

# 8580

Diag'd. on diag. ch. No. 1202

Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

## DESCRIPTIVE REPORT

Type of Survey ~~Planimetric Air Photographic~~  
(Shoreline)

Field No. \_\_\_\_\_ Office No. **T-8580**

### LOCALITY

State **Maine**

General locality **Frenchman Bay**

Locality **Hog Bay**

1946

CHIEF OF PARTY

**Fred. L. Peacock**

LIBRARY & ARCHIVES

DATE **Mar 24 - 1948**

B-1870-1 (1)++

# 8580

## DATA RECORD

T- 5530

Quadrangle (II):

Project No. (II): CS-272E

Field Office:  
Air Photographic Party No. 2

Chief of Party: Fred. L. Peacock

Compilation Office:  
Baltimore Photogrammetric Office

Chief of Party: Fred. L. Peacock

Instructions dated (II III):

Copy filed in Descriptive

April 1, 1942 (Additional)

~~Report No. T~~ (VI)

July 10, 1943 (Horizontal Control Requirements)

Div. Photogram. Office Files

March 18, April 11, and July 17, 1944 (Supplemental)

August 10, 1944 (Additional) Aug. 26, 1944 (Amendment to Additional Instructions)

Completed survey received in office:

12 June 1946

Reported to Nautical Chart Section:

Reviewed: 1/7/47

Applied to chart No.

Date:

Redrafting Completed: Sept. 1947

Registered: 2 March 1948

Published: *Notation set back, 1 Dec. 1947*  
*Small copy only*

Compilation Scale: 1:10,000

Published Scale: 1:10000

Scale Factor (III): 1.0000

Geographic Datum (III): N.A. 1927

Datum Plane (III):

Reference Station (III): OTTER, 1945

Lat.: 44° 37' 10.723" 331.0m

Long.: 68° 08' 34.997" 771.6m

~~Adjusted~~  
Unadjusted  
FieldState Plane Coordinates (VI): *East Zone*

X =

Y =

Military Grid Zone (VI)

PHOTOGRAPHS (III)

<u>Number</u>	<u>Date</u>	<u>Time</u>	<u>Scale</u>	<u>Stage of Tide</u>
44-C-927 to				
44-C-931 incl.	5-16-44	1230	1:10,000	No Tidal waters
44-C-952 to				
44-C-956 incl.	5-16-44	1230	1:10,000	0.7' above MLW
44-C-1068	5-17-44	1215	1:10,000	0.0' above MLW
44-C-1069	5-17-44	1215	1:10,000	0.0' above MLW
44-C-1204 to				
44-C-1207 incl.	5-26-44	1015	1:10,000	3.4' above MLW
44-C-1667 to				
44-C-1671 incl.	6-4-44	1145	1:10,000	6.1' above MLW

Tide from (III): Predicted Tide Tables, Atlantic Ocean, 1944. Reference Station-Eastport, Maine, with corrections to Sullivan Harbor, Frenchman Bay, Maine  
 Mean Range: 10.5 Spring Range: 12.0

Camera: (Kind or source) U.S. Coast and Geodetic Survey Wide Angle Single Lens Camera. Type "C" - Focal Length 6". All negatives are on file in the Washington Office.

Field Inspection by: Lieutenant Dale E. Sturmer date: Nov. 1944

Field Edit by: \_\_\_\_\_ date: \_\_\_\_\_

Date of Mean High-Water Line Location (III): Same as date of photographs supplemented by the field data obtained during November 1944.

Projection and Grids ruled by (III) S.R. date: 3-21-45

" " " checked by: S.R. date: 3-21-45

Control plotted by: H.R. Rudolph date: 4-3-45

Control checked by: A.L. Goncharaky date: 4-3-45

Radial Plot by: W.E. Schmidt & H.R. Rudolph date: April 1945  
 H.R. Rudolph & J.W. Vonasek March 1946

Detailed by: J.W. Vonasek date: 3-18-46 to 5-8-46

Reviewed in compilation office by: R. Glaser date: 5-23-46 to 5-27-46

Elevations on ~~Field Edit Sheet~~ <sup>Manuscript</sup> checked by: *H.W. Vonasek* date: 1/7/47

STATISTICS (III)

Land Area (Sq. Statute Miles): 3

Shoreline (More than 200 meters to opposite shore):  $7\frac{1}{2}$

Shoreline (Less than 200 meters to opposite shore):  $1\frac{1}{2}$   
(Measured along approximate centerline only)

Number of Recoverable Topographic Stations established: 8  
(Two of these are Photo(Topographic) Stations, one is a Theodolite Station  
and 5 are Bench Marks)

Number of Temporary Hydrographic Stations located by radial  
plot: 31

Leveling (to control contours) - miles:

Roman numerals indicate whether the item is to be entered  
by, (II) Field Party, (III) Compilation Party, or, (VI) the  
Washington Office.

When entering names of personnel on this record give the  
surname and initials (not initials only).

Remarks:

FIELD REPORT  
SURVEY No. T-8580

COAST OF MAINE  
FRENCHMAN BAY  
HOG BAY  
Project No. CS-272-E

1. DESCRIPTION OF THE AREA:

According to the Instructions dated August 10, 1944, the Survey for Map Manuscript, Survey No. T-8580, is a shoreline survey and covers an area on the northeastern end of Taunton Bay and the whole of Hog Bay.

Immediately adjacent to the Mean High Water Line the terrain is, in general, rocky. The foreshore area is commonly ledge rock, frequently boulder strewn, except on the northeastern shore and most easterly part of Hog Bay where there is partially overflowed marsh land. Large mud and soft sand areas extend out to the main channels.

The interior is hilly and mostly tree covered, with the elevation rising from sea level to a maximum of 1069 feet. One large interior pond, Donnell Pond (Martin Ridge Cove), lies in the eastern part of this survey and a smaller one, Georges Pond, lies in the northwestern part. There are a few cleared and cultivated areas, most of which are along the more important roads.

2. COMPLETENESS OF FIELD INSPECTION:

The identification of the horizontal control, Mean High Water Line, and offshore features are complete except for the Mean Low Water Line, offlying shoal and sunken reef areas not accurately discernible on the photographs. The charting data for these features will become available during the next hydrographic survey.

3. INTERPRETATION OF THE PHOTOGRAPHS:

Sufficient notes have been made on the field photographs to enable the Compilation Office to augment the field interpretation by analogy where necessary.

4. HORIZONTAL CONTROL:

Two existing Horizontal (Control) Stations were recovered in good condition and identified as positive. Four Stations were not recovered. Two new triangulation stations and one new theodolite station have been established within the area of this survey.

Form No. 524, Description of Recoverable Topographic Station, has been submitted for the new Theodolite Station.

Form No. 525, Description of Triangulation Station, has been submitted for each of the newly established Triangulation Stations.

Form No. 526, Recovery Note, has been submitted for each of the previously existing control stations recovered or searched for within the area of the Survey.

5. VERTICAL CONTROL:

Five bench marks were recovered and identified on the field inspection photographs.

Form No. 685, Report on Condition of Bench Mark, has been submitted for each of the five bench marks. *Also fm 524*

BM	A-93	1992
	B-93	"
	C-93	"
	C2	1930
	Y7	1927

6. DRAINAGE:

Drainage was identified on the field photographs.

7. MEAN HIGH WATER LINE:

All of the Mean High Water Line was inspected from a dinghy kept close to the shore or by traversing on foot. Alongshore rocks and offshore rocks, above the plane of Mean High Water revealed by photography have been identified on the field photographs with the elevation above the plane of Mean High Water noted.

8. MEAN LOW WATER LINE:

The Mean Low Water Line was not delineated.

9. WHARVES AND SHORELINE STRUCTURES:

One abandoned dock (cribbing) was identified on the field photographs. There are no other shoreline structures.

10. DETAILS OFFSHORE FROM THE MEAN HIGH WATER LINE:

Details offshore from the Mean High Water Line include several rocks that bare at Mean High Water, rocks awash, isolated boulders, rock ledge areas, mud areas, soft sand areas and reef areas. The character of the foreshore area has been indicated on the field photographs. The extent to which several prominent rocks bare at Mean High Water has been noted on the photographs.

11. LANDMARKS AND AIDS TO NAVIGATION:

There are no previously charted aids to navigation which fall within the limits of the Survey.

12. HYDROGRAPHIC CONTROL:

1 Theodolite Station *I V A N. 1944*  
7 Recoverable Photo (Topographic) Stations, five of which  
are also Bench Marks. *(see paragraph 5)*  
31 Temporary Photo (Topographic) Stations  
Descriptions of these Stations have been furnished.

14. ROAD CLASSIFICATION:

In accordance with the Army War College Circular, dated January 12, 1942, "Classification of Roads".

18. GEOGRAPHIC NAMES: *214*

No investigation.

COMPILATION REPORT  
MAP MANUSCRIPT, SURVEY No. T-8580

COAST OF MAINE  
FRENCHMAN BAY  
HOG BAY  
Project No. CS-272-E

26. CONTROL:

The horizontal control in the area of the Map Manuscript for Survey No. T-8580 consists of sixteen stations. They are as follows:

9 Within the detail limits

<u>Name of Station</u>	<u>Type of Station</u>
**CLARKE, 1879	Triangulation
**DYER, 1879	Triangulation
FRANKLIN SPIRE, 1879	Triangulation
*IVAN, 1944	Topographic(Theodolite)
**PEAK, 1879	Triangulation
**ROAD, 1879	Triangulation
*SCHOODIC MOUNTAIN FIRE TOWER, 1934, r. 1945	Triangulation
*OTTER, 1945	Triangulation
*ALDER, 1945	Triangulation

4 Outside the detail limits

**GORDON, 1879	Triangulation
**QUARRY, 1879	Triangulation
COL, 1944	Traverse
*WEST FRANKLIN METHODIST CHURCH SPIRE, 1944	New Topographic (Theodolite)

\* Station identified by a substitute point. The positions of these substitute points have been shown on the Map Manuscript with very small black acid ink circles accompanied by the note "Sub. Sta."

\*\* Not used

Seven of the horizontal control stations were used to control the radial plot.



27. RADIAL PLOT:

The radial plot for the area of the survey is part of a combined plot made with celluloid templates. Satisfactory results were obtained. See Radial Plot Report For Surveys Nos. T-8573 to T-8590, inclusive, T-8594 and T-8595, submitted June 5, 1945.

During the 1945 Field Inspection season, several new Theodolite Stations were established in the area of Project CS-272-E. Two of these new Triangulation Stations namely "ALDER, 1945" and "OTTER, 1945" fall within the area of Survey No. T-8580. In addition, Triangulation Station "SCHOODIC MOUNTAIN FIRE TOWER, 1934" was recovered and identified. Two other new Theodolite Stations "CLUB, 1945" and "PART, 1945" and a previously established Triangulation Station "TUNK, 1859" (recovered in 1945) fall just outside the limits of Survey No. T-8580. All of these stations were plotted on the Map Manuscript for Survey No. T-8580. A new radial plot for the area of Survey Nos. T-8579 and T-8580 was then run using slotted steel templates. All of the new stations were "held to" in this radial plot.

After a few minor adjustments in the positions of some of the photograph centers and pass points on the western side of Survey No. T-8580, it was found that Theodolite Stations "WEST FRANKLIN METHODIST CHURCH SPIRE, 1944" and "IVAN, 1944" and Traverse Station "COL, 1944" could be held to either tangent or better. (See Radial Plot Report of June 5, 1945).

28. DETAILING:

The horizontal (control) stations, horizontal pass points and field data available for the compilation of this survey were adequate, except that no field data were available for delineating the approximate Mean Low Water Line.

The photographic coverage in a small area west of Franklin and also southwest of Hog Bay was inadequate due to insufficient side overlap, resulting in a number of the detail points being determined by the intersection of only two radials some of which were very slim angle intersections.

Only the area in the vicinity of the shoreline was delineated.

Several rocks awash have been delineated on the western shore of Hog Bay and in a reef area in Taunton Bay for which no field data were given.

30. MEAN HIGH WATER LINE:

The Mean High Water Line bordering along firm ground has been delineated in accordance with the field data and is shown with a continuous heavy-weight black acid ink line. The outer limits of marsh areas at the eastern end of Hog Bay have been shown with a continuous light-weight black acid ink line.

31. MEAN LOW WATER LINE:

No Mean Low Water Line was identified by the Field Inspection Party.

31-A. FORESHORE AREAS:

The foreshore areas shown consist of rock ledge, boulders, detached rocks, marsh and soft sand, all of which have been delineated in accordance with the field data and after careful interpretation of the photographs by the Compilation Office.

31-B. SHOAL LINES:

The approximate position of the outer limits of a shoal area was delineated in accordance with the Compilation Office interpretation of the photographs and is for the advance information of the Hydrographic Parties only. Shown with a long dashed black acid ink line, accompanied by the note "Shoal".

31-C. REEF LINES:

The approximate outline of reef areas was delineated in accordance with the Compilation Office interpretation of the photographs and is for the advance information of the Hydrographic Parties only. Shown with a short dashed black acid ink line, accompanied by the note "Reef".

31-D. MUD LINES:

The approximate outline of mud areas was delineated in accordance with the Compilation Office interpretation of the photographs and is for the advance information of the Hydrographic Parties only, Shown with a dotted black acid ink line, accompanied by the note "Approximate Mud Line".

32. DETAILS OFFSHORE FROM THE MEAN HIGH WATER LINE:

The offshore details include rock ledge, boulders, rocks, shoals, sunken reefs, soft sand and mud areas, which have been shown in accordance with the field data, accompanied by descriptive notes.

33. WHARVES AND SHORELINE STRUCTURES:

One abandoned dock has been delineated in accordance with the field data and accompanied by a descriptive note.

35. HYDROGRAPHIC CONTROL:

7 Recoverable Photo (Topographic) Stations, five of which are also Bench Marks.

1 Theodolite Station

31 Temporary Photo (Topographic) Stations

A list of their descriptions is attached to this report.

Form No. 524 has been submitted for each of the seven Recoverable Photo (Topographic) Stations and the Theodolite Station.

37. BRIDGES:

One small bridge has been shown at the eastern end of Hog Bay.

38. GEOGRAPHIC NAMES:

Taken from Nautical Chart No. 1202 and the United States Geological Survey, Maine, Tunk Lake Quadrangle Map.

A list of Geographic Names is attached to this report.

39. JUNCTIONS:

The junction with Map Manuscript, Survey No. T-8579 to the west has been made and is in agreement.

The junctions with Survey No. T-8578 to the southwest, Survey No. T-8581 to the south, Survey No. 8590 to the southeast and Survey No. T-8591 to the east are in undetailed interior areas.

There is no contemporary survey to the north of this survey.

40. POSITION ACCURACY OF IMPORTANT PLANIMETRIC DETAILS:

Believed to be within 0.5 mm.

41. RECOMMENDATIONS FOR FUTURE SURVEYS:

Map Manuscript, Survey No. T-8580, is complete with respect to all known details necessary for charting, except the charted features not definitely revealed by photography which should be investigated during the next Hydrographic Survey. These features have been noted in "Notes to Hydrographic Parties" attached to this report, and indicated on a section of Nautical Chart No. 1202, attached to this report.

44. COMPARISON WITH EXISTING TOPOGRAPHIC QUADRANGLES:

United States Geological Survey, Tunk Lake, Maine, Quadrangle, 15' series, scale 1:62,500, edition of 1932, reprinted in 1939.

Details common to the Map Manuscript and to the quadrangle are, in general, in good agreement.

Major differences in shoreline as delineated on the Map Manuscript:

The shoreline along the northeastern part of Hog Bay.

The marsh area on the northeast shore of Hog Bay is not as wide on the quadrangle except at the northern limits, where the quadrangle shows the inshore limits of swamp farther inland. There are two small islets on the quadrangle that apparently are included in the marsh area on the Map Manuscript.

The fringe of marsh area along Card Mill Stream from East Franklin westward to Hog Bay is not shown on the quadrangle.

The marsh area on the southeastern shore of Hog Bay is not shown on the quadrangle.

Minor differences in land features are mentioned in the accompanying "Notes for Reviewer" and offshore features for which data were lacking, have been mentioned in the "Notes to the Hydrographic Party", attached to this Descriptive Report.

45. COMPARISON WITH NAUTICAL CHARTS:

Chart No. 1202, scale 1:80,000, published at Washington, D. C., May 1932, corrected to May 25, 1946. (Common area)

In general, planimetry in common to the chart and to the Map Manuscript is in good agreement.

45. COMPARISON WITH NAUTICAL CHARTS: (Continued)


Major differences as delineated on the Map Manuscript:

A great deal of ledge and several boulders and rocks have been shown that do not appear on the chart.

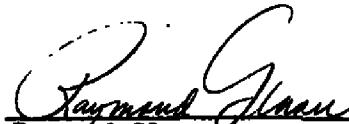
A large extent of marsh and ponds on the northeast shore of Hog Bay does not appear on the chart.

Minor differences in land features are mentioned in the accompanying "Notes for Reviewer" and offshore features for which data were lacking have been mentioned in the "Notes to the Hydrographic Party", attached to this Descriptive Report.


Respectfully Submitted:  
June 3, 1946

  
Joseph W. Vonasek  
Photogrammetric Engineer


Map Manuscript and Descriptive  
Report Reviewed by:

  
Raymond Glaser  
Engineering Draftsman

Compilation of Map Manuscript  
Supervised by:

  
Harry R. Rudolph  
Photogrammetric Engineer

Approved and Forwarded:  
June 12, 1946

  
Fred. L. Peacock  
Commander, C & G Survey  
Officer-in-Charge  
Baltimore Photogrammetric Office

Division of Photogrammetry  
Review Report of  
Shoreline Survey Manuscript T-8580

Paragraph numbers in this review report refer to numbers in the descriptive report.

26. CONTROL

At the time of review the pricking card for triangulation station Schoodic Mountain Fire Tower 1934, r 1945 could not be found and this station could not be checked with respect to identification and plotting of the substitute station.

28. DETAILING

The manuscript was complete and adequate as received from the photogrammetric office, and no significant changes were necessary during review.

43. COMPARISON WITH PREVIOUS TOPOGRAPHIC SURVEYS

T-1492	1/10000	1880
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One major discrepancy was noted along the northeast shore of Hog Bay and in one small area on the south side of Hog Bay. The older survey does not show a marsh area, and the mean high water line is shown farther inland, with grass and water fringing it. Survey T-8580 shows the mean high water line as delineated by the field inspector, who added the following note by way of explanation: "Shoreline inked as it appears to navigator. M.H.W. actually floods back into the marsh."

*T 8580 shows the line of vegetation visible of mean high water line*

This survey supersedes survey T-1492 in all common detail.

44. COMPARISON WITH EXISTING QUADRANGLES

U.S.G.S.	TUNK LAKE	15'	1/62500	ed 1932, rep. 1939
U.S.E.	" "	"	"	ed 1942

Discrepancies between T-8580 and the U.S.G.S. quadrangle are adequately covered under "Notes for Reviewer". All discrepancies were verified and no additional discrepancies were found.

Comparison with the U.S.E. quadrangle revealed no additional differences

45. COMPARISON WITH NAUTICAL CHARTS

1202	1/80000	May 1932, corr to May 1946
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Comparison of T-8580 with the nautical chart is adequately covered under "Notes for Reviewer."

This manuscript has not been applied to the chart as of the date of this review.

Reviewed by

Under the direction of

H.M. Thune *per LTS*  
7 Jan. 1947

S. T. Griffith  
Chief, Review Section B

APPROVED BY:

B.J. Jones 3/45  
Technical Assistant to the  
Chief, Div. of Photogrammetry

[Signature]  
Chief, Nautical Charts Branch  
Div. of Charts

K.T. Adams  
Chief, Div. of Photogrammetry

C.K. Green  
Chief, Div. of Coastal Surveys

GEOGRAPHIC NAMES

(Undisputed)

Taken from Nautical Chart No. 1202 and the United States Geological Survey, Maine, Tunk Lake Quadrangle.

- Franklin
- East Franklin
- Hog Bay
- Taunton Bay
- Card Mill Stream
- • State No. 182
- • - - - 200

Names preceded by • are  
approved. L. Hock  
9/17/47

GEOGRAPHIC NAMES



1944  
 IDENTIFICATION REPORT  
 HORIZONTAL CONTROL  
 MAP MANUSCRIPT, SURVEY No. T-8580  
 Project No. CS-272-E

<u>Station</u>	<u>U.S.G.S. Quadrangle</u>	<u>Recovery Date</u>	<u>Pricking Data</u>
**CLARKE, 1879	Maine, Tunk Lake	Not found	
**DYER, 1879	Maine, Tunk Lake	Not found	
FRANKLIN SPIRE, 1879	Maine, Tunk Lake	9-13-44	Positive
*IVAN, 1944	Maine, Tunk Lake	New 10-4-44	Positive
**PEAK, 1879	Maine, Tunk Lake	Not found	
**ROAD, 1879	Maine, Tunk Lake	Not found	
*SCHOODIC MT. FIRE TOWER, 1934, r 1945	Maine, Tunk Lake	7-9-45	Sub Sta Positive
*OTTER, 1945	Maine, Tunk Lake	New 7-4-45	Sub Sta Positive
*ALDER, 1945	Maine, Tunk Lake	New 7-31-45	Sub Sta Positive

\* Station is identified by a substitute point. The positions of these substitute points have been shown on the Map Manuscript with very small black acid ink circles accompanied by "Sub. Sta.".

\*\* Not used to control the radial plot.

NOTES  
FOR  
REVIEWER

COAST OF MAINE

MAP MANUSCRIPT, SURVEY NO. T-8580  
PROJECT NO. CS-272-E

All details have been shown with the usual symbols.

The small blue ink circles are the positions of well defined detail points determined photogrammetrically and are considered very strong. The small green ink circles are the positions of well defined detail points determined by only two wide angle radials or by three or more very slim angle radials and are considered weak.

The 2½ millimeter black acid ink circles are the positions of Theodolite Stations, Recoverable Photo (Topographic) Stations, and of Temporary Photo (Topographic) Stations. Such circles accompanied by a name and date (1944) are the positions of Recoverable Photo (Topographic) Stations and Theodolite Stations. All other such circles are the positions of the Temporary Photo (Topographic) Stations.

The very small black acid ink circles accompanied by the note "Sub.Sta." are the positions of Substitute Stations.

The photographs contain no appreciable tilt or differential distortion.

The scales of the photographs and the Map Manuscript are in good agreement.

The approximate outer limits of a shoal area have been delineated according to office interpretation of the photographs and are shown with a long dashed black acid ink line accompanied by the note "Shoal".

The approximate limits of reef areas have been delineated according to office interpretation of the photographs and are shown with a short dashed black acid ink line accompanied by the note "Reef".

The following discrepancies between the Map Manuscript and the United States Geological Survey, Tunk Lake, Maine, Quadrangle were found:

Shown on the Map Manuscript but not on  
the Quadrangle

The fringe of marsh area along the most easterly part of Hog Bay.  
The marsh area on the southeastern shore of Hog Bay.  
A number of bare rocks, boulders and a great deal of rock ledge  
along the shoreline of the entire survey.

Abandoned Dock on the eastern shore of Taunton Bay  
Several buildings  
Several Class 4 roads  
Several gravel pits  
A wreck in the eastern part of Hog Bay

Shown on the Quadrangle but not on the Map Manuscript

A swamp area on the northeastern shore of Hog Bay  
A class 4 road southeast of Taunton Bay

Shown on the Map Manuscript in disagreement with the  
Quadrangle

The shoreline bordering along the outer limits of marsh on the northeastern side of Hog Bay has moved out into Hog Bay. The marsh area along this portion of Hog Bay is much larger except at the northwestern end of the marsh area where the marsh as it appears on the Quadrangle extends much farther north than it is shown on the Map Manuscript. This same marsh area appears on the Quadrangle as two marsh area separated by firm ground. Two small islets appearing on the Quadrangle are also included in the large marsh area shown on the Map Manuscript.

A class 4 road shown on the Map Manuscript is much shorter than it appears on the Quadrangle.

The following discrepancies between the Map Manuscript and Nautical Chart 1202 were found:

Shown on the Map Manuscript but not charted

Several bare rocks and boulders  
More rock ledge along the shoreline of the entire area.  
Marsh areas along the northeastern and southeastern shores of Hog Bay and along both shores of Card Mill Stream from Hog Bay eastward to East Franklin.  
Several rocks awash in Taunton Bay and Hog Bay.  
All buildings  
Several Class 4 roads.  
A wreck in the eastern part of Hog Bay at mouth of Card Mill Stream  
Several gravel pits  
Two quarries  
Several intermittent streams

Charted but not shown on the Map Manuscript

Accum across Card Mill Stream at East Franklin.

Shown on the Map Manuscript in disagreement with the  
charted features.

A charted rock awash in Taunton Bay is shown on the Map Manuscript as a rock ledge area with several bare rocks and several rocks awash.

Two charted rocks awash just offshore from a point of land on the northeastern shore of Taunton Bay are shown as rock ledge and one rock awash.

A charted ledge area in the southern part of Taunton Bay is shown on the Map Manuscript as 4 rocks awash on a ledge area.

A charted bare rock southeast of an island between Taunton and Hog Bays is shown on the Map Manuscript as a reef area.

Respectfully submitted:  
June 3, 1946

*Joseph W. Vonasek*  
Joseph W. Vonasek  
Photogrammetric Engineer

Approved and Forwarded:  
June 12, 1946

*Fred. L. Peacock*  
Fred. L. Peacock  
Chief of Party, C & G Survey  
Officer in Charge  
Baltimore Photogrammetric Office



COAST OF MAINE

PROJECT NO. CS 272-E

DESCRIPTIONS OF THE TOPOGRAPHIC (THEODOLITE) STATIONS  
RECOVERABLE PHOTO (TOPOGRAPHIC) STATIONS AND TEMPORARY  
PHOTO (TOPOGRAPHIC) STATIONS FOR THE AREA OF MAP  
MANUSCRIPT SURVEY No. T-8580

NUMBER OF TOPOGRAPHIC (THEODOLITE) STATIONS.....1  
NUMBER OF RECOVERABLE PHOTO (TOPOGRAPHIC) STATIONS.... 7  
NUMBER OF TEMPORARY PHOTO (TOPOGRAPHIC) STATIONS.....31  
TOTAL NUMBER OF STATIONS.....39

LISTED BY: Joseph W. Vonasek  
Joseph W. Vonasek  
Photogrammetric Engineer

CHECKED BY: Raymond Glaser  
Raymond Glaser  
Engineering Draftsman

- 1908 $\frac{1}{2}$  Boulder, 1 foot above MHW
- 1909 . Small evergreen
- 1910 . Northeast corner of wood dock
- 1910 $\frac{1}{2}$  . White Boulder on grassy point about 1 foot above ground level
- 1911 . Evergreen
- 1911 $\frac{1}{2}$  . Large boulder 6 feet above MHW
- 1912 . Evergreen
- 1912 $\frac{1}{2}$  . Large boulder, 2 feet above MHW
- 1913 . Evergreen
- 1914 . South Evergreen in line of evergreens
- 1915 . South Gable of red house
- 1916 . Church Spire
- 1917 . Evergreen
- 1918 . Evergreen
- 1919 . Evergreen
- 1919 $\frac{1}{2}$  . Boulder, 1 foot above M H W (Northeasterly of three)
- 2547 . 40 foot evergreen
- 2548 . 20 foot evergreen
- 2549 . Large (10 foot by 10 foot) granite boulder
- 2550 . 30 foot evergreen, southerly of two
- 2551 . White top boulder at M H W L
- 2552 . 10 foot easterly evergreen in group
- 2553 . Easterly of two evergreens
- 2554 . 30 foot westerly of two evergreens
- 2556 "CHURCH SPIRE, EAST FRANKLIN, 1944" Station is the Church Spire of East Franklin Baptist Church. Located in East Franklin on west side of main road, approximately 280 meters south of 43 foot concrete highway bridge, approximately 45 meters north of road junction main road with class 4 road leading west. Recoverable photo (Topographic) Station.

- 2589 . 3 foot boulder
- 2590 . Center of top of large white boulder, 8 ft. x 6 ft. at M H W L -  
8 meters NNE of centerline of small highway bridge.
- 2591 . Center of white granite boulder, 6 ft. x 4 ft., easterly of large  
boulder in locality, at M H W L
- 2592 . 30 foot evergreen
- 2593 . 40 foot evergreen
- 2594 . 50 foot evergreen
- 2595 . 10 foot evergreen
- 2596 . "WHITE BRICK CHIMNEY, 1944" Station is a white brick chimney on  
2 story white asbestos shingled house with black asphalt shingled  
roof. House is located on a point of land which extends SW of town  
of Franklin into Taunton Bay. Approximately 1000 meters south of  
Maine State Highway #182. Recoverable Photo (Topographic) Station.
- "IVAN, 1944" Station is located about 1 mile east of the settlement  
of Franklin, 7 meters north of the centerline of State route #182 on  
the western edge of the lot around the white house of Lloyd Fernald,  
where there is a large group of deciduous trees, on top of a large  
flat boulder which is the most southerly of a large group in the  
immediate vicinity. Standard disc stamped "IVAN, 1944".  
Topographic (Theodolite) Station.



✓ "BM Y7 1927" The station is at Franklin, Hancock County, 170' east of the east end of the Maine Central Railroad Station, 76.7 feet northwest of the crossing of State Highway #182, and 40.3 feet north of the north rail. A standard disk, stamped "Y7 1927" and set in the top of a concrete post. Elevation 21.880 meters or 71.785 feet. Note: In May 1930, the U. S. Geological Survey reported that this bench mark was at an elevation of 71.889 feet. This change was probably due to frost action. Recoverable Photo (Topographic) Station.

✓ "BM C2 1930 USGS" The station is located S of the point of land between Taunton Bay and Hog Bay in a small clearing and is approximately 25 meters S of centerline of class 4 road leading W from East Franklin; about 2 miles W of main road intersection in East Franklin and approximately 60 meters SE of intersection of 2 class 4 roads, the N-S road leading north to an abandoned quarry. Elevation 35.8500 meters or 117.93 feet above Mean Sea Level. Recoverable Photo (Topographic) Station.

✓ "BM A93 1942" The station is located approximately 0.6 mile NW of East Franklin about 25 meters SW of centerline of the main road leading from Franklin to East Franklin and approximately 50 meters W of intersection of this road with a class 4 road leading W to a sawmill. Elevation 40.3571 meters or 132.75 feet above Mean Sea Level. Recoverable Photo (Topographic) Station.

✓ "BM B93 1942" The station is located at edge of woods approximately 5 meters north of the centerline of the class 4 road leading west from East Franklin; approximately 60 meters west of the junction of this road with main north-south road through East Franklin. Elevation 15.714 meters or 51.657 feet above Mean Sea Level. Recoverable Photo (Topographic) Station.

✓ "BM C93 1942" The station is located in a large clearing near the southeast shore of Hog Bay approximately 17 meters SW of centerline of class 4 road, and approximately one mile W of main road intersection at East Franklin. Elevation 3.8794 meters or 12.761 feet above Mean Sea Level. Recoverable Photo (Topographic) Station.

NOTES  
FOR  
HYDROGRAPHIC PARTIES

COAST OF MAINE  
MAP MANUSCRIPT, SURVEY NO. T-8580  
PROJECT No. CS-272

The  $2\frac{1}{2}$  millimeter black acid ink circles are the positions of the selected Recoverable Photo (Topographic) Stations, Temporary Photo (Topographic) Stations, and Theodolite Stations. Such circles accompanied by a name and date (1944) are the positions of the Recoverable Photo (Topographic) Stations and Theodolite Stations. All other such circles accompanied by a number only are the positions of the Temporary Photo (Topographic) Stations. Two copies of the descriptive list of all of the Photo (Topographic) Stations and the Theodolite Stations have been furnished for your use.

The very small black acid ink circles, accompanied by the note "Sub. Sta." are the positions of the substitute stations. Brief descriptions of the substitute stations may be found on the pricking cards, Form No. M-982-1 submitted to the Washington Office.

The dotted black acid ink line is the approximate position of the mud line.

The outline of shoal and reef areas shown are approximate and are for your advance information only. They are shown by long dashed and short dashed lines respectively, accompanied by the note "Shoal" or "Reef".

The following charted feature was not definitely revealed by photography and should be investigated during the next hydrographic survey:

A dam across Card Mill Stream just east of the highway at East Franklin.

Note: For location, see section of Chart No. 1202 attached to this report. This feature has been indicated on the section of the chart by a red ink line around the area in which it falls.

The following charted features are in disagreement with the Map Manuscript as delineated in accordance with the field data and should also be investigated:

The position of the shoreline along the northeastern part of Hog Bay.

A charted rock awash in Taunton Bay is shown as several bare rocks and rocks awash in a rock ledge area.

Two charted rocks awash just offshore from a point of land on the northeastern shore of Taunton Bay are shown as one rock awash in a rock ledge area.

A charted rock ledge area in the southern part of Taunton Bay is shown as 4 rocks awash on a rock ledge area.

A charted bare rock southeast of an island between Taunton and Hog Bays is shown as a reef area.

Note: For location, see section of Chart No. 1202 attached to this report. These features have been indicated on the section of the chart by a green ink line around the area in which they fall.

The following uncharted features which are shown on the Map Manuscript should also be investigated:

Several bare rocks and boulders scattered over the entire survey.

Rock ledge along the shoreline of the entire survey.

Marsh areas along the northeastern part of Hog Bay and along Card Mill Stream from Hog Bay eastward to East Franklin.

Several rocks awash in Taunton Bay and Hog Bay.

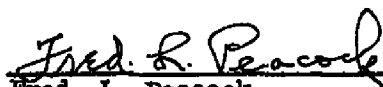
A wreck in the eastern part of Hog Bay at mouth of Card Mill Stream.

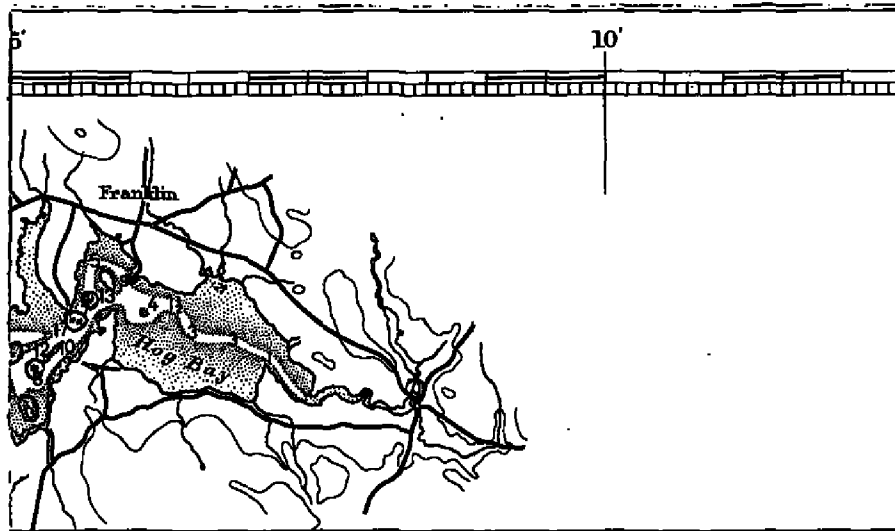
The Mean Low Water Line has not been shown but should also be investigated.

Respectfully submitted,  
June 3, 1946

  
Joseph W. Vonasek  
Photogrammetric Engineer

Approved and Forwarded:  
June 12, 1946

  
Fred. L. Peacock  
Chief of Party, C. & G. Survey  
Officer-in-Charge  
Baltimore Photogrammetric Office



SECTION OF CHART NO. 1202

SCALE 1:80,000

PUBLISHED AT WASHINGTON, D.C., MAY 1932

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