

Absolute Differences Between Hydrographic and Topographic Datums

UPDATED April 2015

Main Side of Table

HAT	0.206	0.285	0.300	0.500	0.700	0.790	1.000	1.044	1.068	1.200	1.300	1.400	2.097
MHHW	0.079	0.094	0.294	0.494	0.494	0.584	0.794	0.838	0.862	0.994	1.094	1.194	1.891
MHW		0.015	0.215	0.415	0.415	0.505	0.715	0.759	0.783	0.915	1.015	1.115	1.812
MHWS			0.200	0.400	0.400	0.490	0.700	0.744	0.768	0.900	1.000	1.100	1.797
MHWN				0.200	0.200	0.290	0.500	0.544	0.568	0.700	0.800	0.900	1.597
0.663	0.457	0.378	0.363	0.163	MSL	0.090	0.300	0.344	0.368	0.500	0.600	0.700	1.397
					0.127	OS Datum	0.210	0.254	0.278	0.410	0.510	0.610	1.307
					0.337		MLWN	0.044	0.068	0.200	0.300	0.400	1.097
					0.381			MLW	0.024	0.156	0.256	0.356	1.053
					0.405				MLLW	0.132	0.232	0.332	1.029
					0.547					MLWS	0.100	0.200	0.897
					0.637						LAT	0.100	0.797
					0.737							Chart Datum	0.697
					1.434								Esso Sta. Datum

Use these values when referencing to NOAA MSL; otherwise use main side of table

Source Data Notes:

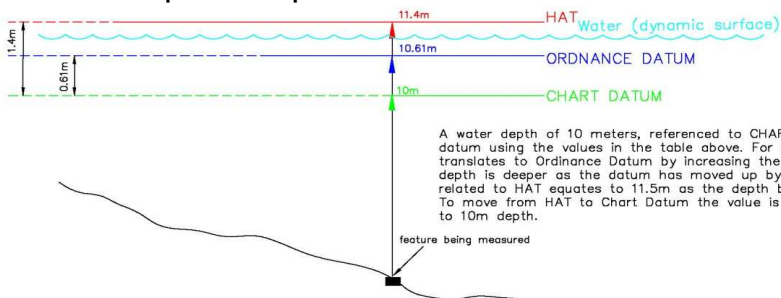
Elevation diff btwn MLLW and OS Datum, for Tidal BM # 4, also known as GBM 80225 (G1/9)

Data as stated on Savage OS Map Series

Data obtained from Admiralty Tide Tables, Vol 2, 2012 p.xxxviii

Data obtained from email, noaa, Thomas Landon regarding Station Datum values above Station Datum, Esso Pier Benchmark Sheet for 2695540 dated 11/23/2011

Example water depth of 10 meters referenced to CHART DATUM



These differences are derived from a benchmark (BM #4) as referenced by NOAA and MAG. Information can be found at the NOAA website and in file 30_214 Hydrographic Surveys.

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