

4622

U. S. COAST & GEODETIC SURVEY
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NOV 27 1931

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Form 504
Ed. June, 1928

DEPARTMENT OF COMMERCE

U. S. COAST AND GEODETIC SURVEY

R. S. Patton., Director

State: New York

DESCRIPTIVE REPORT

Topographic

Hydrographic

Sheet No. B

4622

LOCALITY

Long Island

Entrance to

Port Jefferson and Mt. Sinai Hbrs.

1931

CHIEF OF PARTY

C. A. Egnor

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. "B"
E N T R A N C E S T O
P O R T J E F F E R S O N H A R B O R
A N D M T. S I N A I H A R B O R

INSTRUCTIONS:

This survey was accomplished under instructions dated September 24, 1931.

METHOD:

The usual plane-table method of survey was used on this sheet. No traverses were run. The control used on this sheet consisted of third order triangulation.

EXTENT:

This sheet comprises a resurvey of the entrances to Port Jefferson Harbor and Mt. Sinai Harbor and approaches for three hundred meters on either side.

DESCRIPTION:

Sandy beaches extend beyond the limits of the sheet on either side of the entrance to Port Jefferson Harbor. There is a very substantial jetty on either side of the entrance channel to Port Jefferson Harbor. The shore line on the inner side of the westerly approach is marshy. The inner shore line on the easterly approach is sandy. The approaches are sparsely covered with grass.

Just inside the easterly breakwater is a sunken barge

surrounded by piles and dolphins, which is used as a mooring place for gravel barges.

The easterly approach to Mt. Sinai Harbor is sandy on the Sound shore and marshy on the Harbor shore. A sandy ridge, about fifteen feet high and one hundred meters wide, separates the marsh from the Sound. A stone breakwater protects the channel on either side. The outer end of the easterly breakwater is lighted by a red light on a post, flashes every three seconds. A day mark on a tree on the hillside marks the middle of the channel.

The westerly approach consists of a sand spit extending due east from the mainland. At its junction with the mainland the sand spit is covered at high water. This was the natural entrance to the Harbor but was filled in when present entrance was opened.

The shoreline of the mainland is very precipitous. The sand and gravel bank rises to a height of 50 to 100 feet. The hill tops are heavily covered with deciduous trees. This hill side is being cut away near the west breakwater by a sand and gravel company.

STATISTICS:

Shore-line--8.0 statute miles

Area-----1.0 square statute miles.

LANDMARKS:

There are no prominent landmarks on this sheet.

Respectfully submitted,

George R. Shelton

G. R. Shelton

Lieut. (j. g.)

Approved and forwarded,

C. A. Egner

C. A. Egner

Chief of Party

SHEET "B"

NAME	LAT.	D. M.	LONG	D. P.	REMARKS
Do	40 58 00	(369.0) 556.4	73 05 00	(542.0) 161.0	Not recoverable
Brown	" " "	(673.0) 252.4	" " 30	(428.0) 275.0	" "
Quat	" " "	715.0 210.4	" " "	(495.0) 608.0	" "
Gage	" " "	748.0 177.4	" " 00	(251.0) 452.0	Dolphin
Ruin	" " "	(813.4) 106.0	" " 30	(597.0) 106.0	Not recoverable
Rear	" " "	(892.4) 23.0	" " 00	(373.0) 330.0	Old shack on W.L.
Card	" 57 30	(11.0) 914.4	" " "	(329.0) 374.0	Not recoverable
Con	" " "	(62.0) 863.4	" " "	(37.0) 666.0	Old tidegauge well
Ket	" " "	(218.4) 707.0	" 02 00	(262.0) 441.0	Not recoverable
Dol	" " "	(364.4) 561.0	" " 30	(636.0) 67.0	N. W. dolphin.
Day	" " "	(464.4) 461.0	" " "	(480.0) 223.0	Δ day mark
Dreg	" " "	(527.0) 398.4	" " 00	(49.0) 654.0	Not recoverable
Lan	" " "	(635.4) 290.0	" " 30	(602.0) 101.0	" "
Fin	" " "	(708.4) 217.0	" " 00	(188.0) 515.0	" "
Mar	" " "	(860.4) 65.0	" " 00	(17.0) 686.0	" "
Lit	" " "	(109.0) 816.4	" " 30	(581.0) 122.0	Light on end of east breakwater.

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TOPOGRAPHIC TITLE SHEET

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. B

REGISTER NO. 4622

State New York

General locality Long Island

Entrance to
Locality Port Jefferson and Mt. Sinai Hbrs.

Scale 1:5000 Date of survey October, 1931

Vessel M. V. NATOMA

Chief of Party C. A. Egner

Surveyed by G. R. Shelton

Inked by G. R. Shelton

Heights in feet above H. W. to ground to tops of trees

Contour, Approximate contour, Form line interval feet

Instructions dated September 14, 1931

Remarks: