AUSTRALIAN HYDROGRAPHIC SERVICE

Royal Australian Navy

SURVEY SUMMARY

INSTRUCTIONS FOR RENDERING

This Survey Summary form should be completed for all data rendered to the Australian Hydrographic Office which is not accompanied by a full written report which would normally include details such as those in this form.

This will provide the minimum information required to manage data within Australia's area of charting interest.

The preferred format of bathymetric data is:

- **Processed,**
- **Ungridded for singlebeam, gridded for multibeam,**
- **Provided as either ascii .xyz, (.dxf), (.dgn), or Hydrographic Transfer Format (.htf, available from the AHS website http://www.hydro.gov.au). If these formats are not available, full source data will be accepted.**

Any ancillary data such as tides, benchmarks, linework and final levelling heights etc. is also of assistance. If supplying such data, please include positional data of deployed equipment.

Please forward survey data with the completed Survey Summary to:

Hydrographer of Australia
C/- Manager Digital Information
Australian Hydrographic Office
Locked Bag 8801
Wollongong
NSW 2500

SURVEY SUMMARY
AUSTRALIAN HYDROGRAPHIC SERVICE RAN

General

Survey Title	**Survey ID**
Locality	**Scale**
Survey Dates	**Survey Authority**
Survey Platform	**Surveyor in Charge and Qualification**
Remarks (if applicable)	

Technical Detail

Horizontal control:

Datum _____ Spheroid _____ Projection _____ Zone _____

Transformation methods and parameters used to shift to WGS84 (if applicable)

Positioning system used at base station (if applicable): _____
(eg. AMSA Beacon #, RTK, UHF etc)

Vertical Control:

Sounding Datum: _____ Tide: Predicted / Observed

Lat/Long or Port #: _____ N / S _____ E / W

Benchmark used and height difference between BM and Datum (if applicable): / m

Vertical Uncertainty of Benchmark used: ± metres (%)

The following details relate to the conduct of the survey:

Was the survey systematically controlled following planned survey lines? Yes / No

State the horizontal uncertainty achieved and the confidence level ± metres (%)
(eg. at 39% (1 sigma), 95%, or 99% Confidence Interval for 2D error analysis)

Was full seafloor Feature Detection achieved? Yes / No

Equipment used for seafloor coverage: _____
(Side Scan Sonar, Swathe echosounder etc.)

Were all shoal depths systematically investigated and their least depths determined? Yes / No

Sounding equipment used: _____
Echosounder frequency: _____
Echosounder beamwidth: _____

State the depth uncertainty achieved and the confidence level ± metres (%)
(eg. at 68% (1 sigma), 95%, or 99% Confidence Interval for 1D error analysis)

Please forward completed forms, along with the survey data (digital data or fairsheets [if applicable]) to:
Hydrographer of Australia, C/- Manager Digital Information, RAN Hydrographic Office, Locked Bag 8801, Wollongong, NSW 2500

The following details relate to the provided digital dataset:

State the format of the provided digital dataset:
(xyz, dxf, dgn etc) _____

Has the data been thinned from that collected? Yes/No

What thinning method was used (shoal grid, shoal irregular grid) _____

Have least depths and positions been retained in the thinned dataset? Yes/No

What was the sounding density of the original dataset? _____

Additional Remarks (if applicable please attach as separate sheet)

Guidance on Confidence Levels and Error Ellipse scaling is contained in ICSM Publication No.1 (SP1), uncertainties from IHO publication S44 or by contacting the Validation and Assessment Section at the Australian Hydrographic Office.

Please forward completed forms, along with the survey data (digital data or fairsheets [if applicable]) to:
Hydrographer of Australia, C/- Manager Digital Information, RAN Hydrographic Office, Locked Bag 8801, Wollongong, NSW 2500