



City of Townsville

Drawing Date: 27 February 2025
Original Size: A1 Scale: 1:1000

Survey Equipment
 Survey Vessel: ECHO 26400C
 Multibeam Echosounder: R2Sonic - 2022
 Motion Sensor: POS MV WaveMaster
 Horizontal positioning: POS MV with RTK Corrections
 Navigation and Data Collection: QINSY Ver 8.18.3
 Data Processing: Cimaera Ver 1.7.6.1638
 Plan Production: QINSY Ver 8.18.3

Horizontal Datum
 Datum: GDA2020
 Ellipsoid: GRS80
 Semi-Major Axis (a): 6,378,137m
 Inverse Flattening: 298.257222101
 Projection: MGA2020 Zone 55
 Latitude of Origin: 0°
 Central Meridian: 147° East
 Scale Factor: 0.9996
 False Easting: 500,000m
 False Northing: 10,000,000m

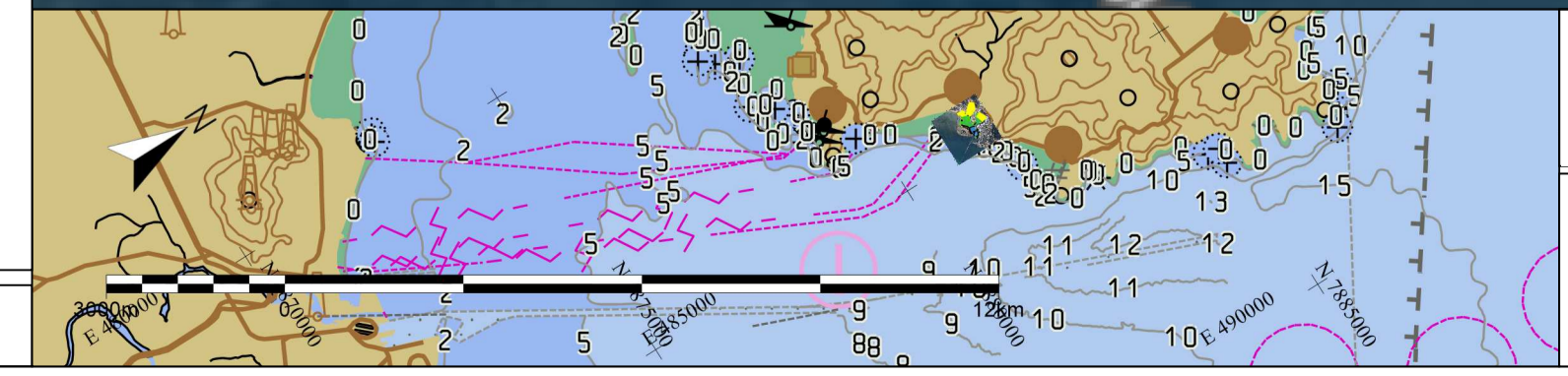
Vertical Datum:
 LAT based on Smartnet ellipsoidal heights and the PoTL 2020 Hydroid.

Volumes: Bridge Area 2964m² plus 742m²
 Creek Area 4316m²
 Marina Area 2008m²

Plan No: NB25-001
 Points file: NB25-001 100cm.txt

NELLY BAY HARBOUR
Pre Investigation Survey February 2025

Horizontal Tolerance: 0.5m
 Vertical Tolerance: 0.15m
 Class of Survey: B 90%



AQUAMAP Pty Ltd

Approved By: Mick Fitzpatrick
 Surveyor in Charge
 B Surv MSSSI CPHS1

Warm colours (red, orange and yellow) indicate shallower waters while Cool colours (green and blue) indicate increasing water depth