

COAST CHART No. 109
**BOSTON BAY
AND APPROACHES**

Topography by CARROLL, LEBLANC, and GUYER U.S.A. Army.
Hydrography by RICHMOND, LEBLANC, and GUYER U.S.A. Army.

Hydrography by the former service as indicated.

From CHAS. H. DAVIS, CHAS. H. DAVIS, and GUYER U.S.A. Army.

CLIPPER and WESTPORT T.S. Co. Inc.

Scale: 1:50,000

From the 1877 CHARTS of the Coast of the United States.

Vertical: U.S. MEASUREMENTS

Horizontal: U.S. MEASUREMENTS

LIGHT HOUSES

Name	Location	Character	Height	Range	Remarks
Long Point Light	42° 28' N. 71° 00' W.	100 ft. 100 ft.	100 ft.	100 ft.	100 ft.
Little Neck Light	42° 28' N. 71° 00' W.	100 ft. 100 ft.	100 ft.	100 ft.	100 ft.
Castle Point Light	42° 28' N. 71° 00' W.	100 ft. 100 ft.	100 ft.	100 ft.	100 ft.
Castle Point Light	42° 28' N. 71° 00' W.	100 ft. 100 ft.	100 ft.	100 ft.	100 ft.
Castle Point Light	42° 28' N. 71° 00' W.	100 ft. 100 ft.	100 ft.	100 ft.	100 ft.
Castle Point Light	42° 28' N. 71° 00' W.	100 ft. 100 ft.	100 ft.	100 ft.	100 ft.
Castle Point Light	42° 28' N. 71° 00' W.	100 ft. 100 ft.	100 ft.	100 ft.	100 ft.
Castle Point Light	42° 28' N. 71° 00' W.	100 ft. 100 ft.	100 ft.	100 ft.	100 ft.
Castle Point Light	42° 28' N. 71° 00' W.	100 ft. 100 ft.	100 ft.	100 ft.	100 ft.
Castle Point Light	42° 28' N. 71° 00' W.	100 ft. 100 ft.	100 ft.	100 ft.	100 ft.

VARIATIONS OF THE MAGNETIC NEEDLE

Locality	Latitude	Longitude	Date	Variation	Remarks
Boston	42° 22' N.	71° 03' W.	1880	13° 30' E.	
Boston	42° 22' N.	71° 03' W.	1885	13° 30' E.	
Boston	42° 22' N.	71° 03' W.	1890	13° 30' E.	
Boston	42° 22' N.	71° 03' W.	1895	13° 30' E.	
Boston	42° 22' N.	71° 03' W.	1900	13° 30' E.	
Boston	42° 22' N.	71° 03' W.	1905	13° 30' E.	
Boston	42° 22' N.	71° 03' W.	1910	13° 30' E.	
Boston	42° 22' N.	71° 03' W.	1915	13° 30' E.	
Boston	42° 22' N.	71° 03' W.	1920	13° 30' E.	
Boston	42° 22' N.	71° 03' W.	1925	13° 30' E.	
Boston	42° 22' N.	71° 03' W.	1930	13° 30' E.	
Boston	42° 22' N.	71° 03' W.	1935	13° 30' E.	
Boston	42° 22' N.	71° 03' W.	1940	13° 30' E.	
Boston	42° 22' N.	71° 03' W.	1945	13° 30' E.	
Boston	42° 22' N.	71° 03' W.	1950	13° 30' E.	
Boston	42° 22' N.	71° 03' W.	1955	13° 30' E.	
Boston	42° 22' N.	71° 03' W.	1960	13° 30' E.	
Boston	42° 22' N.	71° 03' W.	1965	13° 30' E.	
Boston	42° 22' N.	71° 03' W.	1970	13° 30' E.	
Boston	42° 22' N.	71° 03' W.	1975	13° 30' E.	
Boston	42° 22' N.	71° 03' W.	1980	13° 30' E.	
Boston	42° 22' N.	71° 03' W.	1985	13° 30' E.	
Boston	42° 22' N.	71° 03' W.	1990	13° 30' E.	
Boston	42° 22' N.	71° 03' W.	1995	13° 30' E.	
Boston	42° 22' N.	71° 03' W.	2000	13° 30' E.	

LIFE SAVER STATIONS

Name	Location	Character	Height	Range	Remarks
Castle Point	42° 28' N. 71° 00' W.	100 ft. 100 ft.	100 ft.	100 ft.	100 ft.
Castle Point	42° 28' N. 71° 00' W.	100 ft. 100 ft.	100 ft.	100 ft.	100 ft.
Castle Point	42° 28' N. 71° 00' W.	100 ft. 100 ft.	100 ft.	100 ft.	100 ft.
Castle Point	42° 28' N. 71° 00' W.	100 ft. 100 ft.	100 ft.	100 ft.	100 ft.
Castle Point	42° 28' N. 71° 00' W.	100 ft. 100 ft.	100 ft.	100 ft.	100 ft.
Castle Point	42° 28' N. 71° 00' W.	100 ft. 100 ft.	100 ft.	100 ft.	100 ft.
Castle Point	42° 28' N. 71° 00' W.	100 ft. 100 ft.	100 ft.	100 ft.	100 ft.
Castle Point	42° 28' N. 71° 00' W.	100 ft. 100 ft.	100 ft.	100 ft.	100 ft.
Castle Point	42° 28' N. 71° 00' W.	100 ft. 100 ft.	100 ft.	100 ft.	100 ft.
Castle Point	42° 28' N. 71° 00' W.	100 ft. 100 ft.	100 ft.	100 ft.	100 ft.

WEATHER SIGNAL

Name	Location	Character	Height	Range	Remarks
Castle Point	42° 28' N. 71° 00' W.	100 ft. 100 ft.	100 ft.	100 ft.	100 ft.
Castle Point	42° 28' N. 71° 00' W.	100 ft. 100 ft.	100 ft.	100 ft.	100 ft.
Castle Point	42° 28' N. 71° 00' W.	100 ft. 100 ft.	100 ft.	100 ft.	100 ft.
Castle Point	42° 28' N. 71° 00' W.	100 ft. 100 ft.	100 ft.	100 ft.	100 ft.
Castle Point	42° 28' N. 71° 00' W.	100 ft. 100 ft.	100 ft.	100 ft.	100 ft.
Castle Point	42° 28' N. 71° 00' W.	100 ft. 100 ft.	100 ft.	100 ft.	100 ft.
Castle Point	42° 28' N. 71° 00' W.	100 ft. 100 ft.	100 ft.	100 ft.	100 ft.
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Castle Point	42° 28' N. 71° 00' W.	100 ft. 100 ft.	100 ft.	100 ft.	100 ft.
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ABBREVIATIONS OF BOSTON

Abbreviation	Meaning
A	Anchor
B	Buoy
C	Chart
D	Dredge
E	Entrance
F	Fairway
G	Ground
H	Harbor
I	Island
J	Jetty
K	Keel
L	Light
M	Moor
N	Navigable
O	Obstruction
P	Point
Q	Quay
R	Race Point
S	Shoal
T	Tide
U	Unsound
V	Village
W	Wharf
X	Unknown
Y	Yacht
Z	Zodiac

NOTES

The principal soundings and their positions are indicated on this chart as follows:

1. All soundings are in fathoms, except where otherwise indicated.

2. All soundings are subject to the ordinary rise and fall of the tide.

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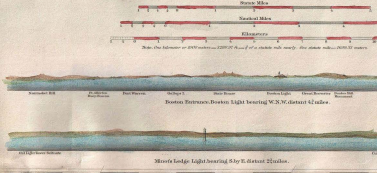
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COAST CHARTS 109 & 110
**MASSACHUSETTS BAY
WITH THE COAST FROM
CAPE ANN TO CAPE COD**

From an Engineering Survey
under the direction of A. B. MARCH and BENJ. PERCE, Superintendents of the
SURVEY OF THE COAST OF THE UNITED STATES

Scale: 1:50,000



Vertical: U.S. MEASUREMENTS
Horizontal: U.S. MEASUREMENTS

