Report of Survey Template

The following template has been modified from AHO Survey Summary Template, which can be found in full [here](http://www.hydro.gov.au/prodserv/data/hydro-data.htm). Guidance on Confidence Levels and Error Ellipse scaling is contained in ICSM (2014a), uncertainties from IHO publication S-44 or by contacting the Bathymetric Data Assessment Section at the Australian Hydrographic Office on 02 4223 6500.

Introduction

|  |  |
| --- | --- |
| **Survey Title and ID** | **Locality** |
|  |  |
| **Survey Authority** | **Survey Sponsor/Custodian** |
|  |  |
| **Surveyor in Charge and qualification** | **Date this Survey Summary was completed** |
|  |  |
| **Start Date of Survey** | **End Date of Survey** |
|  |  |
| **Survey Platform/Vessel Name** | **Survey Platform/Vessel Name** |
|  |  |
| **Purpose of the Survey** |
|  |
|  |

Horizontal Control

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| **Soundings are on the following datum (WGS84 preferred but not essential)** |
| **Datum** |  |
| **Spheroid** |  |
| **Projection and Zone** |  |
| **Was the positioning system validated?** |  |
| **Were laybacks applied?** |  |
| **Estimated horizontal accuracy of soundings at 2 Sigma (95%) confidence level (Calculations can be included as an attachment. Don’t know? Enter “Not Known”)** |  |

Vertical Control

|  |  |
| --- | --- |
| **Tides Applied** |  |
| **Soundings Datum** |  |
| **Tide Station 1 Details** |  |
| **Benchmark (BM) used and Datum connection** |  |
| **Geoid details if using GPS tides** |  |
| **Tide Station 2 Details** |  |
| **Benchmark (BM) used and Datum connection** |  |
| **Geoid details if using GPS tides** |  |
| **Tide Station 3 Details** |  |
| **Benchmark (BM) used and Datum connection** |  |
| **Geoid details if using GPS tides** |  |
| **Tide Model comments (if applicable)** |
|  |
| **Were soundings corrected for draught?** |  |
| **Were the soundings corrected for sound velocity?** |  |
| **Estimated vertical accuracy of soundings at 1.96 Sigma (95%) confidence level (Calculations can be included as an attachment. Don’t know? Enter “Not Known”)** |  |

**Details of Survey Execution**

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| **The following positioning systems were used:** |
| **Positioning System 1** |  |
| **Positioning System 2** |  |
| **Base station (If applicable)** |  |
| **The following sounding systems were used:** |
| **Model / System Details Frequency (kHz)** |
| **Echosounder 1** |  |  |
| **Echosounder 2** |  |  |
| **Logging and Processing Systems used, and Versions:** |
| **Logging** |  |
| **Processing** |  |
| **Was the survey systematically controlled with planned survey lines or methods?** |  |
| **Was full feature detection achieved as defined in IHO publication S-44, Edition 5, February 2008?** |  |
| **If feature detection was achieved, what Order of features is applicable?** |  |
| **Feature detection comments (if applicable)** |
|  |
| **Were all shoal depths systematically investigated and their least depths determined?** |  |
| **Has data been thinned from that collected?** |  |
| **If thinned, what thinning method and bin size was used?** |  |
| **Remarks (If applicable)** |
|  |

Shoals and Dangers

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| **This section seeks comments on any features that may be dangerous to surface navigation. (Comments as required. General location and depth references, pictures, screen dumps, etc will assist. Has a Hydrographic Note or Danger to Navigation Report been submitted?)** |
|  |

Wrecks

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| **This section seeks comments on any wrecks detected during the course of survey. (Comments as required. General location and depth references, pictures, screen dumps, etc will assist.)** |
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