## Metadata for Tidal Data Exchange

**Station Name** | Port Alma Storm Tide 050008A  
**Date of Supply** | 15 February 2007

### Identification

| **Station Number** | 050008A  
| **Name** | Port Alma  
| **Latitude** | 23 Deg 35 S  
| **Longitude** | 150 Deg 52 E  
| **Map Name** | 1:100 000 Bajool  
| **Map Number** | Sheet No. 9050  
| **Map Grid Northing** | 7 390 281  
| **Map Grid Easting** | 282 289

### Type of Readings

- Heights
- Observations

### Measurement Units

- Tidal Heights
- Millimetres

### Reference Frame

| **Time Zone** | AEST  
| **Vertical** | LAT  
| **TGBM Name** | PSM 22966  
| **TGBM Elevation** | 6.706m  
| **Horizontal** | GDA

### Data Owner Details

| **Name** | Environmental Protection Agency - Coastal Sciences Unit  
| **Postal Address** | PO Box 15155 CITY EAST QLD 4002  
| **Street Address** | 27 Quinlan Street DEAGON QLD 4017  
| **Telephone** | 61 7 3869 9523  
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### Contact Officer Details

| **Name** | Mr J Waldron  
| **Position** | Principal Scientist  
| **Telephone** | 61 7 3869 9523  
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### Data Custodian Details

| **Name** | Maritime Safety Queensland  
| **Postal Address** | GPO Box 2595 Brisbane Queensland 4001  
| **Street Address** | 41 George Street Brisbane Queensland 4000  
| **Telephone** | 61 7 3120 7433  
| **Facsimile** | 61 7 3120 7430  
| **Email** | tides@msq.qld.gov.au  
| **Internet** | www.msq.qld.gov.au

### Contact Officer Details

| **Name** | Mr G J (John) Broadbent  
| **Position** | Spatial Information Manager  
| **Telephone** | 61 7 3120 7433  
| **Email** | tides@msq.qld.gov.au

### Details of the Readings Provided Herewith

| **Date of readings supplied** |  
| **From** | 01 January 2006  
| **To** | 01 January 2007  
| **The time interval between readings** | Ten minute  
| **Are the readings averaged or filtered** | No
Are there any access constraints (such as commercial-in-confidence or constraint on the use or distribution to third parties).

The release is subject to the following conditions:-

1. Data are used for your present study only;
2. The Environment Protection Agency disclaims all responsibility for the information provided, and all liability (including without limitation, liability in negligence) for all expenses, losses, damages, and costs that may be incurred as a result of the information being inaccurate or incomplete in any way for any reason;
3. That the data provided is not released to a third party without the prior written approval of the agency;
4. Upon completion of your study, a copy of the data sets and the final report be forwarded to the agency; and,
5. The Environment Protection Agency is acknowledged where appropriate.

| Objective Quality Assessment of Tidal Observations (Height or Stream) |
|-------------------------|------------------|
| **Instrument**          |                  |
| Type                    | Tide height recorder |
| Make                    | Data Taker        |
| Model                   | DT505             |
| **Sensor**              |                  |
| Type                    | Downward looking radar |
| Make                    | Vega              |
| Model                   | Unknown           |
| Mode of operation       | Radar             |
| **Frequency of System Calibrations** | Unknown |
| Field calibration and   | Unknown           |
| Laboratory calibration  | Unknown           |
| **Frequency of Water Level Checks** | Each service visit 4 times annually |
| **Estimate of the Precision of the Water Level Checks** |                  |
| Time (Std Dev in Minutes) | 1 minute          |
| Height (Std Dev in metres) | 0.02 metres      |
| **System Resolution**   | 0.005m            |
| **Status of the Readings** | Validated (processed) readings. |
| **Description of the validation process including a statement detailing how** | The readings are corrected to datum by means of the water level checks |
| 1. The instrumental biases were treated | Outliers are detected by eye using the non-tidal residual plot. |
| 2. Outliers were selected and dealt with | Breaks are filled using a maximum of 15 predicted readings fitted to the adjacent observations. |
| 3. Breaks in the record were dealt with. | |