

4394

Form 504

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

State: Massachusetts

11-5613

DESCRIPTIVE REPORT.

Topographic Sheet No. B **4394**

LOCALITY:

Cape Ann

Annisquam River, Jones River

Mill River and Lobster Cove

1929

CHIEF OF PARTY:

Raymond P. Eyman

4394

DESCRIPTIVE REPORT
to accompany
TOPOGRAPHIC SHEET "B"

(1) Authority

This survey was made under instructions in the Director's orders dated May 22, 1928, to Lieut. R.P. Eyman, Chief of Party, Gloucester Shore Party.

(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 northern most 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 stations established by this party and one additional station established in 1902. List accompanies this report to show all 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 planetable methods were employed, rodding in all shore line details from frequent planetable 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 To and at On, also taking in the Jones River and its many branches. The extremity of the coastline 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 run on this sheet. Most every planetable 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 general, 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 Bid.

At Tripe the marsh land has become somewhat firm due to wind blown sand tho 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 Rip, where Coffin Beach starts with a long sand beach of very white and fine sand, extending gradually into Ipswich Bay and with sand dunes inshore from the high water mark on the beach. The black line on the sheet represents the mean high water line, and is easily distinguished from the storm line marked by lodged debris of various description.

2.

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 on 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 thruout 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 Og.

(8) Rivers

The largest river is the Annisquam River, which runs from Western Harbor to Ipswich Bay. A channel thruout this distance was surveyed by this party and is described in another report. The Jones River has a southern entrance near Pan and Ney running due west then changing its course to north and back to east again, entering the Annisquam River at Bad. 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 under foot and covered with tall marsh grass. At high tide the ground is water soaked and unfirm.

Mill River runs from Tub to Civ 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 thruout the vicinity were found to be about the same as shown on the enlargement of chart #243.

(10) Landmarks

Ho is a red brick chimney on a house made prominent by its ^{de}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 Hop. 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 Pages 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,

Lionard C. Johnson
Lieut. (j.g.) U.S.C.&G.S.
Topographer.

PLANE - TABLE POSITIONS

Object and description	Remarks	Latitude	D. M.	Longitude	D. P.
Large white ball on dock	Old mine	42 39	648	70 40.5	94
Large boulder	- Outer one of group "St"	42 38	706	70 40	672
Large lone boulder	Marked with disc	42 37.5	397	70 42	178
Prominent white box	At swimming pool	42 38	170	70 42	9
Civil war monument		42 37.5	905	70 40.5	253
Large flagstaff on dock	-Annisquam Yacht Club	42 39	216	70 40.5	409
Prominent rock ledge	Marked with disc	42 37.5	616	70 41.5	40
Small lone fir tree		42 38	328	70 41.5	378
Flagstaff near monument		42 37.5	902	70 40.5	248
Top of rock ledge	Small rounded top	42 39	371	70 41	280
Small stone pier-Ladder on outer end,	north	42 39	296	70 40.5	192
Flagpole near lone house	side	42 38.5	289	70 41	640
Large boulder on lawn	In front of house	42 37.5	406	70 41	482
Small flagpole on dock		42 39	224	70 40.5	260
Chy. on small shack		42 37.5	874	70 41.5	84
Small prominent rock ledge	Projects from	42 39	376	70 40.5	621
Cupola on dock pavilion	(built up foundation	42 37	622	70 41	434
Outer pier for small dock	of house.	42 37.5	525	70 41	560
Large prominent boulder	"Sob"	42 38.5	56	70 40	576
Large flagstaff	at L.S.S.	42 39.5	452	70 40.5	519
Black beacon #5, pile dolphin		42 37	628	70 41	488
Black beacon #3, pile dolphin		42 37.5	510	70 41.5	16
Small flag pole		42 39	387	70 40.5	28
Flag pole near yellow house		42 38	738	70 41.5	483
Prominent rock ledge	Marked with disc "Mac"	42 38.5	196	70 40.5	534
Bay View Ch. Spire		42 40	420	70 39.5	644

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

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 P. Eymann
Raymond P. Eymann
Chief of Party.

Sheet "B" T 4394

DESCRIPTION	POSITION					METHOD OF DETERMINATION	CHARTS AFFECTED
	Latitude		Longitude		Datum		
	°	'	°	'			
Red chy., Lone house	42	38	1846.8	70	42	89.2	N.A. Triangulation 243
Roofed Platform, Brown Rks. against white sand	42	39	262.8	70	41	855.0	N.A. Triangulation 243
Bay View Lone Church Spire	42	40	420	70	39	1327	N. A. P. Table 243
<i>See also page 2 of this report for more detailed description.</i>							

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, flagstaves and like objects are not sufficiently permanent to chart.

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

TOPOGRAPHIC TITLE SHEET

REG. NO. 4394

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. Eymann, 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:.....