Department of Commerce and Labor
COAST AND GEODETIC SURVEY

O. H. Tutman
Superintendent.

State: New York

DESCRIPTIVE REPORT.

Locality:
Long Island, south shore
from Cedar Island to
Fire Island Light

1909

Chief of Party:

L. B. Damon
Descriptive Report
Topographic Sheet
No. 2948

with list of Planetary positions
Objects useful to navigation
data for revision of note Signal
Station on Charts Nos. 8-52-119

Sept 20-1909.

El Saltram
Chief of Port., Co.gd.
Descriptive Report,
Topographic Sheet Number 2948
South Shore of Long Island, New York.
From Fire Island Inlet to Cedar Island.

This sheet was surveyed during the months of April and
May 1909, in compliance with instructions dated March 22, 1909.

This sheet is not a complete topographical survey of the
region shown, but a survey for the revision of Coast
Survey Chart, number 119, including a redetermination
and checking of the shore line, and the locating of objects
useful for navigation purposes. The entire ocean
beach was resurveyed, also the shore line in the
vicinity of Fire Island Inlet. At other places the position
of the shore line in Great South Bay was tested by transfer
of the shore line from the survey of 1875 and later. The old
shore line was found to be but little changed, and the
old shore line was assumed to be good for this date.

The summer resort at Oak Island Beach and the
club houses in the immediate vicinity of Fire
Island Inlet are all the improvements on the
sheet. There is a ferry, operated between Oak Island
and the following points, Amityville, Babylon and
Bay Shore. Boats run about twice each day
during July, August and September.

A blue print Copy of the survey by the Engineer Corps of the Army made in 1905, in three sheets, is filed in the office by me. This survey was connected with Coast Survey data by my triangulation.

A list of positions and their elevations of objects determined by the plane table, a list of objects probable of use in navigation, data for a revision of the light [illegible] Station on Charts Nos. 8-52 and 119 are herewith submitted. Suggestions of revision to the Forty Coast pilot in the region covered by the plans thus is submitted separately.

Respectfully,

E.S. Satham
Assistant U.S. Survey

Washington, Sept. 20th, 1909
Prominent objects of probable use to navigation:

Towers of the Western Union and Postal Telegraph Companies on Firi Island Beach. Owing to the proximity of Firi Island Light House, these objects are of almost full utility.

The water tower and buildings at Point of Woods. (Not on sheet no. 29x8.)

Firi Island Life Saving Station. Five and one half miles east of Firi Island inlet entrance to Channel.

Harbor on Oak Island Beach; one mile to east of entrance to Firi Island inlet, entrance to Channel.

Inside miles, Hawkeyes Creek louver, 3/4 a mile Yonder, and Short Beach Club house.
<table>
<thead>
<tr>
<th>Objects</th>
<th>Latitude</th>
<th>Longitude</th>
<th>Feet</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>Square Black tower</td>
<td>40 37</td>
<td>1567</td>
<td>73 12</td>
<td>1058 97</td>
</tr>
<tr>
<td>East Meet Minds Eye, Starkey</td>
<td>40 37</td>
<td>1817</td>
<td>73 12</td>
<td>1377 Starkey Station.</td>
</tr>
<tr>
<td>Boundary stone and Hunchillum</td>
<td>40 38</td>
<td>120</td>
<td>73 12</td>
<td>1342</td>
</tr>
<tr>
<td>Flag pole Short Beach Club</td>
<td>40 38</td>
<td>1685</td>
<td>73 13</td>
<td>826 69 Top of Club house</td>
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<tr>
<td>Oyster house</td>
<td>40 38</td>
<td>1588</td>
<td>73 14</td>
<td>1318</td>
</tr>
<tr>
<td>Oyster house, top of house</td>
<td>40 38</td>
<td>1669</td>
<td>73 14</td>
<td>1211 22 Top of stove pipe</td>
</tr>
<tr>
<td>FAO nrich terra cotta pipe</td>
<td>40 39</td>
<td>563</td>
<td>73 14</td>
<td>883 1</td>
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<tr>
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<td>62</td>
<td>73 14</td>
<td>283 1</td>
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<tr>
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<td>393</td>
<td>73 15</td>
<td>533</td>
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<tr>
<td>Telegraph line pole, Cable landing</td>
<td>40 39</td>
<td>1563</td>
<td>73 14</td>
<td>526 685 Mediterranean shoalage</td>
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<tr>
<td>Long Island Life Saving Station</td>
<td>40 39</td>
<td>1237</td>
<td>73 13</td>
<td>682 30 Top of pyramidal tower</td>
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<tr>
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<td>946</td>
<td>73 15</td>
<td>1320 2 FAO nrich terra cotta pipe</td>
</tr>
</tbody>
</table>
Data for note, Telegraph Signal Stations
(Charts Nos. 8, 52 and 1119)

The Western Union and Packet Telegraph Companies maintain observation towers and wireless telegraph stations on Fire Island Beach.
Each company has an observer on duty, day and night to report vessels or to transmit messages.

The United States Navy Department has a wireless station on Fire Island Beach.

The position of the Navy Department and the Western Union Co. Station is shown on topographic sheet no. 2948.
The position of the Packet Co. Station as well as that of the first two stations mentioned, is determined by the triangulation of 1909.

Respectfully,

J.R. Sather
Assistant Chief Survey