

4275

Form 504

DEPARTMENT OF COMMERCE

U. S. COAST AND GEODETIC SURVEY

....., Director

U. S. SURVEY

L. & A.

Acc. No.

State: New York

DESCRIPTIVE REPORT

Topographic

Hydrographic

Sheet No. 4275

LOCALITY

S. Shore of Long I.

South Oyster Bay

1926

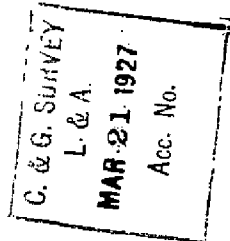
CHIEF OF PARTY

C.D. Meaney

GOVERNMENT PRINTING OFFICE

4275

original



DEPARTMENT OF COMMERCE
U.S. COAST AND GEODETIC SURVEY
E. Lester Jones, Director

DESCRIPTIVE REPORT
To Accompany
TOPOGRAPHIC SHEET NO. 4

LONG ISLAND SHORE PARTY
Season 1926

C. D. MEANEY, Jr. H. & G.E., C. & G.S.
Chief of Party

DESCRIPTIVE REPORT

To Accompany

TOPOGRAPHIC SHEET "4"

LOCALITY AND LIMITS

The area covered on this sheet is on the south coast of Long Island in Nassau County, New York. The western limit joins sheet No. 3 of this season on the north at \triangle Fort, longitude $73^{\circ}27.5$, and on the south near Zack's Inlet Coast Guard Station, longitude $73^{\circ}29.0$. The eastern limit of the sheet is longitude $73^{\circ}26.0$, near Jones Beach Coast Guard Station.

CONTROL

The control for the work on this sheet consists of the following third order triangulation stations established in 1909: Jones, Jones Beach L.S.S. Tower, Zack's Inlet L.S.S. Tower and Fort. The following points were located by planetable cuts and traverse at the beginning of the work on this sheet to supplement the triangulation for control: \odot Tower, Zack's Inlet C.G. Flag Tower; \odot Flag, Jones Beach C.G. Flag Tower; \odot Gun, Chimney on Game Club; Phone, telephone pole; \odot Rod, rod on small house; \odot Chimney, chimney on house.

All objects of a permanent nature within the limits of this sheet were located and described on Form 524. Numerous 2 x 4 stakes driven in the marsh and projecting two feet above the marsh were also located for future hydrographic control.

SURVEY METHODS

The usual planetable methods were employed. All shoreline details were rodded in from frequent planetable setups. West Islands and the small group of islands to the northeast were located by a sextant and plotted on the sheet.

A traverse, checked by three-point fixes, was run from \triangle Zacks C.G. Cupola to \odot Cup, thence along the beach to \triangle Jones, near the eastern limit of the sheet. Another traverse was run from \triangle Zacks C.G. Cupola to \odot Phone. All other shoreline details on the south side of South Oyster Bay were rodded in from frequent three-point fixes. A point common to two setups was rodded from each of two adjoining setups for check. On the north side, a combination of traverse and three-point fixes was used for control to rod in the shoreline details from \triangle Fort to the eastern limit of the sheet.

There were no resulting errors in traverses run on this sheet. Each planetable setup was checked by a three-point fix and any error adjusted before the shoreline was rodded in.

GENERAL DESCRIPTION:

The shoreline on the south coast from High Hill Beach to Jones Beach is a white sandy beach with a gentle slope from low water line to a storm water line. The mean high water line, which is shown in a full black line on the sheet, is approximately half way between the storm and the low water lines.

The area in back of the storm water line is sand dunes partly covered with sage brush. The sand hills rise to a maximum of twelve

feet above high water and are uniform in height along the beach.

There is a large, brackish pond about half way between Zack's Inlet and Jones Beach Coast Guard Stations, also three smaller ponds in the marsh on the north and west sides. ① Gun is the highest of two chimneys on the top of a game club building on the north side of the pond. A board walk leads from the club house to the bay 600 meters north.

The area shown as salt marsh from the vicinity of Zack's Inlet C.G. Station to longitude 73 27 consists of soft ground covered with grass. The ground in this area is, in general, covered at about three-quarter tide. The grass was never covered at high tide during the progress of the survey. The shoreline, as shown by the heavy black line, is definite, rising vertical from below the water. The marsh area is covered with grass and is partly firm. The water area which partly bares at extreme low tide is a very soft mud, too soft to walk across with hip boots in most places. Except at low tide, a row boat can go through any waterway.

The area shown as salt marsh from longitude 73 27 to the eastern limit of the sheet is similar to that described above with the exception of being more firm and is not, in general, covered at average high tide. This area is firm ground covered with marsh grass and above high water.

The entire marshy area on the sheet is covered by a rectangular system of mosquito ditches about 8 inches wide and 2 feet deep.

The marsh grass has covered the dithces over in many places.

Little Squaw Island and the group of small islands northeast of West Islands, also the small islets near @ Rob and Red, are marsh grass. At high tide, only the top of the grass can be seen.

Squaw Island is firm. The center is not covered at high tide. This island is leased by hunters for duck shooting.

The area shown as salt marsh on the north shore of South Oyster Bay is, for the most part, firm and covered with marsh grass and weeds. The many small streams in this vicinity are not large enough for a row boat. The bed of the small streams is very soft mud and they are difficult to cross without walking considerable distance inshore.

Jones Creek is navigable by small launches, drawing about two feet of water, to the vicinity of the divide. Row boats can go only a short distance up either creek beyond this point. Jones Creek is little used by launches and small boats at present.

The area in the vicinity of Unqua Point is bare sand about three feet above high water. The westerly one of the two canals shown is still under construction. The area on the sides of the canals is being filled by two dredges at work in the bay near the entrance to the canals.

IMPROVEMENTS.

The few improvements within the limits of this sheet are, mostly, in connection with the two U. S. Coast Guard Stations. A telephone line connects the two Coast Guard Stations with the other stations along the beach and with telephone lines on the main shore.

At Zack's Inlet C.G. Station, there are two small docks which may be reached through a channel from the northwest by a boat drawing three feet at high tide. A crude wagon road across the marsh leads from the docks to the C. G. Station. At Jones Beach C.G. Station, there is a very poor small dock which can be reached by a very narrow channel about three feet deep at half tide entering from the N.N.W. A trail leads from this landing to the station and another trail to the vicinity of the boat house on the outside beach.

A board walk leads from the game club across the marsh to the bay on the north side of the large brackish pond. A row boat can not enter this small bay at low tide.

CHANNELS

There is a channel known to be at least four feet deep across the south side of South Oyster Bay connecting the east and west limits of the sheet. There is a narrow channel of slightly less depth approaching Jones Coast Guard Station from this channel. The approximate locations of these channels are indicated in pencil on the sheet.

GEOGRAPHIC NAMES.

All geographic names used on this sheet were taken from chart No. 578. No new names were obtained.

PLANETABLE POSITIONS

TOPOGRAPHIC SHEET "4"

Name	Latitude	D.M.	Longitude	D.P.	Description
Stik	40 39	243	73 27	220	Post on shore line
San	40 39	366	73 26	1206	Pole driven in shoreline
Mac	40 39	169	73 26	486	Pole driven in shoreline
Ced	40 39	22	73 25	1254	Cedar post on shoreline
Land	40 37	1174	73 27	954	Concrete block (F567)
Les	40 37	1172	73 27	853	Concrete block (F567)
Sext	40 37	1735	73 26	467	Pole driven in marsh
Mon	40 37	1056	73 26	383	2 x 4 driven in marsh
Wop	40 37	909	73 26	1228	2 x 4 driven in marsh
John	40 37	742	73 26	953	2 x 4 driven in marsh
Rob	40 37	444	73 27	332	2 x 4 driven in small islet
Bill	40 37	50	73 27	618	2 x 4 driven in marsh
Jack	40 36	1652	73 27	1326	2 x 4 driven in marsh
Red	40 37	410	73 26	1194	Pole driven in marsh
Sat	40 37	280	73 26	545	Pole driven in marsh
Hut	40 36	1774	73 25	1313	Center small house
Rod	40 37	468	73 29	58	Rod in roof of house
Phone	40 36	1254	73 28	1258	Most northerly telephone pole
Arch	40 36	622	73 28	1395	Two posts braced together
Pole	40 35	1631	73 28	1297	Easterly of two flag poles
Tower	40 36	337	73 28	968	Steel Flag Tower, Zacks I.C.G. (F567)
Cup	40 35	1697	73 28	761	Small lookout house (F567)

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Guy	40	35	1742	73	28	577	Pole guyed up
House	40	36	46	73	28	257	South gable, boat house
Sign	40	36	226	73	27	941	Warning sign on 2x4 stake
Tree	40	36	333	73	27	636	Barrel in dead tree
Post	40	36	351	73	27	532	Barrel on post
Brace	40	36	383	73	27	419	Braced pole
Gun	40	36	1060	73	27	371	Highest chimney on Game Club (F567)
Flag	40	36	1254	73	26	395	Steel Flag Tower, Jones B.C.G. (F567)
Boat	40	36	849	73	26	40	South gable, boat house
Chimney	40	36	1565	73	26	56	Chimney on small dwelling (F567)

Respectfully submitted,

George L. Anderson
GEORGE L. ANDERSON
Jr. H. & G. Engineer, C. & G.S.
Topographer.

Approved:

C. D. Meaney
C. D. MEANEY,
JR. H. & G. Engineer, C. & G.S.
Chief of Party.

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

REG. NO. 4275

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. 4

REGISTER NO. 4275

State New York

General locality South Side Long Island

Locality South Oyster Bay

Scale 1:10,000 Date of survey Sept. Oct. & Nov., 1926

Vessel Launch No. 66

Chief of Party C. D. Maanay

Surveyed by George L. Anderson

Inked by George L. Anderson

Heights in feet above - - - - to ground to tops of trees

Contour, Approximate contour, Form line interval - - feet

Instructions dated April 30, 1926

Remarks: