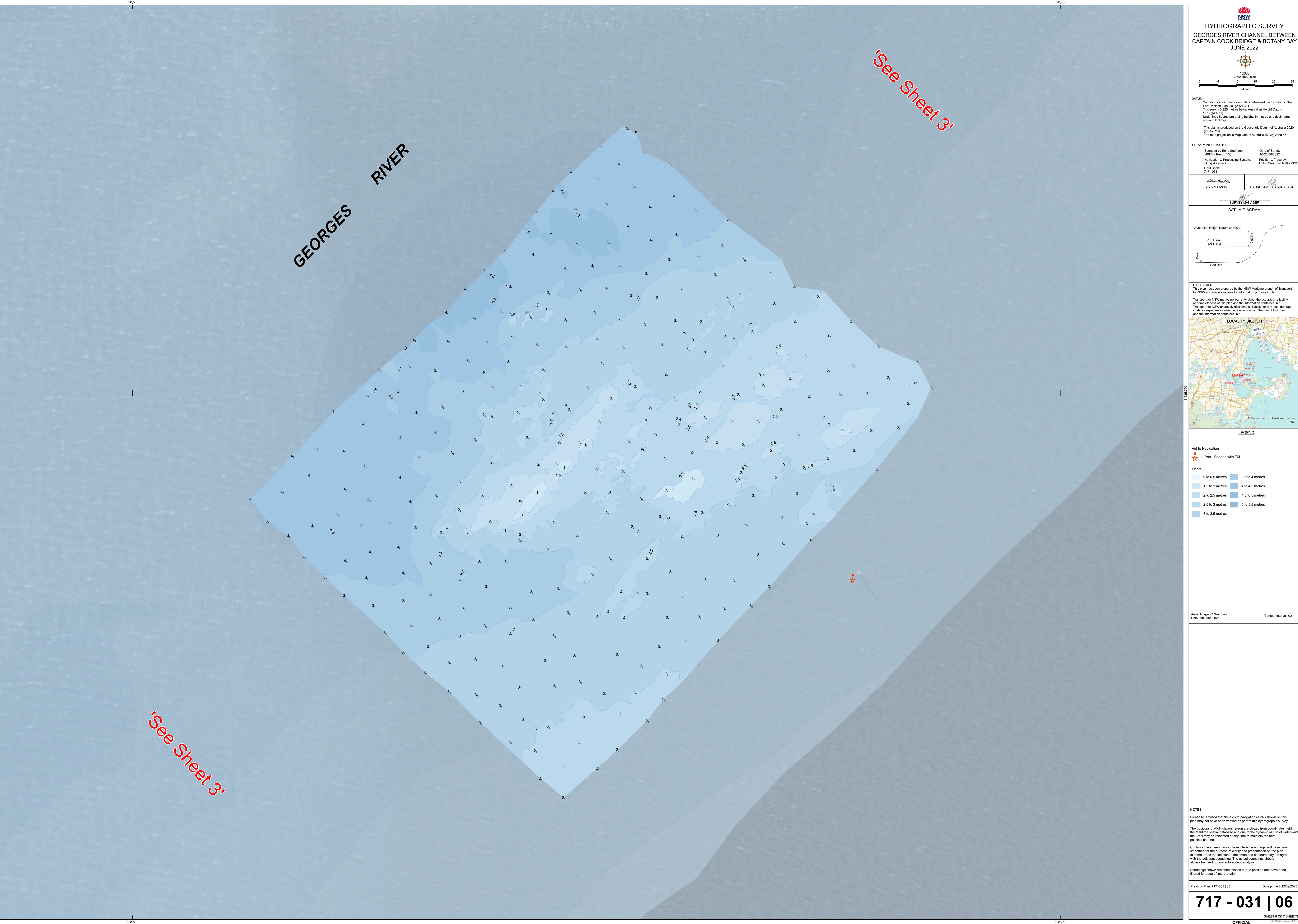
Soundings shown are shoal based in true position and have been filtered for ease of interpretation.

Previous Plan: 717-031 | 02

Date printed: 12/09/2025

717 - 031 | 05A

SHEET 5 OF 7 (SHOAL)

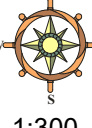




HYDROGRAPHIC SURVEY

GEORGES RIVER CHANNEL BETWEEN CAPTAIN COOK BRIDGE & BOTANY BAY

JUNE 2022



1:300
at A0 sheet size

0 5 10 15 20 25
Metres

DATUM:
Soundings are in metres and decimetres reduced to zero on the Port Denison Tide Gauge (PDOTG).
This zero is 0.925 metres below Australian Height Datum 1971 (AHD71).
Underlined figures are drying heights in metres and decimetres above 2 F.T. 1.0.

This plan is produced on the Geocentric Datum of Australia 2020 (GDA2020).
The map projection is Map Grid of Australia (MGA) zone 56.

SURVEY INFORMATION: Sounded by Echo Sounder: MBES - Reikon T50 Navigation & Processing System: Coda & Coda Field Book: 717 - 031	Date of Survey: 16-22/06/2022 Position & Tides by: HACN SmartNet RTK CNSG
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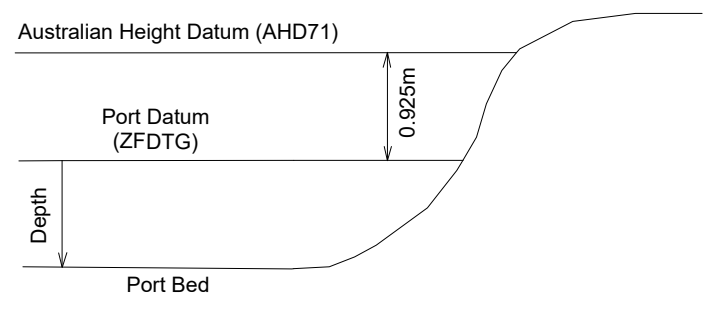


SURVEY MANAGER



HYDROGRAPHIC SURVEYOR

DATUM DIAGRAM



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LOCALITY SKETCH



LEGEND

Aid to Navigation
★ Lit Port - Beacon with TM

Depth

0 to 0.5 metres	3.5 to 4 metres
1.5 to 2 metres	4 to 4.5 metres
2 to 2.5 metres	4.5 to 5 metres
2.5 to 3 metres	5 to 5.5 metres
3 to 3.5 metres	

NOTES:
Please be advised that the aids to navigation (AtoN) shown on this plan may not have been verified as part of this hydrographic survey.

The positions of AtoN shown hereon are plotted from coordinates held in the Maritime spatial database and due to the dynamic nature of waterways the AtoN may be relocated at any time to maintain the best possible channel.

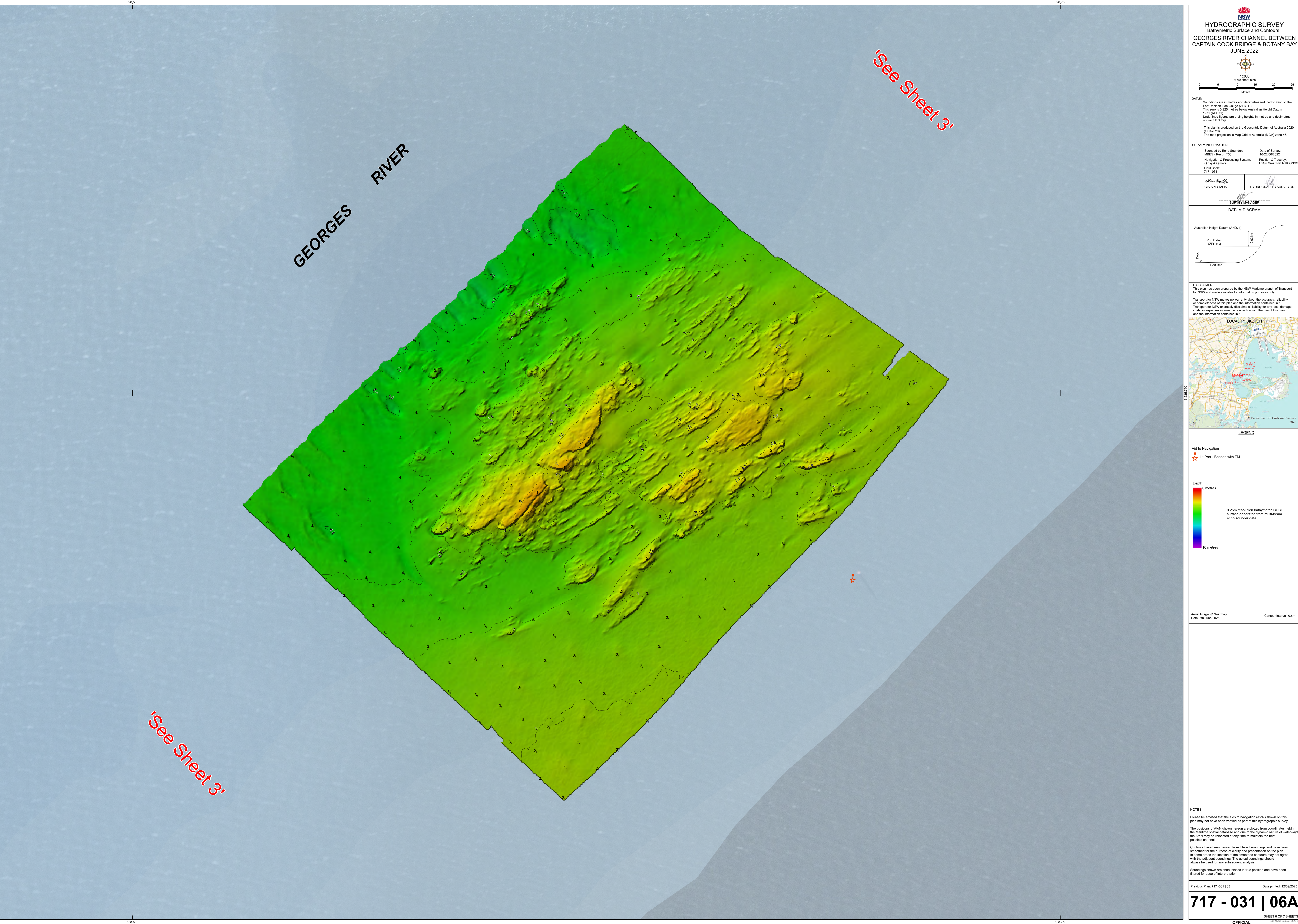
Contours have been derived from filtered soundings and have been smoothed for the purpose of clarity and presentation on the plan. In some areas the location of the smoothed contours may not agree with the adjacent soundings. The actual soundings should always be used for any subsequent analysis.

Soundings shown are shoal biased in true position and have been filtered for ease of interpretation.

Previous Plan: 717 - 031 | 03 Date printed: 12/09/2025

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OFFICIAL SHEET 6 OF 7 SHEETS





HYDROGRAPHIC SURVEY
Bathymetric Surface and Contours
**GEORGES RIVER CHANNEL BETWEEN
CAPTAIN COOK BRIDGE & BOTANY BAY**
JUNE 2022



1:300
at A4 sheet size

0 5 10 15 20 25
Metres

DATUM:
Soundings are in metres and decimetres reduced to zero on the Port Denison Tide Gauge (ZFDTG).
This zero is 0.925 metres below Australian Height Datum 1971 (AHD71).
Underlined figures are drying heights in metres and decimetres above Z.F.D.T.G.

This plan is produced on the Geocentric Datum of Australia 2020 (GDA2020).
The map projection is Map Grid of Australia (MGA) zone 56.

SURVEY INFORMATION:	Date of Survey:
Sounded by Echo Sounder:	16-22/06/2022
MBES - Reikon T50	
Navigation & Processing System:	Position & Tide by:
Garmin & Coda Octopus	HACN SmartNet RTK GNSS
Field Book:	
717 - 031	



GIS SPECIALIST



HYDROGRAPHIC SURVEYOR

SURVEY MANAGER

DATUM DIAGRAM

Australian Height Datum (AHD71)

Port Datum (ZFDTG)

Depth

Port Bed

0.925m

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LOCALITY SKETCH



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LEGEND

Aid to Navigation

★ Lit Port - Beacon with TM

Depth

0 metres

10 metres

0.25m resolution bathymetric CUBE surface generated from multi-beam echo sounder data.

Aerial Image: © Neamap
Date: 09 June 2022

Contour interval: 0.5m

NOTES:
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Previous Plan: 717 -031 | 03 Date printed: 12/09/2025

717 - 031 | 06A

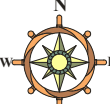
SHEET 6 OF 7 SHEETS

OFFICIAL

BOTANY BAY



HYDROGRAPHIC SURVEY
GEORGES RIVER CHANNEL BETWEEN
CAPTAIN COOK BRIDGE & BOTANY BAY
JUNE 2022



1:1,250
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 (ZPDOTG).
This zero is 0.925 metres below Australian Height Datum
1971 (AHDT1).
Underlined figures are drying heights in metres and decimetres
above ZPDOTG.
This plan is produced on the Geocentric Datum of Australia 2020
(GDA2020).
The map projection is Map Grid of Australia (MGA) zone 56.

SURVEY INFORMATION:
Sounded by Echo Sounder: MBES - Rekon T50 Date of Survey: 16-22/06/2022
Navigation & Processing System: Coda & Coda Position & Tides by: HUGO SmartNet RTK CANS
Field Book: 717 - 031



SURVEY MANAGER



HYDROGRAPHIC SURVEYOR

Australian Height Datum (AHDT1)
Port Datum (ZPDOTG)
Depth
Port Bed

0.925m

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LOCALITY SKETCH



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2020

LEGEND

Aid to Navigation
Lit Port - Beacon with TM
Lit Starboard - Beacon with TM
Lit north - cardinal beacon

Depth
0 to 0.5 metres
2 to 2.5 metres
2.5 to 3 metres
3 to 3.5 metres
3.5 to 4 metres
4 to 4.5 metres
4.5 to 5 metres
5 to 5.5 metres
5.5 to 6 metres

Aerial Image: © Neamap
Date: 09 June 2025

Contour interval: 0.5m

NOTES:
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Soundings shown are shoal based in true position and have been
filtered for ease of interpretation.

Previous Plan: 717 - 031 | 04
Date printed: 12/09/2025

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OFFICIAL

'See Sheet 4'

BOTANY BAY



HYDROGRAPHIC SURVEY
Bathymetric Surface and Contours
GEORGES RIVER CHANNEL BETWEEN
CAPTAIN COOK BRIDGE & BOTANY BAY
JUNE 2022



1:1,250
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 (ZPDOTG).
This zero is 0.925 metres below Australian Height Datum 1971 (AHD71).
Underlined figures are drying heights in metres and decimetres above ZPDOTG.
This plan is produced on the Geocentric Datum of Australia 2020 (GDA2020).
The map projection is Map Grid of Australia (MGA) zone 56.

SURVEY INFORMATION: Sounded by Echo Sounder: MBES - Rekon T50 Navigation & Processing System: Coda & Coda Field Book: 717 - 031	Date of Survey: 16-22/06/2022 Position & Tides by: HAGN SmartNet RTK CANS
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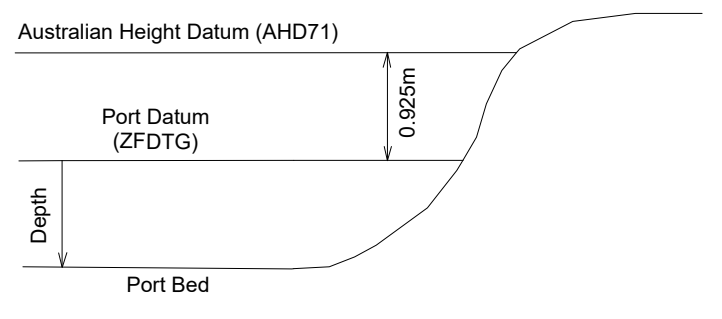


SURVEY MANAGER



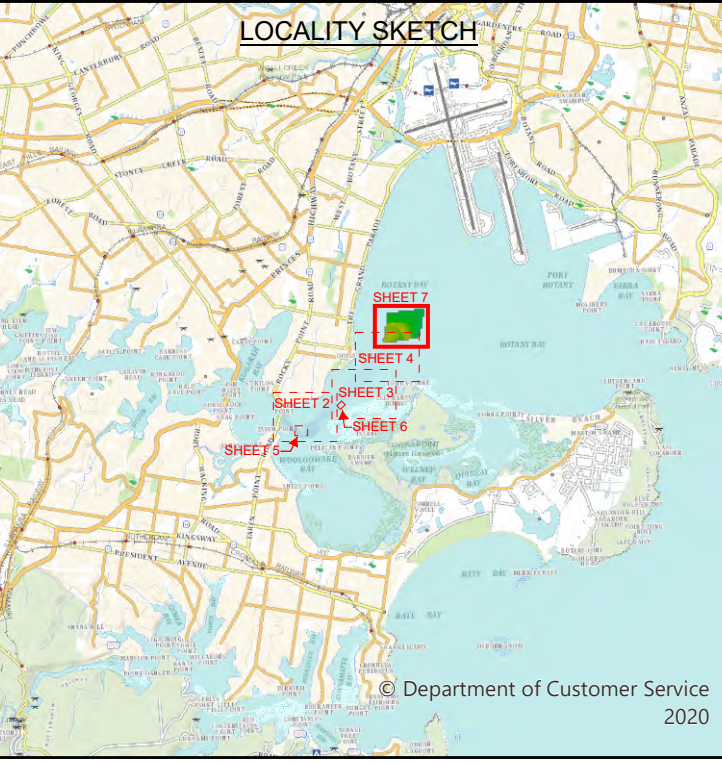
HYDROGRAPHIC SURVEYOR

DATUM DIAGRAM



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LOCALITY SKETCH



LEGEND

Aid to Navigation
★ Lit Port - Beacon with TM
★ Lit Starboard - Beacon with TM
★ Lit north - cardinal beacon

Depth
0 metres
10 metres

0.25m resolution bathymetric CUBE surface generated from multi-beam echo sounder data.

Aerial Image: © Neamap
Date: 9th June 2025

Contour interval: 0.5m

NOTES:
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Previous Plan: 717 - 031 | 04
Date printed: 12/09/2025

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SHEET 7 OF 7 SHEETS

OFFICIAL

'See Sheet 4'