NARRAGANSETT BAY

RHODE ISLAND

Scale $47\frac{1}{40000}$

Published January 1896 W.W. DUFFIELD, Superintendent.
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AUTHORITIES

Triangulation by E.Blunt, A.M.Harrison, S.C.Mc.Corkle and A.T.Mosman, Assists. between 1843 and 1888

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Dredged Channels of Newport Harbor and Providence River above Gaspee Pt. are from the surveys by the Corps of Engineers U.S.A. from 1891 to Sept. 1896

Astronomical observations by A.D.Bache, Superintendent in 1844

Magnetic observations by T.J.Lee, C.A.Schott and J.B.Baylor, Assistants between 1844 and 1845

LIGHTS

(The visibility of Lights is given for an elevation of 15 feet above the level of the sea.)

F.—signifies Fixed, Fl.—Flashing, Fl.—Flash, Fls.—Flashes, W.—White, R.—Red, v.—varied by, and Sec.—Sector.

Name	Latitude	Longitude West from Greenwich	Character	Interval sec. Flashes	Color of Structure	Height above Sea	Visibility Nautical Miles	Fog Signals
Salconnet	41° 27'10"	71° 12'08"	4h 44m 48s.6	F.W. v. R. Fls.	White	68 ft.	14	
Beavertail	41 26 58	71 24 00	4 45 36.0	F.W.	Granite	64 "	13	Whistle
Castle Hill	41 27 (44)	71 23 (48)	4 45 27.2	Fig.R. 0 30	Granite	40 "	11	Bell
Lime Rock	41 28 39	71 19 35	4 45 18.3	F.R.	White	28 "	7	
Newport Harbor (Goat Id.)	41 29 36	71 19 39	4 45 18.6	W. v. eclipses 0 05	White	31 "	11	Bell
Rose Island	41 29 44	71 20 36	4 45 22.5	F.R.	White	58 "	7	Bell
Gull Rocks { West. / East.	41 30 08	71 20 01	4 45 20.1	F.G.	Natural Wood	52 "		Bell
Gould Island	41 32 03	71 20 37	4 45 22.5	Fig W. 0 10	Red & White	50 "	12	Bell
Whale Rock	41 26 40	71 25 27	4 45 41.8	F.R.	White	71 "	11	Bell
Dutch Island	41 29 58	71 24 17	4 45 37.1	F.W.	White	54 "	13	Bell
Wickford Harbor	41 34 22	71 24 34	4 45 44.3	F.W.	White	50 "	12	Bell
Conanicut Island	41 34 25	71 22 20	4 45 29.3	F.R.	White	55 "	8	Bell
Prudence Island	41 36 21	71 18 14	4 45 12.9	F.W.	White	28 "	10	Bell
Muscle Bed Shoals	41 38 (11)	71 15 (57)	4 45 03.8	F.R.	Red	33 "	7	Bell
Bristol Ferry	41 38 35	71 15 39	4 45 02.6	F.W.	White	32 "	13	
Borden Flats	41 42 (21)	71 10 (20)	4 44 41.3	F.R.	White	48 "	8	Bell
Warwick	41 40 01	71 22 43	4 45 30.9	F.W.	White	52 "	12	Bell
Conimicut	41 43 02	71 20 46	4 45 23.1	F.W.	White	58 "	13	Bell
Bullock Point	41 44 16	71 22 33	4 45 28.9	F.R.	Brick	46 "	7	
Sabine Point	41 45 44	71 22 (32)	4 45 30.1	F.W.	White	49 "	11	
Pomham Rocks	41 46 39	71 22 (12)	4 45 28.8	F.R.	White	67 "	7	
Fuller Rock	41 47 38	71 22 (58)	4 45 31.2	F.W.	White	26 "	10	
Nassaunus Point	41 49 (00)	71 23 (36)	4 45 34.0	F.R.	White	23 "	7	

LIGHT VESSELS

Name	Position	Lights: Character	Lights: Height above sea	Lights: Visibility Miles	Color of Hull	Day Marks	Fog Signals
Brenton Reef	Beavertail Light 13 m. 2.5° by C.	2 F.W.	58 ft.	12½	Straw	Black Cage at each mast head.	Bell or Gong
Hog Island Shoal	S.E. of Hog Island	F.W.	38 "	11½	Lead	Black Cage at Fore mast head.	Bell

DREDGED CHANNEL

The Channel in the Providence River above Gaspee Pt. has been dredged by the U.S. Engineers to a depth of 25 feet at average Low Water.

Statute Miles 0 1 2

Nautical Miles 0 1 2

Kilometres 0 1 2 3

Note. One kilometre or 1000 metres = 3280.83 ft. = $\frac{5}{8}$ of a statute mile nearly. One statute mile = 1609.35 metres.

TIME BALL

A Time Ball is dropped from the Torpedo Station, on Goat Island, Newport Harbor at noon, or the 75th Meridian, or at 5h 00m 00s Greenwich mean time.

▲ Pocasset Hill

WEATHER SIGNAL STATIONS

*At the following places the U.S. Weather Bureau displays signal flags indicating the weather to be expected. Stations marked * will transmit by telegraph, messages signaled, by the International Code from passing vessels.*

Narragansett Pier.
Newport.
Fall River.

TIDES

	Beavertail Light	Newport	Wickford	Bristol	Fall River	Providence
The plane of reference is Mean Low Water.						
Average time of High Water after Moon's meridian passage	7h 40m	7h 48m	7h 52m	8h 02m	8h 04m	8h 12m
Average time of Low Water after Moon's meridian passage	1 09	1 00	0 35	0 56	0 53	0 57
Average height of High Water above the plane of reference	3.8 ft.	3.5 ft.	4.2 ft.	4.1 ft.	4.5 ft.	4.4 ft.

The predicted time and height of the tide can be obtained from the TIDE TABLES published annually by the United States Coast and Geodetic Survey.

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