



1. PLAN LIMITATION STATEMENT
This plan has been prepared in accordance with accepted practice for the use only of Port Authority of New South Wales for a specific purpose. No warranty or representation, expressed or implied, is made to any other party regarding this survey and plan. This plan should not be relied upon for any other purpose or use by any party including Port Authority of New South Wales.

2. GRIDDED DATASET
Raw soundings have been processed and validated on a shoal bias and gridded at 0.5m x 0.5m resolution.

3. FILTERED SOUNDINGS STATEMENT
In producing this plan some soundings have been intentionally filtered to improve ease of interpretation. Filtering of the "gridded dataset" has been carried out to preserve soundings on a shoal bias. The filtering interval is 10mm at plan scale. Soundings shown are in true horizontal location. Contours have been produced from a TIN model based on a dataset at four times the plotted sounding density.

4. TIDE DATUM INFORMATION
Soundings are in metres reduced to Zero Fort Denison Tide Gauge being approximately the level of Lowest Astronomical Tide. This zero is 0.925 metres below Australian Height Datum. Soundings above zero are shown thus 0.2.

5. DEPTH INFORMATION
Refer Berths & Channels document www.portauthority.nsw.gov.au/sydney-harbour/port-services-facilities/berths-facilities for latest depth information

SURVEY CLASS
This survey and the estimates for horizontal and depth TPU comply with the requirements set out by Ports Australia Class A standards.
Depth TPU(m) = Min 0.063, Max 0.15m Mean 0.074
Position TPU(m) = Min 0.05, Max 0.114m, Mean 0.07

EQUIPMENT
SURVEY VESSEL: Brian Cecil
ACQUISITION SOFTWARE: Teledyne PDS
PROCESSING SOFTWARE: CARIS HIPS & SIPS
MULTIBEAM SONAR: Teledyne RESON T50P
SONAR FREQUENCY: 400kHz
GNSS BASE STATION: CORS Network FTD2
POSITION/ORIENTATION: POSMV OceanMaster

NOTES
NA SOUNDINGS ABOVE OR EQUAL TO DECLARED DEPTH
NA SOUNDINGS FROM CURRENT SURVEY
NA DECLARED DEPTH CONTOURS
NA SHIPPING FAIRWAY
O OBSTRUCTIONS

SURVEY INFORMATION
REDUCED DATA: \\PASURVEY01\Survey\SurveyData\Backup\ExternalWork\2024\202401_MarinaSurveys\Reduced Data
FILE NO: \\PASURVEY01\Data\Sydney\2024\202401_MarinaSurveys\CM C02020
HORIZONTAL DATUM: GDA2020
PROJECTION: MGA zone 56
VERTICAL DATUM: Zero Fort Denison Tide Gauge
RUNLINES: N/A
DATE STARTED: 11-JAN-2024 Date Completed: 11-JAN-2024

CHARGE SURVEYOR: Isaac Reeves
CHECKING SURVEYOR: Tim Connor

HYDROGRAPHIC SURVEY
NORTH HARBOUR MARINA
BALGOWLAH

Isaac Reeves
Charge Surveyor

This Plan replaces: N/A

DWG No: SNHM 001-A

ATTACHMENT 1

INDEMNITY AND RELEASE IN RELATION TO THE SUPPLY OF HYDROGRAPHIC DATA

I, Isaac Reeves employed by Port Authority of New South Wales
(name)

at Gate B103 Penrhyn Road, Port Botany do hereby state that:
(address)

1. I have captured and certified the hydrographic data referred to in Paragraph 4 below for the purpose of carrying out a survey commissioned by Addenbrooke Pty. Ltd in connection with a pre-construction seabed survey around Rose Bay Marina & North Harbour Marina, Sydney Harbour.
2. Transport for NSW is the landowner of the seabed of the port of Sydney Harbour and has required the hydrographic data for the purpose of pre-construction survey works for Addenbrooke Pty Ltd project proposed marina extension as per the Development Application (**Purpose**)
3. I indemnify Transport for NSW, its officers, servants and contractors (limited to those contractors undertaking work within Transport for NSW) (**Contractors**) against all actions, suits, claims, demands, costs, damages and expenses, in respect of any loss, damage, accident or injury of whatsoever nature or kind and howsoever sustained or occasioned and whether to property or persons arising directly or indirectly from its use of, or reliance on, the hydrographic data referred to in Paragraph 5 below for the Purpose only.
4. I release Transport for NSW, its officers, servants and Contractors from all actions, suits, claims, demands, costs, damages and expenses which I, but for the signing of this Indemnity might have had, against Transport for NSW, its officers, servants and Contractors for any loss, damage or injury of whatsoever nature and howsoever arising in connection with the supply, use and/or reliance on the hydrographic data referred to in Paragraph 5 below for the Purpose only.
5. This Indemnity and Release applies to the data which was prepared by me in relation to a hydrographic survey conducted around Rose Bay Marina & North Harbour Marina in Sydney Harbour on 11 January 2024 for the Purpose.
6. Transport for NSW may use and store the data referred to in Paragraph 5 for the Purpose and its internal purposes only.
7. Transport for NSW may not provide the data referred to in Paragraph 5 to any third party without the written consent of Port Authority of NSW unless required to do so by law. This indemnity and release does not apply in respect of the use of this data by any third party.

Surveyor's details

Signature:  _____

Date: 19/1/2024

Name: Isaac Reeves

Qualification(s): Certified AHSCP Level 2

Witness's details

Signature: _____

Date: 19/1/2024

Name: Venessa O'Connell

Address: Gate B103 Penrhyn Rd, Port Botany

Employer's name: Port Authority of New South Wales

Employer's address: Gate B103 Penrhyn Rd Port Botany