

250 1152

VARIATIONS OF THE MAGNETIC NEEDLE

Locality	Latitude	Longitude	Date	Magnetic Declination	Magnetic Variation
Massachusetts	42° 50' 30" N	70° 50' W	April 1852	10° 17'	10° 17'
Shoofly Point	42° 50' 30" N	70° 50' W	April 1852	10° 17'	10° 17'
Wilmington	42° 50' 30" N	70° 50' W	April 1852	10° 17'	10° 17'
Provincetown	42° 50' 30" N	70° 50' W	April 1852	10° 17'	10° 17'

Present annual increase 7 yearsly

LIGHT HOUSES

Name	Latitude	Longitude	Order	Height	Power	Color	Remarks
Plymouth Beacon	42° 50' 30" N	70° 50' W	1st Order	102 ft.	1000	White	
Wedge Point	42° 50' 30" N	70° 50' W	2d Order	57 ft.	12	White	
Wedge Point	42° 50' 30" N	70° 50' W	3d Order	27 ft.	12	Red	
Wedge Point	42° 50' 30" N	70° 50' W	4th Order	38 ft.	12	White	
Wedge Point	42° 50' 30" N	70° 50' W	5th Order	22 ft.	12	White	
Wedge Point	42° 50' 30" N	70° 50' W	6th Order	18 ft.	12	White	
Wedge Point	42° 50' 30" N	70° 50' W	7th Order	15 ft.	12	White	
Wedge Point	42° 50' 30" N	70° 50' W	8th Order	12 ft.	12	White	
Wedge Point	42° 50' 30" N	70° 50' W	9th Order	10 ft.	12	White	
Wedge Point	42° 50' 30" N	70° 50' W	10th Order	8 ft.	12	White	

TIDES

The plane of reference to which the soundings are given is Mean Low Water.

Current Establishment on Average time of High Water after Moon's meridian passage.

Mean time and Fall of Tides on	XP 10"	XP 20"	XP 30"	XP 40"	XP 50"
Mean time of High Water	9. 2. 8	9. 3. 8	11. 2. 8	11. 2. 8	9. 2. 8
Mean time of Low Water	10. 8. 8	10. 8. 8	11. 8. 8	11. 8. 8	10. 8. 8
Height of High Water	10. 8. 8	10. 8. 8	11. 8. 8	11. 8. 8	10. 8. 8
Height of Low Water	10. 8. 8	10. 8. 8	11. 8. 8	11. 8. 8	10. 8. 8
Height of High Water Spring Tides	11. 8. 8	11. 8. 8	12. 8. 8	12. 8. 8	11. 8. 8
Height of Low Water Spring Tides	10. 8. 8	10. 8. 8	11. 8. 8	11. 8. 8	10. 8. 8
Height of High Water Neap Tides	10. 8. 8	10. 8. 8	11. 8. 8	11. 8. 8	10. 8. 8
Height of Low Water Neap Tides	10. 8. 8	10. 8. 8	11. 8. 8	11. 8. 8	10. 8. 8
Height of Highest Tide observed	11. 8. 8	11. 8. 8	12. 8. 8	12. 8. 8	11. 8. 8
Height of Lowest Tide observed	10. 8. 8	10. 8. 8	11. 8. 8	11. 8. 8	10. 8. 8
Mean direction of Rise	40° 10'	40° 10'	40° 10'	40° 10'	40° 10'
Mean direction of Fall	41° 10'	41° 10'	41° 10'	41° 10'	41° 10'

SOUNDINGS

The soundings are expressed in feet or fathoms as within the dotted outline. Beyond this in fathoms and above the depth of mean low water the plane of reference is the surface of the water. The dotted outline beyond low water mark represents the bottom with its irregularities. The soundings are given in the above they are selected from the numerous soundings taken in the survey so as to represent the figure of the bottom.

BUOYS

Red buoy to be left in entering an anchorage.

Black and Red buoy to be left in leaving an anchorage.

Black and Red buoy to be left in leaving an anchorage.

Black and Red buoy to be left in leaving an anchorage.

ABBREVIATIONS OF BOTTOMS

Abbreviation	Meaning	Abbreviation	Meaning
S	Sand	Sh	Shoal
G	Gravel	St	Stony
Sl	Shells	Sp	Spits
Sp	Spits	St	Stony
St	Stony	Sp	Spits
Sp	Spits	St	Stony
St	Stony	Sp	Spits
Sp	Spits	St	Stony
St	Stony	Sp	Spits
Sp	Spits	St	Stony

Note: The principal material and their qualities are represented by larger letters than the abbreviations.

Signifies Rock Bank. * Rock smooth of Low-water.



COAST CHART No. 10
CAPE COD BAY

Triangulation by C. MEAKIN and Capt. T. C. RAM, U.S.A. Lieut.

Topography by H. WHITING, J. B. GLECK, S. GILBERT, A. HARRISON, F. G. WEST, Ass'ts.

HADANS & CALVERT, Ass'ts. and C. ABDELLA, Sub-Ass't.

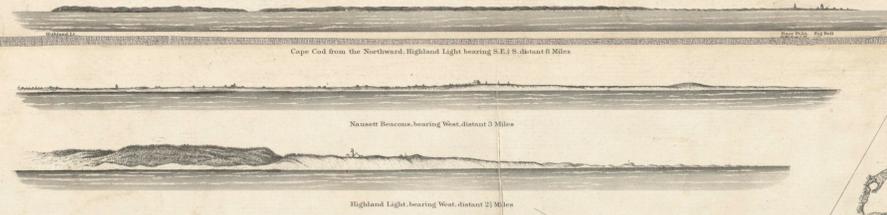
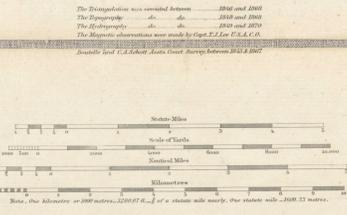
Hydrography by the parties under the command of Lieut. Comdr. C. H. HAIR, N. WOODRILL, H. S. STELLWAGEN, U.S.N. and H. MITCHELL, Ass'ts.

Scale 1:50,000

Published in 1872

Aids to Navigation corrected to 1879

Sound October 1877. C. P. PATTERSON, Superintendent United States Coast and Geodetic Survey in charge of office.



NOTE

The lines marked in the border on the right of the Meridian indicate the latest or corrected Longitudes and are to be placed for reference on charts on which the Meridians are not in accordance with the new Longitudes.

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