DEPARTMENT OF COMMERCE
U.S. COAST AND GEODETIC SURVEY

State: Massachusetts

DESCRIPTIVE REPORT.

Topographic Sheet No. B 4394

Locality:

Cape Ann
Annisquam River, Jones River
Mill River and Lobster Cove

1988

Chief of Party:

Raymond P. Eyman
DESCRPTIVE REPORT

to accompany

TOPOGRAPHIC SHEET "UV"

(1) Authority
This survey was made under instructions in the Director's orders dated

(2) Locality and Limits
The area covered on this sheet extends north from a point on the east
side of the shoreline of the Annisquam River directly east of where the Little
River joins the Annisquam River to the northernmost tip of the stone dump at Bay
View, including also a portion of Coffin Beach.

(3) Control
The control for this survey consists of Third Order Triangulation sta-
tions established by this party and one additional station established in 1902.
List accompanies this report to show the recoverable stations.

All objects of a permanent nature within the limits of this sheet were
located and described on Form 524. Many signals such as white-washed rocks, rags
on trees, small tripods, and single poles were also located for the hydrographic
control.

(4) Survey Methods
The usual planeta ble methods were employed, rodding in all shore line
details from frequent planeta ble setups.

The traverse was started by occupying Cu at the southern end of the
sheet and running in the river shoreline, checking the traverse at Tc and at Ca,
also taking in the Jones River and its many branches. The extremity of the coast-
line was checked by a three-point fix at Pod and the extremity at Coffin Beach
was checked at Las. There were no resulting errors in the traverse on this
sheet. Most every planeta ble setup was checked by a three-point fix and the error
adjusted before the shoreline and detail were rodded in.

(5) General Description
The shoreline of the west side of the Annisquam River, starting at Cu
is of rocky ledge formation rising to a height of about twenty feet above high
water, and extending shoreward a short distance. This type of formation is gen-
eral, with occasional gaps in the ledge where the elevation drops to about two
feet. The ledge formation ends abruptly just north of Doc and then takes on a
marshy shoreline, which continues along the west shore of the river as far north
as Tripe, with one exception. Due north of Pan a ledge formation is in evidence
and continues north to a point due west from Rid.

At Tripe the marsh land has become somewhat firm due to wind blown sand
that still sprouting the characteristic marsh grass. A flat sand beach runs from
Tripe to Hop, extending for quite some distance towards the river channel. At
Hop there is an out-cropping of ledge and rocks with a series of sand dunes
shoreward. Intermittent out-croppings continue along the shore to a point about
175 meters west of Rop, where Coffin Beach starts with a long sand beach of very
white and fine sand, extending gradually into Ipswich Bay and with sand dunes in-
shore from the high water mark on the beach. The black line on the sheet repre-
sents the mean high water line, and is easily distinguished from the storm line
marked by lodged debris of various description.
The east coast of the Annisquam River from Pay to Dab is of a rocky nature with ledge formation in evidence, and rising in places to a height of forty feet in the vicinity of Wolf Hill. From Dab to Pea the shore line is marsh land and flat, with no firmness under foot and covered with marsh grass. This portion of the shoreline shows three quite prominent indentures. At Pea the shore becomes firm and rock strewn, continuing in this manner up the river to Wheeler Point, where Mill River runs into the Annisquam River. The entire shoreline of Mill River is of a firm and solid nature, with boulders intermittently placed. Due north of Wig is a large area of marsh land. The mean high water line is represented by the heavy black line on the sheet. This marsh land is surrounded by mud flats, and the land itself is soggy and unfirm, being partially covered by water during storm tides. The mainland shoreline from Wig north is firm underfoot and continues so through Goose Cove and Lobster Cove, and south as far as the tip of the mainland at Mag, where the shoreline continues as a low rocky ledge with occasional boulders as far north as the quarry dump north of Davis Neck. The southern end of this sheet joins with the northern end of sheet "A".

(6) **Scale**

The scale of the sheet on this survey is 1 to 5,000.

(7) **Anchorage**

A number of small boats find anchorage at the entrance to Lobster Cove from a point due east of Mag, and running as far north as Os.

(8) **Rivers**

The largest river is the Annisquam River, which runs from Western Harbor to Ipswich Bay. A channel through this distance was surveyed by this party and is described in another report. The Jones River has a southern entrance near Pay and Mag running due west then changing its course to north and back to east again, entering the Annisquam River at Dab. The entire shoreline is marsh land. The high water line shown by the heavy black line on the sheet is well defined, the banks rising vertically from the bed of the river. This marsh land is wet underfoot and covered with tall marsh grass. At high tide the ground is water soaked and unfirm. Mill River runs from Pay to Gig and Gag. A channel was surveyed by this party and a report accompanies another sheet.

(9) **Comparison with former work**

Before the field work of this survey was started, an enlargement was made from chart #243 to the scale of 1 to 5,000, and the shoreline and detail placed upon the projection. The present survey shows changes, but mostly of minor characteristics. In the marsh lands it was quite obvious that changes were possible with each storm tide, and each change carefully noted. Along the shoreline where ledge and boulder formation were found there were many changes where the present line delineated from the past survey, this might be accounted for, somewhat, in the scale of the sheet, as all evident detail was plainly pictured.

The roads as shown on the sheet in blue were checked up in several places and changes noted. As a general rule there was not a great deal of change in the location of the roads. The contours throughout the vicinity were found to be about the same as shown on the enlargement of chart #243.

(10) **Landmarks**

**No.** is a red brick chimney on a house made prominent by its unattached location. The house is high on the ridge south of Coffin Beach and sets off by itself.

Annisquam Lt. House is prominently located on a point of land that projects just north of Annisquam Harbor.

Coff is a small summer pavilion on the rocks that rise among the sand dunes just west of No. The sand dunes are of white sand and the rocks upon which the house is built are of a dark brown color to reddish, and stand out quite prominently.
Le Page is the red brick stack of Le Page's Glue Factory and shows prominently to most any part of the Anniasquam River, but is of little value to any vessel off the coast.

(II) Recoverable Signals
A list of permanent signals on this sheet accompanies this report.

Respectfully submitted,

[Signature]
Lieut. (j.g.) U.S.C.&G.S.
Topographer.
<table>
<thead>
<tr>
<th>Object and description</th>
<th>Remarks</th>
<th>Latitude</th>
<th>D. M.</th>
<th>Longitude</th>
<th>D. P.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Large white ball on dock</td>
<td>Old mine</td>
<td>42 39</td>
<td>646</td>
<td>70 40.5</td>
<td>94</td>
</tr>
<tr>
<td>Large boulder - Outer one of group</td>
<td>&quot;exit&quot;</td>
<td>42 38</td>
<td>706</td>
<td>70 40</td>
<td>672</td>
</tr>
<tr>
<td>Large boulder - Marked with disc</td>
<td></td>
<td>42 37.5</td>
<td>397</td>
<td>70 42</td>
<td>178</td>
</tr>
<tr>
<td>Prominent white box - At swimming pool</td>
<td></td>
<td>42 38</td>
<td>170</td>
<td>70 42</td>
<td>9</td>
</tr>
<tr>
<td>Civil war monument</td>
<td></td>
<td>42 37.5</td>
<td>905</td>
<td>70 40.5</td>
<td>253</td>
</tr>
<tr>
<td>Large flagstaff on dock - Annisquam Yacht Club</td>
<td></td>
<td>42 39</td>
<td>216</td>
<td>70 40.5</td>
<td>409</td>
</tr>
<tr>
<td>Prominent rock ledge - Marked with disc</td>
<td></td>
<td>42 37.5</td>
<td>616</td>
<td>70 41.5</td>
<td>40</td>
</tr>
<tr>
<td>Small lone fir tree</td>
<td></td>
<td>42 38</td>
<td>328</td>
<td>70 41.5</td>
<td>376</td>
</tr>
<tr>
<td>Flagstaff near monument</td>
<td></td>
<td>42 37.5</td>
<td>902</td>
<td>70 40.5</td>
<td>248</td>
</tr>
<tr>
<td>Top of rock ledge - Small rounded top</td>
<td></td>
<td>42 39</td>
<td>371</td>
<td>70 41</td>
<td>280</td>
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<tr>
<td>Small stone pier - Ladder on outer end, north</td>
<td></td>
<td>42 39</td>
<td>296</td>
<td>70 40.5</td>
<td>192</td>
</tr>
<tr>
<td>Flagpole near lone house - Side</td>
<td></td>
<td>42 38.5</td>
<td>289</td>
<td>70 41</td>
<td>640</td>
</tr>
<tr>
<td>Large boulder on lawn - In front of house</td>
<td></td>
<td>42 37.5</td>
<td>406</td>
<td>70 41</td>
<td>482</td>
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<tr>
<td>Small flagpole on dock</td>
<td></td>
<td>42 39</td>
<td>224</td>
<td>70 40.5</td>
<td>260</td>
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<tr>
<td>Chy. on small shack</td>
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<td>42 37.5</td>
<td>974</td>
<td>70 41.5</td>
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<tr>
<td>Small prominent rock ledge - Projects from</td>
<td></td>
<td>42 39</td>
<td>376</td>
<td>70 40.5</td>
<td>621</td>
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<tr>
<td>Cupola on dock pavilion - Built up foundation</td>
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<td>42 37</td>
<td>622</td>
<td>70 41</td>
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<tr>
<td>Outer pier for small dock - Of house</td>
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<td>525</td>
<td>70 41</td>
<td>560</td>
</tr>
<tr>
<td>Large prominent boulder</td>
<td></td>
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<td>70 40</td>
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<td>Large flagstaff at L.S.S.</td>
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<td>452</td>
<td>70 40.5</td>
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<tr>
<td>Black beacon #5, pile dolphin</td>
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<td>42 37</td>
<td>620</td>
<td>70 41</td>
<td>468</td>
</tr>
<tr>
<td>Black beacon #3, pile dolphin</td>
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<td>70 41.5</td>
<td>15</td>
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<td>Small flag pole</td>
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<td>367</td>
<td>70 40.5</td>
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<tr>
<td>Flag pole near yellow house</td>
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<td>42 38</td>
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<td>70 41.5</td>
<td>493</td>
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<tr>
<td>Prominent rock ledge - Marked with disc</td>
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<td>70 40.5</td>
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</tr>
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<td>Bay View Ch. Spire</td>
<td></td>
<td>42 40</td>
<td>420</td>
<td>70 39.5</td>
<td>644</td>
</tr>
</tbody>
</table>
LANDMARKS FOR CHARTS

Washington, D.C.

March 12, 1929

DIRECTOR, U. S. COAST AND GEODETIC SURVEY:
The following determined objects are prominent, can be readily distinguished from seaward from the description given below, and should be charted.

Raymond L. Beaman
Chief of Party.

<table>
<thead>
<tr>
<th>DESCRIPTION</th>
<th>LATITUDE</th>
<th>LONGITUDE</th>
<th>DATUM</th>
<th>METHOD OF DETERMINATION</th>
<th>CHARTS AFFECTED</th>
</tr>
</thead>
<tbody>
<tr>
<td>Red chy., Lone house</td>
<td>42 39</td>
<td>1846.8</td>
<td>70 42</td>
<td>89.2 N.A.</td>
<td>243</td>
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<tr>
<td>Roofed Platform, Brown</td>
<td>47 39</td>
<td>252.8</td>
<td>70 41</td>
<td>55 0 N.A.</td>
<td>243</td>
</tr>
<tr>
<td>Rks. against white sand</td>
<td>42 39</td>
<td>252.8</td>
<td>70 41</td>
<td>55 0 N.A.</td>
<td>243</td>
</tr>
<tr>
<td>Bay View</td>
<td>42 40</td>
<td>420</td>
<td>70 39</td>
<td>1327 N. A.</td>
<td>243</td>
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<tr>
<td>Lone Church Spire</td>
<td>42 40</td>
<td>420</td>
<td>70 39</td>
<td>1327 N. A.</td>
<td>243</td>
</tr>
</tbody>
</table>

See also page 2 of this report for more detailed description.

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 Letter \_B\_

REGISTER NO. 4394

State Massachusetts

General locality Cape Ann

Locality Annisquam River

Scale 1:5000 Date of survey September 1928

Vessel U.S.C. & G.S. L. #65

Chief of Party Raymond P. Hyman, H. & G. E.

Surveyed by L. C. Johnson

Inked by L. C. J.

Heights in feet above to ground to tops of trees

Contour Approximate contour Form line interval feet

Instructions dated May 22, 1928

Remarks:

U. S. COAST AND GEODETIC SURVEY

555

4394