

4623

U. S. COAST & GEODETIC SURVEY  
LIBRARY AND ARCHIVES

DEC 1 1931

Acc. No. \_\_\_\_\_

Form 504  
Ed. June, 1928

DEPARTMENT OF COMMERCE

U. S. COAST AND GEODETIC SURVEY

R. S. Patton, Director

State: Mass.

DESCRIPTIVE REPORT

Topographic

~~Hydrographic~~

Sheet No. "A" 4623

LOCALITY

Monomoy Island

~~Monomoy Point~~

19 31

CHIEF OF PARTY

C. A. Egner

D E S C R I P T I V E R E P O R T

T O \_ A C C O M P A N Y

T O P O G R A P H I C S H E E T N O. "A"

A T L A N T I C O C E A N

A N D N A N T U C K E T S O U N D

M O N O M O Y P T. T O C H A T H A M,

M A S S A C H U S E T T S

-----  
I N S T R U C T I O N S:

This survey was made under the Director's Instructions dated July 16, 1931.

M E T H O D S U R V E Y:

The usual plane-table method of survey was used; namely, three-point fixes and re-sections. There were no traverses run. The control used on this sheet consisted of third order triangulation.

E X T E N T:

This sheet comprises a resurvey of the shorelines of Monomoy Island on both sides from Monomoy Pt. to Chatham, and a small extent of the west shoreline of Stage Harbor.

D E S C R I P T I O N:

The shoreline on the ocean side is quite regular with no appreciable indentations. It is a sandy beach with a recessed line of dunes from Monomoy Pt. to a quarter-mile north of old  $\Delta$  Wreck. The highwater line on this shore slopes sharply to the lowwater line.

On the Nantucket Sound side the shoreline is generally irregular, with only a regular stretch from Powder Hole to Inward Pt. Powder Hole, as it now exists, is a lagoon formed by a crescent-shaped spit from Monomoy Pt. with only a relatively small inlet at the north. From Inward Pt. to Morris Island the shoreline is fringed with an irregular expanse of marsh. From Morris Island to the dike, there are a few small hills with a marshy water edge. There is a recessed bluff line of small elevations and it extends from Monomoy Pt. to Inward Pt. The beach on this side slopes gently from the bluff line to the water. There are several marsh islands north of Inward Pt.

COMPARISON WITH PREVIOUS SURVEYS:

The entire extent of Monomoy Island has undergone a radical change since the last survey. The shoreline extends from Monomoy Pt. to Chatham without a break, Making Monomoy Island a spit. The shifting dunes near Chatham have almost obliterated all signs of the passage that made Monomoy Island an island. On the southern tip, the shoreline extends farther south than the previous survey shows. The same forces which caused the building out of the beach at this point have formed a crescent-shaped spit that bounds Powder Hole on the westward.

STATISTICS:

Shoreline-----46.6 miles (statute)

Area----- 0.7 Square miles (statute)

LANDMARKS:

All prominent landmarks have been reported.

Respectfully submitted,

*William F. Deane*  
William F. Deane  
Aid

Approved and forwarded,

*C. A. Egnér*  
C. A. Egnér  
Chief of Party.

# TOPOGRAPHIC SIGNALS

NAME	LAT	D. M.	LONG	D. P.
Mon	41 33	16 (1835)	70 00	1323 ( 66)
No	32	1537 ( 314)	00	1016 ( 375)
Moy	32	1374 ( 477)	00	577 ( 814)
Tri	32	1547 ( 304)	00	200 (1291)
How	33	93 (1768)	59	1161 ( 230)
Car	33	644 (1217)	59	695 ( 696)
Do	33	1465 ( 396)	59	596 ( 795)
Bill	33	1733 ( 118)	59	436 ( 953)
Save	34	255 (1606)	59	359 (1031)
Tuck	34	598 (1253)	59	323 (1067)
Kil	34	1289 ( 562)	59	203 (1187)
Hot	35	000(1851)	59	0.00(1390)
Net	35	554 (1297)	58	1367 ( 23)
Use	35	1093 ( 758)	58	1291 ( 99)
Wire	35	644 (1007)	59	256 (1134)

DEPARTMENT OF COMMERCE  
U. S. COAST AND GEODETIC SURVEY

U. S. COAST & GEODETIC SURVEY  
LIBRARY AND ARCHIVES

DEC 1 1931

Acc. No. \_\_\_\_\_

TOPOGRAPHIC TITLE SHEET

REG. NO. 4623

The Topographic Sheet should be accompanied by this form, filled in as completely as possible, when the sheet is forwarded to the Office.

Field No. A

REGISTER NO. 4623

State Massachusetts

General locality Monomoy Island Cape Cod

Locality Monomoy Point I.

Scale 1/20,000 Date of survey August, 1931

Vessel M. V. NATOMA

Chief of Party C. A. Egner

Surveyed by William F. Deane

Inked by William F. Deane

Heights in feet above \_\_\_\_\_ to ground to tops of trees

Contour, Approximate contour, Form line interval \_\_\_\_\_ feet

Instructions dated July 16, 1931

Remarks: \_\_\_\_\_