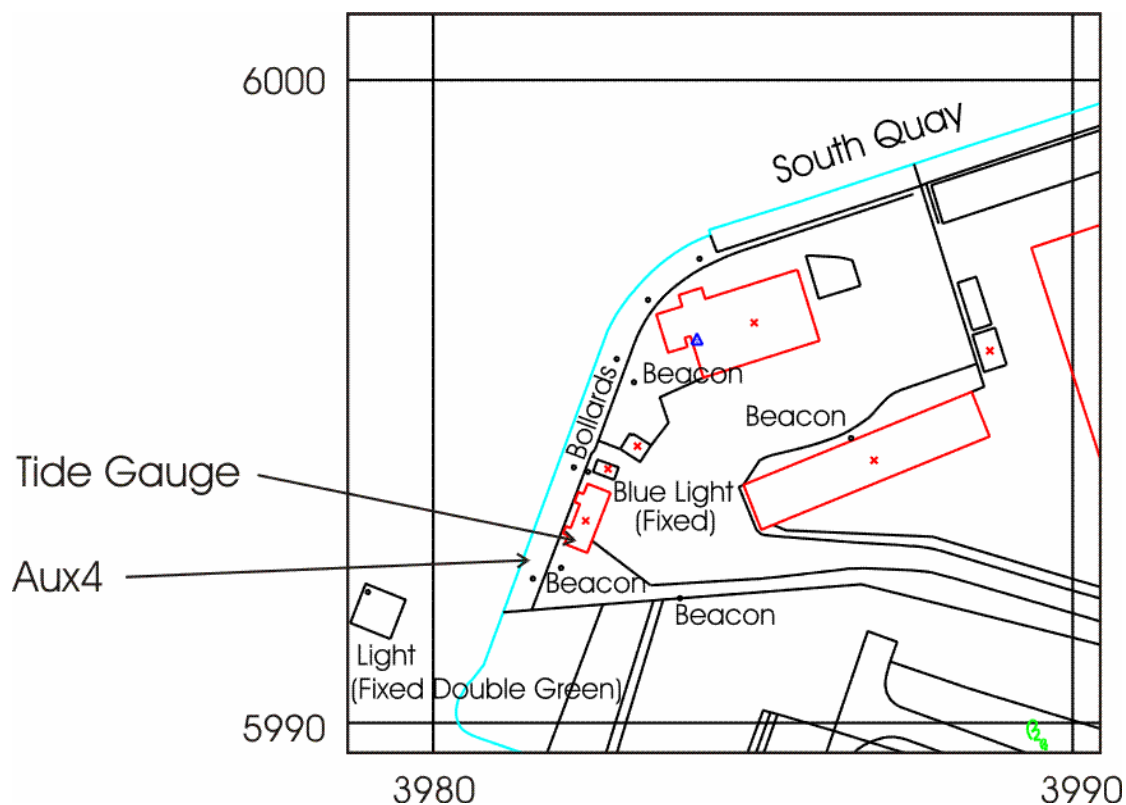


## Heysham site history



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## History summary

<b>Station name</b>	Heysham
<b>Country</b>	England, U.K.
<b>Latitude of measuring point</b>	1998 onwards: 54° 01' 54.6" N 1971 - 1998: 54° 02' 01.0" N Prior to 1971: 54 02' 0.3" N
<b>Longitude of measuring point</b>	1998 onwards: 02° 55' 12.9" W 1971 - 1998: 02° 54' 46.7" W

	Prior to 1971: 02 54' 42.3" W
<b>OS grid ref. of measuring point</b>	1998 onwards: SD 3982 5993 1971 - 1998: SD 4039 6012 Prior to 1971: SD 4030 6012
<b>Datum reference</b>	All data refer to Admiralty Chart Datum (ACD) ACD = ODN -4.90m
<b>Time reference</b>	GMT (hours 00-23)
<b>Contributor</b>	Tide Gauge Inspectorate (TGI), Proudman Oceanographic Laboratory, Joseph Proudman Building, 6 Brownlow Street, Liverpool, L3 5DA, U.K.
<b>Instrument type</b>	1904 – 1959: Harrison and Sons tide gauge in use Aug 1960+: Lea tide gauge recorder (Serial number 9526/58) installed as replacement. The well was situated at the edge of the quay, 13.4m from the tide gauge hut. Connections between the float and pen were by a series of wires and pulleys (between 12m and 15m wire). Nov 1969-Mar 1971: Tide recorder removed for harbour modifications and was out of action while a new car ferry terminal was built. Apr 1971: Records began from resited tide gauge, with the tide gauge sited over the old float well in a new hut. 1988 – Present: DATARING system installed, with two pneumatic bubbler systems. The system was relocated in 1998.
<b>Site of measuring point</b>	The measuring points are attached to the quay face, at the south entrance to Heysham Port.
<b>Position of tide gauge building</b>	SD 3976 5991
<b>Observational periods</b>	1964-1969,1971-2011

### Benchmark descriptions

Benchmark	OS grid ref.	Description	Height above ODN (m)
TGBM	SD 4030 6012	OSBM bolt on South Quay 40.8m W from SE angle of dock	7.198

Aux1	SD 4141 6005	Bridge parapet 3.4m N face junction E side of road, W face	16.561
Aux2	SD 4026 6033	Pivot pin on harbour wall, 6.1m SW, N angle of harbour	7.190
Aux3	SD 4026 6033	Rivet on harbour wall 5.7m, SW of N angle of harbour	7.204
BM	SD 4003 6026	Rivet on harbour wall 30.5m NE of SW end of N wall	6.986

TGZ = Admiralty Chart Datum (ACD)

TGZ = 4.90m below Ordnance Datum Newlyn (ODN)

TGZ = 12.098m below TGBM

Ordnance Datum Newlyn (ODN) is based on mean sea level at Newlyn between 1915 and 1921 (inclusive).

### **Data quality**

The data have been screened and quality controlled using BODC procedures and standards.

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