



# Australian Government

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## Geoscience Australia

### Geodetic Connections to Tide Gauge at Rossllyn Bay

#### RESULTS OF OPTICAL LEVELLING

Bench Mark Name	Mark description	AHD Ht (m) May 1994	AHD Ht (m) Nov 1995	AHD Ht (m) Aug 1998	AHD Ht (m) Dec 2001	Comments
PSM 45274	Deep Driven Mark	11.268	-	-	-	Datum for AHD heights
PSM 82477	Deep Driven Mark	8.140	8.140	8.140	8.1400	Coastal array Primary BM
PSM 63878	Stainless steel pin in rock	5.937	5.937	5.938	5.9374	Coastal array BM
-	Seaframe sensor bench mark	5.807	5.808	5.804	5.8079	Tide Gauge Mark
PSM 47784	Mark in conc kerb	4.253	4.252	4.253	4.2516	Coastal array BM

**Notes:**

1. The vertical offset from the Seaframe Sensor Bench Mark up to the Seaframe Sensor Reference Point is approximately 2cm.
2. The following information is recorded annually by NTF:
  - Aquatrak head number
  - Calibration tube number
  - Sensor offset
  - Seaframe Sensor Reference Point vertical offset from Seaframe Sensor Bench Mark
  - Dates of Service