

Metadata for Tidal Data Exchange

Station Name **VICTOR HARBOR**

Date of Supply 20/4/2010

| | | |
|---|--|--------|
| Identification | | |
| Station Number | 61490 | |
| Name | Victor Harbor | |
| Latitude and Estimated Positional Uncertainty | 35 33 44.93 | +/- 3m |
| Longitude and Estimated Positional Uncertainty | 138 38 07.45 | +/- 3m |
| Map Name | Encounter, (1:50,000) | |
| Map Number | 6626-IV | |
| Map Grid Northing | 6062004 | |
| Map Grid Easting | 285694 | |
| Type of Readings | | |
| Heights Streams Streams Constituent constants (Delete those not applicable) | Observations | |
| Progress * | | |
| Update Frequency * | Real Time | |
| Available Format Type * | DIGITAL , text csv or excell | |
| Measurement Units | | |
| Tidal Heights Tidal Streams (Delete those not applicable) | metres | |
| Reference Frame | | |
| Time Zone Vertical Reference Frame TGBM Name/Number TGBM Elevation relative to the vertical reference Estimated Positional Uncertainty Horizontal Reference Frame Direction of Stream Readings Depth of Stream Readings (relative to Vertical Reference Frame) Estimated Positional Uncertainty | Central Standard Time Chart Datum Arrow on brick plinth on north east corner of railway goods shed + 4.883 metres +/- 2mm Geodetic Datum of Aust (GDA94) +/- | |
| Search Words * | Marine, Oceanography, Water, Victor harbor | |
| Data Owner Details | | |
| Name | Flinders Ports Pty Ltd | |
| Postal Address | PO Box 19, Port Adelaide, SA 5015 | |
| Street Address | 296 St Vincent St, Port Adelaide, SA | |
| Telephone | 08 84470611 | |
| Facsimile | 08 84470606 | |
| Email | flindersports@flindersports.com.au | |
| Internet | www.flindersports.com.au | |
| Contact Officer Details | | |
| Name | Greg Pearce | |
| Position | Tides Manager | |
| Telephone | 08 84470657 (mob) 0408842254 | |
| Email | pearce.greg@flindersports.com.au | |

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| Contact Officer Details | |
| Name | Greg Pearce |
| Position | Tides Manager |
| Telephone | 08 84470657 (mob) 0408842254 |
| Email | pearce.greg@flindersports.com.au |
| Details of the Readings Provided Herewith | |
| Date of readings supplied | |
| From | 1/4/09 |
| To | 1/0/10 |
| The time interval between readings (If the readings are for high & low water then enter "Zero") | 5 minutes |
| Are the readings averaged or filtered | Averaged. 1 minute scan beginning 1 minute before log time, counts 60 samples (1 per second) and averages, logs at 5 minute increment |
| Are there any access constraints (such as commercial-in-confidence or constraint on the use or distribution to third parties). | Yes. Permission to access data by any third party must be secured from Flinders Ports |
| Objective Quality Assessment of Tidal Observations (Height or Stream) | |
| Instrument | |
| Type | Data Logger |
| Make | Mindata / Handar |
| Model | 4500 / 555 |
| Sensor | |
| Type | Shaft Encoder |
| Make | Handar |
| Model | 436MD |
| Mode of operation | Float in stilling well |
| Frequency of System Calibrations | |
| Field calibration and Laboratory calibration | On main site visit, annually Prior to deployment in field or as required |
| Frequency of Water Level Checks | |
| Weekly | |
| Estimate of the Precision of the Water Level Checks | |
| Time (Std Dev in Minutes) | 15 second drift per month. Clock reset monthly |
| Height (Std Dev in metres) | 0.03metres |
| System Resolution | |
| 0.001m | |
| Estimated Local Uncertainty | |
| | |
| Status of the Readings | |
| Raw readings. | |

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| Description of the validation process including a statement detailing how:- 1. The instrumental biases were treated 2. Outliers were selected and dealt with 3. Breaks in the record were dealt with. | The data is received in real time through the Hydrotel data management system. The recorded data is displayed against the predictions and residuals calculated. The plots are checked visually for obvious gross errors, they are removed. If further outliers are present they are identified and investigated. Then the residuals are compared with residuals for nearby sites to strengthen validity of data. Breaks in record are left as breaks (spaces). |
| Date of Validation | As data is downloaded, near real time. |
| Name of Person certifying the validation | Greg Pearce |
| Details required with the supply of tidal constituent constants | |
| All of the details required above | |
| The name and version of the software used to calculate the constants | |
| The tidal constituent model used (particularly noting the treatment of the constituents Sa and Ssa) and specifying any related (inferred) constituent constants. | |
| The date span used to prepare the constituent constants | |
| The reference time zone for the constituents | |
| The vertical datum to which the constituents apply | |
| A precision estimate of predictions based on the constituent constants (for example, standard deviation of the analysis residuals.) | |
| Additional details required with the supply of tidal predictions | |
| All of the details required above | |
| A statement describing the tidal prediction process used | |
| The name and version of the software used to calculate the predictions | |
| A list of the constituent constants used or if the list is not provided, the donor agency's identifier of the list. | |

Comments on data by Port Authority

1. There are some breaks in the data due to system maintenance ..
2. Some outliers may still remain in dataset.