DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

Director

U. S. SURVEY
L. & A.

State: New York

DESCRIPTIVE REPORT

Topographic

Hydrographic

Sheet No. 4275

LOCALITY

S. Shore of Long Is.,

South Oyster Bay

1926

CHIEF OF PARTY
C.D. Meaney
DEPARTMENT OF COMMERCE
U.S. COAST AND GEOFETIC SURVEY
E. Lester Jones, Director

DESCRIPTIVE REPORT
To Accompany
TOPOGRAPHIC SHEET NO. 4

LONG ISLAND SHORE PARTY
Season 1926

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 "A" Fort, longitude 73°27.5', and on the south near Zack's Inlet Coast Guard Station, longitude 73°29.0'. The eastern limit of the sheet is longitude 73°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 plan table cuts and traverse at the beginning of the work on this sheet to supplement the triangulation for control: ◇ Tower, Zack's Inlet C.G. Flag Tower; ◇ Flag, Jones Beach C.G. Flag Tower; ◇ Gun, Chimney on Game Club; Phone, telephone pole; ◇ Rod, rod on small house; ◇ 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 \( \Delta \)
Zacks C.G. Cupola to \( \bigcirc \) Cup, thence along the beach to \( \Delta \) Jones,
near the eastern limit of the sheet. Another traverse was run
from \( \Delta \) Zacks C.G. Cupola to \( \bigcirc \) Phone. All other shoreline de-
tails 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 con-
trol to rod in the shoreline details from \( \Delta \) 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. O 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 ditches 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 huntsmen 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 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 cannot 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.
<table>
<thead>
<tr>
<th>Name</th>
<th>Latitude</th>
<th>D.M.</th>
<th>Longitude</th>
<th>D.P.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Stik</td>
<td>40 39</td>
<td>243</td>
<td>73 27</td>
<td>220</td>
<td>Post on shore line</td>
</tr>
<tr>
<td>San</td>
<td>40 39</td>
<td>366</td>
<td>73 26</td>
<td>1206</td>
<td>Pole driven in shoreline</td>
</tr>
<tr>
<td>Mac</td>
<td>40 39</td>
<td>169</td>
<td>73 26</td>
<td>466</td>
<td>Pole driven in shoreline</td>
</tr>
<tr>
<td>Ced</td>
<td>40 39</td>
<td>22</td>
<td>73 25</td>
<td>1254</td>
<td>Cedar post on shoreline</td>
</tr>
<tr>
<td>Land</td>
<td>40 37</td>
<td>1174</td>
<td>73 27</td>
<td>954</td>
<td>Concrete block (F567)</td>
</tr>
<tr>
<td>Les</td>
<td>40 37</td>
<td>1172</td>
<td>73 27</td>
<td>853</td>
<td>Concrete block (F567)</td>
</tr>
<tr>
<td>Sext</td>
<td>40 37</td>
<td>1735</td>
<td>73 26</td>
<td>467</td>
<td>Pole driven in marsh</td>
</tr>
<tr>
<td>Mon</td>
<td>40 37</td>
<td>1056</td>
<td>73 26</td>
<td>363</td>
<td>2 x 4 driven in marsh</td>
</tr>
<tr>
<td>Wop</td>
<td>40 37</td>
<td>909</td>
<td>73 26</td>
<td>1228</td>
<td>2 x 4 driven in marsh</td>
</tr>
<tr>
<td>John</td>
<td>40 37</td>
<td>742</td>
<td>73 25</td>
<td>953</td>
<td>2 x 4 driven in marsh</td>
</tr>
<tr>
<td>Rob</td>
<td>40 37</td>
<td>444</td>
<td>73 27</td>
<td>332</td>
<td>2 x 4 driven in small islet</td>
</tr>
<tr>
<td>Bill</td>
<td>40 37</td>
<td>50</td>
<td>73 27</td>
<td>618</td>
<td>2 x 4 driven in marsh</td>
</tr>
<tr>
<td>Jack</td>
<td>40 36</td>
<td>1652</td>
<td>73 27</td>
<td>1326</td>
<td>2 x 4 driven in marsh</td>
</tr>
<tr>
<td>Red</td>
<td>40 37</td>
<td>410</td>
<td>73 25</td>
<td>1194</td>
<td>Pole driven in marsh</td>
</tr>
<tr>
<td>Sat</td>
<td>40 37</td>
<td>280</td>
<td>73 26</td>
<td>545</td>
<td>Pole driven in marsh</td>
</tr>
<tr>
<td>Hut</td>
<td>40 36</td>
<td>1774</td>
<td>73 25</td>
<td>1313</td>
<td>Center small house</td>
</tr>
<tr>
<td>Rod</td>
<td>40 37</td>
<td>466</td>
<td>73 29</td>
<td>58</td>
<td>Rod in roof of house</td>
</tr>
<tr>
<td>Phone</td>
<td>40 36</td>
<td>1254</td>
<td>73 28</td>
<td>1258</td>
<td>Most northerly telephone pole</td>
</tr>
<tr>
<td>Arch</td>
<td>40 36</td>
<td>622</td>
<td>73 28</td>
<td>1395</td>
<td>Two posts braced together</td>
</tr>
<tr>
<td>Pole</td>
<td>40 35</td>
<td>1631</td>
<td>73 28</td>
<td>1297</td>
<td>Easterly of two flag poles</td>
</tr>
<tr>
<td>Tower</td>
<td>40 36</td>
<td>337</td>
<td>73 28</td>
<td>966</td>
<td>Steel Flag Tower, Zacks I.C.G. (F567)</td>
</tr>
<tr>
<td>Cup</td>
<td>40 35</td>
<td>1697</td>
<td>73 28</td>
<td>761</td>
<td>Small lookout house (F567)</td>
</tr>
<tr>
<td>Object</td>
<td>Identification Numbers</td>
<td>Description</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>--------</td>
<td>------------------------</td>
<td>-------------</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Guy</td>
<td>40 35 1742 73 28</td>
<td>Pole guyed up</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>House</td>
<td>40 36 46 73 28</td>
<td>South gable, boat house</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sign</td>
<td>40 36 226 73 27</td>
<td>Warning sign on 2x4 stake</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Tree</td>
<td>40 36 333 73 27</td>
<td>Barrel in dead tree</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Post</td>
<td>40 36 351 73 27</td>
<td>Barrel on post</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Brace</td>
<td>40 36 383 73 27</td>
<td>Braced pole</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Gun</td>
<td>40 36 1060 73 27</td>
<td>Highest chimney on Game Club (F567)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Flag</td>
<td>40 36 1254 73 26</td>
<td>Steel Flag Tower, Jones B.C.G. (F567)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Boat</td>
<td>40 36 949 73 26</td>
<td>South gable, boat house</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Chimney</td>
<td>40 36 1565 73 26</td>
<td>Chimney on small dwelling (F567)</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Respectfully submitted,

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

Approved:

C. D. Meaney  
JR. H. & G. Engineer, C.& G.S.  
Chief of Party.
The following determined objects are prominent, can be readily distinguished from seaward from the description given below, and should be charted:

<table>
<thead>
<tr>
<th>Description</th>
<th>Latitude D, M. meters</th>
<th>Longitude D, T. meters</th>
<th>Datum</th>
<th>Method of determination</th>
<th>Charts affected</th>
</tr>
</thead>
<tbody>
<tr>
<td>Easterly of 2 flag poles</td>
<td>40 36 1631</td>
<td>73 28 1297</td>
<td>N.A.</td>
<td>Planetable</td>
<td>1215</td>
</tr>
<tr>
<td>High Hill Beach</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Steel Flag Tower</td>
<td>40 36 337</td>
<td>73 28 966</td>
<td></td>
<td>Planetable</td>
<td>1215</td>
</tr>
<tr>
<td>Zack's I.C.G.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Highest chimney on Game Club</td>
<td>40 36 1069</td>
<td>73 27 371</td>
<td></td>
<td>Planetable</td>
<td>1215</td>
</tr>
<tr>
<td>Steel Flag tower</td>
<td>40 36 1254</td>
<td>73 25 395</td>
<td></td>
<td>Planetable</td>
<td>1215</td>
</tr>
<tr>
<td>Jones B.C.G.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Chimney, small house</td>
<td>40 36 1565</td>
<td>73 26 56</td>
<td></td>
<td>Planetable</td>
<td>1215</td>
</tr>
</tbody>
</table>

A list of objects which are of sufficient prominence for use on the charts, together with a description of the same, must be furnished in a special report on this form, and a copy of such report must be attached by the Chief of Party to his descriptive report. The selection, determination, and description of these points are of primary importance. The description of each object should be short, but such as will identify it; for example, standpipe, water tower, church spire, tank, tall stack, red chimney, radio mast, etc. Generally, flagstaffs and like objects are not sufficiently permanent to chart.
DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

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 G. D. Hare

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

...