Department of Commerce and Labor
COAST AND GEODETIC SURVEY

Superintendent.

State: N. Y.

DESCRIPTIVE REPORT.

Depl. Dept. Sheet No. 2945
3945

LOCALITY:
South shore of Long Is.,
Long Beach to Edgemere

1908-9

CHIEF OF PARTY:

M. P. A. R. A.
Descriptive report to accompany

Topographic Sheet No. 2945 (and 2945-a)

Survey of South Shore of Long I., N.Y. from
Long Beach to Edgemere

By Homer C. Atlee, Asst. Cpt. U.S. Army

1908-1909

Scale 1/40000.
Topographic Sheet No. 2945.

Department of Commerce and Labor,
Coast and Geodetic Survey.

O.H. Tittmann, Superintendent.

Survey of the south shore of Long Is., N.Y. from Long Beach to Edgemere.

By Homer P. Ritter, Asst. Coast Survey.

1908-1909.

Scale: 10,000.

Note: Being a Revision of Topog. Sheet No. 1471 a.

Changes (in red) to Aug. 1909, made in the field.
This is the original sheet of the changes, and was made on tracing vellum in accordance with instructions of Nov. 7, 1908.

H.P.R.

Oct. 11, 1909.
This survey was made in accordance with Superintendent's instructions of Nov. 7, 1908, which directed that an examination be made of the portion of the south coast of Long Island, at and in the vicinity of East Rockaway Inlet.

A copy of Chart No. 119 was furnished by the office; also the original topographic sheet No. 447 1/2 of 1879.

The present conditions were to be indicated on Chart 119, or if that scale was too small, to use a full-size tracing of the original topographic sheet.

The survey was begun on Nov. 11, 1908 and carried on in conjunction with other work at various times. The work was not continuous on account of being broken into by numerous other urgent details and assignments.

The field sheet containing the corrections up to Aug. 1909, was forwarded to the Office on Oct. 11, 1909.

In May 8, 1909 in accordance with a request from the Office (May 5, 1909) a tracing of the work up to that time was forwarded.
This preliminary sheet was given topographic sheet number 2945.

On examination it was found that the topographic changes since the 1879 survey were so great that practically a new re-survey was necessary.

The survey consisted in making a tracing of topographic sheet 1471. Then augmenting the few remaining triangulation and other fixed points by numerous additional points determined by sextant angles and plotted on the tracing by intersections.

This work was controlled by triangulation stations at the eastern and western end of the survey.

The topographic features were then determined by intersections, steel tape measures, pacing, etc.

A number of local surveys were obtained and made use of, by reducing them to the scale of the sheet and plotting them thereon.

The salient points of these reductions were checked on the ground by sextant angles on the C. & G. S. triangulation points.

In revising the shoreline, location of isolated
wharves and other principal features, angles taken with sextant on located points were made use of.

For the location of the buildings in a block bounded by streets, and other minor details, pacing was resorted to.

In inking the buildings on the sheet no endeavor was made to distinguish brick or stone from wooden structures by solid black or open shading. The two shading were used more for clear depiction of the separation of the buildings, having in mind that this data if used at all by the Office would be on a reduced scale.

As no plane table was used, no list of A.T. positions are given.

A list of a number of the located points by sextant is given.

Cayley Survey Charts Nos. 119-120 W 542 are effected by the changes shown on the sheet.
<table>
<thead>
<tr>
<th>Object &amp; Description</th>
<th>Latitude D.M.</th>
<th>Longitude D.P.</th>
<th>Height</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>Edgemere Hotel, Lg.</td>
<td>40 35</td>
<td>73 46</td>
<td>91</td>
<td></td>
</tr>
<tr>
<td>Ft. Rockaway Sch. Ho.</td>
<td>40 35</td>
<td>73 45</td>
<td>17</td>
<td></td>
</tr>
<tr>
<td>Bathing Pavilion</td>
<td>40 35</td>
<td>73 45</td>
<td>15</td>
<td></td>
</tr>
<tr>
<td>White Ho. Cup.</td>
<td>40 35</td>
<td>73 43</td>
<td>67.5</td>
<td></td>
</tr>
<tr>
<td>Red</td>
<td>40 35</td>
<td>73 43</td>
<td>325</td>
<td></td>
</tr>
<tr>
<td>Club Ho. flag staff.</td>
<td>40 35</td>
<td>73 42</td>
<td>12.93</td>
<td></td>
</tr>
<tr>
<td>Flag staff.</td>
<td>40 35</td>
<td>73 41</td>
<td>108.5</td>
<td></td>
</tr>
<tr>
<td>Cottage Chy.</td>
<td>40 35</td>
<td>73 41</td>
<td>8.52</td>
<td></td>
</tr>
<tr>
<td>Western End of Board Walk</td>
<td>40 35</td>
<td>73 41</td>
<td>3.33</td>
<td></td>
</tr>
<tr>
<td>Lifesaving Sta. Lg.</td>
<td>40 35</td>
<td>73 41</td>
<td>76</td>
<td></td>
</tr>
<tr>
<td>Cupola</td>
<td>40 35</td>
<td>73 41</td>
<td>70</td>
<td></td>
</tr>
<tr>
<td>Nassau Hotel S.E. Corner</td>
<td>40 35</td>
<td>73 40</td>
<td>64</td>
<td></td>
</tr>
<tr>
<td>Water tank</td>
<td>40 35</td>
<td>73 39</td>
<td>124.7</td>
<td>Burnt down July 1909</td>
</tr>
<tr>
<td>Cupola Lg.</td>
<td>40 35</td>
<td>73 39</td>
<td>67.0</td>
<td>Tear down July 1909</td>
</tr>
<tr>
<td>Poorhouse Lg.</td>
<td>40 36</td>
<td>73 39</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Old Depot</td>
<td>40 35</td>
<td>73 39</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>