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Geodetic Connections to Tide Gauge at Cape Ferguson RESULTS OF OPTICAL LEVELLING

Bench Mark Name	Etrrick 750237	Etrrick 750223	Etrrick 113345	Etrrick 113344	PSM 7173	PSM 48687	Etrrick 112149	Etrrick 112150	Etrrick 112148	Etrrick 112147	Etrrick 113538
AHD Ht (m) Apr 1994	-	-	-	-	9.571	8.958	6.929	5.501	3.779	4.744	5.399
AHD Ht (m) Jun 1995	29.474	26.729	15.696	30.407	-	-	6.929	5.500	3.779	4.744	5.398
AHD Ht (m) Aug 1998	-	-	-	-	-	-	6.929	5.500	3.779	4.744	5.398
AHD Ht (m) Aug 2000 ¹	-	-	-	-	-	-	6.9290	5.5003	3.7789	4.7446	5.3990
AHD Ht (m) Nov 2001 ²	-	-	-	-	-	-	6.9290	5.5009	3.7789	4.7444	5.4001
AHD Ht (m) Oct 2002 ³	29.4740	26.7296	15.6967	30.4058	-	-	6.9290	5.5004	3.7789	4.7445	5.3987
AHD Ht (m) 2005 ³	29.4714	26.7269	15.6945	30.4051	-	-	6.9290	5.5004	3.7788	4.7447	5.4005
AHD Ht (m) 2008 ³	29.4720	26.7275	15.6950	30.4042	-	-	6.9290	5.5007	3.7791	4.7455	5.4024
Comments	Australian Regional GPS Network (ARGN) monument, AU028	AU028 Reference Mark 2	Holding mark, star iron.	Holding mark in concrete drain.	Datum for AHD heights. BM in AHD section 264-268.	Inland array BM. Datum for AHD heights. BM in AHD section 264-268.	Coastal array BM (datum for comparison).	Coastal array primary BM.	Coastal array BM.	Coastal array BM.	Seaframe Tide gauge sensor BM



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Notes:

¹ AUSLIG

² Qld Natural Resources & Mines

³ Geoscience Australia, National Mapping Division (formerly AUSLIG).

Used the "EDM Height Traversing" method. See [ICSM Special Publication 1](#), Part B, Section 2.4.2.