

5986

Diag'd. on Diag. Ch. No. 1204-2

Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey Planimetric Air Photographic
(Shoreline)

Field No. CS-272-B Office No. T-5986

LOCALITY

State Maine

General locality Coast of Maine-Sheepscot River

Locality North Edgcomb and Vicinity

1943

CHIEF OF PARTY

F.L. Peacock

LIBRARY & ARCHIVES

DATE

April 5-1949

B-1870-1 (1)

5986

DATA RECORD

T-5986 *Shoreline*

Quadrangle (II):
Boothbay, Maine, U. S. G. S.

Project No. (II):
CS 272-B

Field Office:
U. S. C & G S. Bath, Maine

Chief of Party:
Henry O. Fortin

Compilation Office:
Air Photographic Party No. 2
Baltimore, Maryland

Chief of Party:
Fred. L. Peacock

Instructions dated (II III):
January 12, April 1, 1942.

Copy filed in ~~Descriptive~~
Report No. T- (VI)

*Div. of Photogrammetry
Office Files*

Completed survey received in office: *14 May, 1945*

Reported to Nautical Chart Section:

Reviewed: *16 Jan. 1946* Applied to chart No. *314* Date: *9-9-46*

Redrafting Completed: *2 Apr. 1947*

Registered: *April 1949*
~~16 July 1948~~ Published: *12 May, 1947 (10016 copy)*

Compilation Scale: 1: 9,670

Published Scale: *1:10,000*

Scale Factor (III): 1.03413

Geographic Datum (III): N.A. 1927 Datum Plane (III): Mean ~~Sea~~ ^{H. W.} Level

Reference Station (III): Cushman, 1857, 1934, r 1942

Lat.: 43° 58' 43.35" ^{.351"} 1338.8 ^{.0} m Long.: 69° 40' 46.41" ^{.431"} 1034.6 ^{.9} m ~~Adjusted~~
~~Unadjusted~~
~~(Field)~~
3/5/47 sm

State Plane Coordinates (VI): *Maine (West Zone)*

X = ~~628,222.99~~

Y = ~~417,852.33~~

Military Grid Zone (VI)

PHOTOGRAPHS (III)

Number	Date	Time	Scale	Stage of Tide
6820	10-17-41	1:27 P.M.	1:10,000	0.45 above M.L.W.
6821	10-17-41	1:28 P.M.	1:10,000	0.45 above M.L.W.
6822	10-17-41	1:29 P.M.	1:10,000	0.45 above M.L.W.
6823	10-17-41	1:30 P.M.	1:10,000	0.45 above M.L.W.
6826	10-17-41	1:35 P.M.	1:10,000	0.35 above M.L.W.
6827	10-17-41	1:36 P.M.	1:10,000	0.35 above M.L.W.
6828	10-17-41	1:37 P.M.	1:10,000	0.35 above M.L.W.
7016 & 7017	10-20-41	9:04 A.M.	1:10,000	9.85 above M.L.W.
7018 & 7019	10-20-41	9:05 A.M.	1:10,000	9.85 above M.L.W.
7026	10-20-41	9:15 A.M.	1:10,000	10.3 above M.L.W.
7027 & 7028	10-20-41	9:16 A.M.	1:10,000	10.3 above M.L.W.

Tide from (III): Portland, Maine, with time correction to Wiscasset,
Sheepscot River, Maine
Mean Range: 9.4 ft. Spring Range: 10.7 ft.

Camera: (Kind or source) U. S. Coast and Geodetic Survey nine lens camera
(focal length 8 $\frac{1}{4}$ ") all negatives are on file in Washington Office.

Field Inspection by: Lieut. Henry O. Fortin date: Fall, 1942

Field Edit by: None date: May 1943

Date of Mean High-Water Line Location (III):
October 17 & 20, 1941

Projection and Grids ruled by (III) W.D.H. Wash.Off. date: Feb. 11, 1943

" " " checked by: John C. O'Neill, Wash. Off. date: Feb. 13, 1943

Control plotted by: James E. Sunderland date: Feb. 17, 1943

Control checked by: W. E. Schmidt date: Feb. 17, 1943

Radial Plot by: W. E. Schmidt date: Feb. 1943

Detailed by: Harry R. Rudolph (Shoreline, rough draft) date: 3-12-43 to 4-30-43

Reviewed in compilation office by: Carl Supp shoreline date: 5-11-43

Elevations on Field Edit Sheet
checked by: None date:

STATISTICS (III)

Land Area (Sq. Statute Miles):

Shoreline (More than 200 meters to opposite shore): 28 statute miles

Shoreline (Less than 200 meters to opposite shore): 10 statute miles
(Scaled along center line)

Number of Recoverable Topographic Stations established: 12

Number of Temporary Hydrographic Stations located by radial
plot: 147

Leveling (to control contours) - miles: none

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:

26 CONTROL:

The control plotted and the control transferred from adjoining map drawings consist of eleven (11) U. S. Coast and Geodetic Survey triangulation stations, and twenty-five (25) U. S. Geological Survey Primary Traverse stations. They have been shown with the usual triangulation symbols.

The following control stations are within the detail limits of this map drawing:

Two (2) U. S. Coast and Geodetic Survey Triangulation Stations

- ✓ North Edgecombe, White Spire, 1934, r 1942 ✓
- ✓ Cushman, 1857, 1934, r 1942 ✓

Ten (10) U. S. Geological Survey Primary Traverse Stations

- PTS. ** 2142+, 1940, r 1942 ✓
- " ** 2144+, 1940, r 1942 ✓
- " ** 2165, 1940, r 1942 ✓
- " ** 2172A, 1940, r 1942 ✓
- " ** 2181, 1940, r 1942 ✓
- " ** 2184, 1940, r 1942 ✓
- " ** 2189, 1940, r 1942 ✓
- " ** 2199A, 1940, r 1942 ✓
- " ** 2207, 1940, r 1942 ✓
- " ** 2209, 1940, r 1942 ✓

*Interior area.
Not delineated.*

The following list of control stations fall just outside the detail limits of this map drawing:

Nine (9) U. S. Coast & Geodetic Survey Triangulation Stations

- ** Neguasset, 1855, r 1934, r 1942
- * Wiscasset Powder Magazine, 1813, 1934, r 1942
- * Wiscasset, 1934, r 1942
- * Wiscasset, White Spire, (cong) 1934, r 1942
- * Wiscasset, Brown Spire, 1857, 1934, r 1942
- * Cochran, 1934, r 1942
- * Haggett 1, 1855, 1857, r 1934, r 1942
- * Haggett 2, 1857, r 1942
- * Edgecombe, 1855, r 1933, 1934, r 1942

Fifteen (15) U. S. Geological Survey Primary Traverse Stations

- * 2127, 1940, r 1942
- * 2128+, 1940, r 1942
- * 2133+, 1940, r 1942
- * 2136+, 1940, r 1942
- * 2138+, 1940, r 1942
- * 2140A, 1940, r 1942
- * 2141+, 1940, r 1942

26 CONTROL: (cont.)

- * 2144⁺, 1940, r 1942
- * 2154, 1940, r 1942
- * 2160, 1940, r 1942
- * 2163⁺, 1940, r 1942
- * 2217, 1940, r 1942
- * 2224⁺, 1941, r 1942
- * 2233, 1941, r 1942
- * 2236A, 1941, r 1942

* Stations have been transferred from adjoining map drawings and have been indicated with red acid ink triangles.

** Stations have been plotted and have been indicated with black acid ink triangles.

27 RADIAL PLOT:

A complete combined report covering the radial plot of the area represented on map drawings numbers T-5985 to T-5994, inclusive, is submitted herein as an appendix to this report.

28 DETAILING:

The shoreline and immediate adjacent culture has been detailed on this map drawing in accordance with the Director's letters dated January 12, 1942 and April 1, 1942, pertaining to this Project CS 272-B. *Filed in Div. of Photogrammetry - Office Files*

All detail on this map drawing has been shown by the standard symbols recommended by the Washington Office and notes fully describing any deviation therefrom appear on the overlay sheet in order that the planimetry may be clearly interpreted by those concerned. In some areas, considerable difficulty was encountered in establishing the positions of tertiary points, due to deep shadows, relief displacement, and dense vegetation along the shoreline.

The field inspection party did not submit any data to assist the compiler in identifying bluffs along the shoreline. Therefore, they were detailed according to stereoscopic examination of the office photographs. Since the character of the bluffs, whether rock or soil, could not be ascertained satisfactorily by stereoscopic examination, the dirt bluff symbol was used throughout.

30 MEAN HIGH-WATER LINE:

The mean high water line (firm ground) has been shown by a solid heavy weight black acid ink line, the center of which should be taken as the true position.

31 LOW-WATER AND SHOAL LINES:

The limits of rock ledges and grass and rock areas as they

31 LOW-WATER AND SHOAL LINES: (Cont.)

were identified on the office photographs of the dates listed on Form No. T-1, are shown by a solid light weight black and ink line. The limits of mud flats have been shown by a dotted black acid ink line. Notes have been added on the overlay sheet to assist in identifying these areas. These limits are for the use of the hydrographer only. They should not be accepted by any mapping agency as indicating the true position of the Mean Low-Water Line.

32 DETAILS OFFSHORE FROM HIGH-WATER LINE:

The approximate limits of several reefs which were shown by the field inspection party on high-water photographs have been detailed directly from the field inspection photographs and are shown by a light weight dashed black acid ink line.

Rocks, old piling areas, piers, etc., have been shown in accordance with the field inspection data. The extent to which rocks bare at Mean High Water or Mean Low Water has been shown by notes on the overlay sheet.

33 WHARVES AND SHORELINE STRUCTURES:

Piers, cribbing, bridges, and old railroad trestles were shown on this map drawing in accordance with the field inspection data.

34 LANDMARKS AND AIDS TO NAVIGATION:

The following recommended landmarks have been shown on this map drawing by $2\frac{1}{2}$ mm black acid ink circles, and their geographic positions have been submitted on form No. 567.

Stack, Black, twin, most southerly
Tower, Fort Edgecombe, block house

*Chf. Lel.
No. 303
1943*

35 HYDROGRAPHIC CONTROL:

The positions of twelve (12) recoverable topographic stations and one hundred and forty-seven (147) temporary hydro-graphic stations have been established on this map drawing. One hundred and forty-four of the temporary hydrographic stations have been established by the radial intersection method. They have been shown by purple or green ink circles on the glossy side of this map drawing, depending on whether their positions are considered to be relatively strong or weak respectively. The positions of the remaining three were established by detailing from surrounding minor detail points and have been shown by dashed green ink circles on the glossy side of this map drawing. The recoverable topographic stations and temporary hydrographic stations have been shown on the dull side by $2\frac{1}{2}$ mm and $1\frac{1}{2}$ mm black acid ink circles respectively. Descriptions of both types of stations have been shown by notes on

*Numbers
recorded on manuscript*

35 HYDROGRAPHIC CONTROL: (Cont.)

the overlay sheet. The descriptions and geographic positions of the twelve following recoverable topographic stations have been submitted on form No. 524: Numbers 1290, 1299, 1317, 1335, 1351, 1358, 1363, 1419, 1423, 1433, 1457, and 1832. *not on map*

37 JUNCTIONS:

Map drawing T-5985, north side, junction in agreement
Map drawing T-5993, east side, land area only - No junction necessary
Map drawing T-5987, south side, junction in agreement
Map drawing T-5975, west side, land area only - No junction necessary.

38 CABLE CROSSING AREAS:

The cable crossing area shown on this map drawing by parallel dashed red acid ink lines was transferred from chart No. 314, scale 1:40,000, by use of the projector and the position is to be considered approximate. *Deleted from manuscript.*

39 RECOMMENDATIONS FOR FUTURE SURVEYS:

This map drawing is believed to be complete in all details of importance for charting and no additional surveys are recommended.

It is believed that the probable error in the positions of radial points and well-defined objects along the shore line is not greater than 0.5 mm south of latitude $43^{\circ} 58'$ and 1.0 mm in the remaining area.

The error in the positions of inland radial points and details of importance south of latitude $43^{\circ} 58'$ probably does not exceed 1.0 mm, and those in the remaining area are probably correct within 1.5 mm. It is recommended that the review section of the Washington Office refer to the report on the radial plot for the area of which this map drawing is a part for a more detailed discussion of the factors determining the probable accuracy.

40 BRIDGES OVER NAVIGABLE WATERS:

All necessary data pertaining to bridges have been shown on the overlay sheet.

44 COMPARISON WITH EXISTING TOPOGRAPHIC QUADRANGLES:

Boothbay Quadrangle U. S. G. S., Scale 1:62,500; edition 1893, reprint 1941.

Due to difference in scale between this map drawing and the above mentioned quadrangle, small planimetric details could not be fully compared. In general, however, planimetric detail common to both is in fair agreement.

45 COMPARISON WITH NAUTICAL CHARTS:

Chart 314 - Scale 1:40,000, - date February 1934,
reissue July 1938. (Issued to Baltimore Office April 12, 1942)

Chart 314 was enlarged to a scale of 1:10,000 by use of the projector and planimetry compared. In general the shore-line was found to be in fair agreement with a few exceptions. These locations of very pronounced disagreement have been shown, after transferring the shore line from the chart 314 to this map drawing, by a solid green washable ink line on the glossy side.

It was also noted that there was a large discrepancy between this map drawing and chart 314 in the location of the Maine Central Railroad. The chart position of this railroad has been shown by a dashed green ink line on the glossy side.

Chart 1204 - Scale 1:80,000, dated March 1942.

Due to difference in scale between this map drawing and chart 1204, small planimetric details could not be fully compared. In general, however, planimetry common to both is in fair agreement.

Respectfully submitted 5/13/43

Harry R. Rudolph
Harry R. Rudolph
Sr. Photogrammetric Aid

Compilation & Descriptive Report
Reviewed by

Carl W. A. Supp
Carl W. A. Supp
Asst. Photogrammetric Engineer
Compilation & Descriptive Report
Supervised by

Walter E. Schmidt
Walter E. Schmidt
Asst. Photogrammetric Engineer

Approved and Forwarded
May 13, 1943

Fred. L. Peacock
Fred. L. Peacock,
Chief, Air Photographic Party No. 2

LIST OF GEOGRAPHIC NAMES

Undisputed

- ✓ • Back River .
- ✓ • Berry Island .
- ✓ • Birch Point .
- ~~✓ • Birch Point Ledge (not shown)~~
- ✓ • Chewonki Creek .
- ✓ • Chewonki Neck .
- ✓ • Colby Cove
- ✓ • Cowseagan Narrows .
- ✓ • Cushman Cove .
- ✓ • Cushman Point .
- ✓ • Davis Island .
- ✓ • Doggett Castle .
- ✓ • Fort Edgecomb (in ruins) .
- ✓ • Foxbird Island .
- ✓ • Hilton Cove .
- ✓ • Hilton Point .
- ✓ • Little Seal Rock .
- ✓ • Long Ledge .
- ✓ • Maine Central Railroad .
- ✓ • Merrill Cove .
- ✓ • Merrill Ledge .
- ~~✓ • Middle Ground (not shown)~~
- ✓ • Montsweag (village) (~~not shown~~) OK .
- ✓ • North Edgecomb .
- ✓ • Pottle Cove .
- ✓ • Rum Cove .
- ✓ • The Eddy .
- ~~✓ • The Room (not checked by field inspection party)~~
- ✓ • Westport Island .
- ✓ • Young Point .

- ✓ • Little Oak I. .
- ✓ • Bailey Pt. .
- ✓ • Cushman Hill .
- ✓ • Oven Mouth River .

- ✓ • Wiscasset .
- ✓ • Montsweag Bay .

Names preceded by • are
approved. L. Heck, 3/3/47

LIST OF GEOGRAPHIC NAMES

Disputed

✓ <u>Head of Westport</u>	Clough Point	
✓ <u>Montsweag Creek</u>	Montsweag Brook	
✓ <u>Narrows</u>	Deckers Narrows	
✓ <u>Parsons Creek</u>	Parson Creek	Parsons Cove
✓ <u>Seal Rock</u>	Seal Rocks	
✓ <u>Sheepscot River</u> . (U.S. B.G.N.)	Sheepscut River	

Names underlined in red approved

by L. Heck on 3/3/47

APPENDIX

REPORT ON RADIAL PLOT

RADIAL PLOTS
COAST OF MAINE
SHEEPSCOT BAY - SHEEPSCOT RIVER
Johns Bay-----Johns River
Damariscotta River

Project CS-272-B

The two plots to be discussed in this report cover the area included between Latitude $43^{\circ} 45' 00''$ to Latitude $44^{\circ} 03' 45''$ and Longitude $69^{\circ} 30' 00''$ to Longitude $69^{\circ} 45' 00''$. This area is represented on map drawings Nos. T-5985 to T-5994 inclusive.

The purposes served by laying these plots were to determine the adequacy of the available field inspected horizontal control previously established by triangulation and traverse, for its practical use in controlling the photogrammetric survey of the area covered; to determine the relative positions of secondary control points by radial line intersection; and to determine the relative positions of the principal points of the photographs by orientation or resection in order that the compilers would encounter no appreciable difficulty in radially plotting the positions of relatively minor detail points for use in detailing the shoreline and immediate adjacent culture within the above mentioned area; also to radially plot the positions of hydrographic and topographic stations, temporary and recoverable respectively, and landmarks for charts.

All preliminary preparations were performed in the manner usual for plots laid by the radial celluloid template method.

The average scale, 1:9670, of the photographs covering this area, was determined from a scale plot.

Before laying either plot a study was made of all the celluloid templates and the flights of the photographs, with respect to the basic control, to determine which templates should be used as the nucleus of the plots.

PLOT NO. 1

The area included in this plot is represented on map drawings Nos. T-5986 to T-5993 inclusive. The section of this plot, covered by map drawings Nos. T-5987 to T-5992 inclusive, laid well. The section covered by map drawings Nos. T-5986 and T-5993 did not lay as well as is generally desirable. The number of control stations within the area covered by these two sheets was sufficient; but the identification of many of the U. S. C. & G. S. marks was indefinite because of thickly wooded areas, and a few of the intersection stations were in doubt because of possible new construction, etc. in years following their establishment.

The primary traverse stations (U.S.G.S.) that were within the area of this plot, could not be held consistently with the U. S. C. & G. S. stations. This office decided to ignore the traverse stations (U.S.G.S.) and use the U. S. C. & G. S. stations exclusively, in conjunction with the flight lines, in order to carry the plot forward.

New positions of the traverse stations were established by radial intersection. The longitude of these new positions was in disagreement approximately 0.1mm to 0.5 mm with the longitude of the original plotted positions. The latitude was in disagreement approximately 1.0mm to 1.6mm. These new points were treated as secondary control and have been shown on the map drawings with double purple, green, or red ink circles. The red or purple ink circles indicate positions of these points that were considered relatively strong with respect to the basic control (U. S. C. & G. S.). The green ink circles indicate positions of these points considered relatively weak with respect to the basic control (U.S. C. & G. S.). These new points can be readily identified on the map drawings by their proximity to their original plotted positions which were shown by the usual triangulation symbol.

Positions of the secondary and principal points of the photographs established by the plot were transferred to the map drawings by a generally accepted method. The secondary points have been indicated by small double or triple purple, red, or green ink circles on the map drawings. The principal points have been shown with large purple or green ink circles with the number of the photograph noted.

A statistical report is included herein in order to show in a condensed form, all possible control available; its relation to the plot, explanations of double or triple ink circles; number of celluloid templates laid; decisions made, etc. after final acceptance of the plot by this office. It is believed that no other discussion is necessary.

Experimental data was obtained from this plot for the use of Comdr. O. S. Reading in accordance with instructions dated January 9, 1943. This data has been submitted to the Washington Office.

PLOT NO. 2

The area included in this plot is represented on map drawings Nos. T-5985, T-5986, T-5993 and T-5994. Part of the control in this area included 44 primary traverse stations of the U. S. G. S. These stations could not be held consistently with the U. S. C. & G. S. stations. The primary traverse stations were ignored and the plot was laid using only the U. S. C. & G. S. stations in conjunction with the flight lines.

New positions of the P. T. stations (U.S.G.S.) were established by radial intersection. The maximum difference in longitude between the original and the new positions was approximately 0.4mm. The average difference in longitude was approximately 0.2mm. The maximum difference in latitude was 1.6mm. The average difference in latitude was approximately 1.0mm. The minimum difference in latitude was 0.4mm. The latitude difference was maximum at latitude $43^{\circ} 59' 00''$ and decreased to a minimum at latitude $44^{\circ} 03' 45''$. The change of positions was generally consistent in a northerly direction. The new positions of these traverse stations have been shown on the map drawings by double or triple purple, red, or green ink circles. The red and purple ink circles indicate positions of points relatively strong, and the green ink circles, positions of points relatively weak with respect to the basic control. These points can be readily identified on the map drawings by their proximity to their original plotted positions which have been shown by the usual triangulation symbol.

The P. T. stations (U.S.G.S.) shown just west of longitude $69^{\circ} 45' 00''$ on map drawing No. T-5985 could not be used in the plot. The photographs on hand did not cover the area sufficiently for the proper identification of the stations. The Index Map No. 1 submitted by the Washington Office did not indicate the location of any photographs near these stations that could have been used in laying this plot.

No appreciable tilt was apparent in the photographs. However, if tilt computations are eventually necessary, they will be discussed in the reports of the compilers.

The plot was accepted by this office under the conditions previously stated in this report. The secondary points and the principal points of the photographs as established by this plot were transferred to the map drawings by a generally accepted method. They are shown on the map drawings by small double or triple purple, red, or green ink circles.

A statistical report is included herein in order to show all possible control available; its relation to the plot; explanation of double or triple ink circles; number of celluloid templates laid; decisions, etc. made after the final acceptance of the plot. It is believed that no other discussion is necessary.

REMARKS

The number of photographs was adequate.

The control identification was adequate insofar as the intersection stations were concerned. Identification of station marks was inadequate in many cases. This condition was due to surrounding thickly wooded areas.

The accuracy of the location of secondary points established by the first plot is believed to be within 0.5mm on map drawings Nos. T-5987, T-5988, T-5989, T-5990, T-5991, T-5992, T-5993. The accuracy of the location of secondary points established on map drawing No. T-5986 is believed to be within 1.0mm to 1.5mm. This accuracy is relative to the basic control.

The accuracy of the location of secondary points established by the second plot is believed to be within 1.5mm in the area covered by map drawing No. T-5985, 0.5mm on map drawings Nos. T-5994 and T-5993 and 1.0mm to 1.5mm on map drawing No. T-5986. The accuracy is relative to the basic control.

If time permits, experimental plots will be laid using only the P.T. stations (U.S.G.S.) in the areas mentioned in other paragraphs of this report. The base sheets will be used when the experimental plots are laid. It is believed that the majority of these stations could be held within themselves. The most obvious disagreements between the planimetric detail on the map drawings of this office and future U.S.G.S. quadrangles will be where the traverse stations have been established on the centers of bridges. The location of the bridges will be in disagreement approximately 1.5mm in latitude and the probable disagreement in longitude will be approximately 0.2mm.

U.S.E. station marks recovered in 1942 by Lieut. Henry O. Fortin were plotted and used in both plots only when necessary. They generally proved to be superfluous. In the vicinity of their locations, the U.S.C. & G.S. usually had sufficient control (intersection stations) which could be accurately identified on the photographs.

The plot of each map drawing was refined individually after acceptance of the main plots. No appreciable change of the positions of the secondary points was necessary.

Flight lines in general, held fair in the plot. The maximum deviation was approximately 0.5mm.

Recommendations for the disposition of stations whose recovery was doubtful, have been noted on the recovery cards, form No. 526, which had been submitted to this office by Lieut. Henry O. Fortin, and which will be submitted to the Washington Office at a later date.

STATISTICAL REPORT

Double or triple purple ink circles indicate relatively strong positions of secondary points on Map Drawings.

Double red ink circles indicate relatively strong positions of common secondary points of adjoining Map Drawings.


Double green ink circles indicate relatively weak positions of secondary points on Map Drawings.

Ten Map Drawings Nos. T-5985 to T-5994 Inclusive - Plots 1 & 2
Stations marked with a "p" were poor - Identification very doubtful
Stations marked with a "t" held tangent or better
Stations marked with a "T" could not be held better than tangent
67 Celluloid templates used in plot No. 1
35 Celluloid templates used in Plot No. 2
132 Control stations investigated for use in Plots 1 & 2
68 Control stations could not be used in the plots.
74 Control stations were used to control the plots.
279 Secondary control points located - Total for plots 1 & 2 - 80% intersections, very good - 10% intersections, good - 10% intersections, fair or poor.
72 Principal points of photographs located - plots 1 & 2
Area covered: Approximately 280 square statute miles - Plot 1 & 2
Positions of many stations in disagreement approximately 1 to 3 meters as listed on different issues of Form 28-B. This office selected the positions from the assumed best possible sources.

Respectfully submitted,
May 13, 1943


Walter E. Schmidt
Asst. Photogrammetric Eng.

Approved & Forwarded:
May 13, 1943


Fred. L. Peacock, Chief
Air Photographic Party No. 2

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

T-5986

SIGNAL NUMBER

DESCRIPTION

1282	Dead tree on rocky island ledge surrounded by salt grass.
1283	6' south of brushline on flat rocky point.
1284	Eastern extremity of stone dyke on west side of channel at head of cove. (Signal site)
1285	20' bushy pine at head of small bight-Northernmost of group on SE side of bight.
1286	Top center of small white rock island north of larger island (Signal site) Point is on grass patch.
1287	(Signal site) Round brown boulder south of oaks on east side of point (on edge of salt grass)
1288	White point north of small bight at tip of brushline. (Signal site)
1289	Point on SE corner of island 6' south of brushline.
✓ 1290 <i>fm 524</i>	Stone duck blind on ledges south of island.
1291	(Signal site) Top center of projecting rock off brushline on point.
1292	Bare spot at brushline on point at head of cove. (Signal site)
1293	(Signal site) Edge of brushline on white rock point east of grassy beach.
1294	Top part of white rock on point south of crooked pine. (Signal site)
1295	High point south of niche on cliff like rock ledge-north of oblong boulder (Signal site)
1296	(Signal site) High part of brown rock point projecting south just north of small bight.
1297	Patch of dead low brush on grey rock point north of narrows.
1298	Tip of vegetation on north end of rock point south of salt grass area.
✓ 1299 <i>fm 524</i> <i>but not on final map</i>	Center grasspath on oblong white rock ledge of duck blind.

T. 5986

SIGNAL NUMBER

DESCRIPTION

- | | |
|-------------------------|---|
| 1300 | Center of yellow rock point near another duck blind. |
| 1301 | Edge of juniper bush on rounded yellow rock point north of grassy bight. |
| 1302 | 12' bushy spruce in bare spot at head of cove, a small 3' spruce lies 10' to SE on shore line and some low bushes (junipers) lie to south. Same bights on both sides. (Signal site) |
| 1303 | North tip of grassline on rocky point off spruce cluster. |
| 1304 | 6' north of last spruce on point just north of narrows on west shore. (Signal site) |
| 1305 | Top center of grass patch on mottled grey ledge (Signal site) S.W. of narrows. |
| 1306 | Small tree in center of brush covered island-6' high (Banner site) |
| 1315 | Outer end center of fixed pier on east side of cove. |
| 1316 | North tip of grass on rock point north of narrows. |
| ✓ 1317 <i>from 5-24</i> | SW gable of grey house on water edge. |
| 1318 | Southernmost of isolated group of 5 pines on edge of hayfield and shoreline. (Signal site) |
| 1319 | Trimmed lone pine on edge of field, tufted top remains. (Banner site) |
| 1320 | (Banner site) Group of pines at break in bank on edge of hayfield-another pine 20' north. |
| 1321 | Pine tree in open brush where hayfield approaches waters edge. (Signal site) |
| 1322 | (Signal site) Lone 8' pine 50' south of large maple on bank. |
| 1323 | West end of wooded island at brush line. (Signal site) |
| 1324 | Lone pine tree on brush covered tip of point at head of tributary channel. (Signal site) |
| 1325 | (Signal site) Tip of white rock point on north side of small bight. |

SIGNAL NUMBER

DESCRIPTION

1326	Small maple in brush patch south of old cat walk. (Signal site)
1333	Edge of grass on white rock ledge (Signal site) near dead tree lying on rock.
1334	SW corner of southernmost of two shanties on point.
✓ 1335 <i>Jan 5-24</i>	South gable of green-roofed house in clearing on west side of river (T.S.)
1336	(Signal Site) 35' pine SW of long house.
1337	NW. corner of rock pier near post.
1338	White tip of smooth brown rock ledge-north of an abandoned open barn. (Signal Site)
1339	SW corner of tip of pier at ferry landing.
1340	North tip of brush on white rock point north of pines. (Signal site)
1341	Tip of peaked white ledge off grassy point.
1342	(Signal site) 10' out from bank on gravel and stony point (first one north of a field on left, <u>not</u> one opposite red buoy.)
1343	Square white boulder at clay bank on point (Signal site)
1344	(Signal Site) Top center of green-topped roof, 60' south of red barrel beacon.
1345	Top center of north end of white whale back ledge east of barrel beacon.
1346	Outer end center of fixed pier or cribbing at mouth of cove.
1347	Juniper at edge of grassline on rounded white rocked rimmed point.
1348	4' white boulder at foot of 35' pine on shoreline of grassy bight.
1349	(Signal site) 20' lone pine on point south of group of small pines.
1350	Edge of juniper on point west of deep bight. (Signal site)

SIGNAL NUMBER

DESCRIPTION

✓ 1351 <i>fm 524</i>	Tower on historic blockhouse on south Point Davis Island Ft. Edgcombe Built (LM), 1808-1809.
1352	Highest part of bare rock north point Westport Island. (Signal site)
1353	South edge of brush on south end of wooded isolated peninsula on NE tip of Westport. (Signal site)
1354	Loaf-shaped grey boulder on north edge of salt grass patch (Signal site) <u>Not</u> white boulder to south.
1355	North gable of boathouse on east side of cove.
1356	Large angular white boulder on north tip of point north of oak tree. (Signal site)
1357	NE corner of green pier.
✓ 1358 <i>fm 524</i>	Red barrel beacon. North edge reef.
1359	East gable of tar papered shack on cribbing.
1360	Top center of white rock ledge in center of bight. (Signal site)
1361	(Signal site) Top center of large boulder on point at high water mark.
1362	Outer end center of pier on point. (old support to north)
✓ 1363 <i>fm 524</i>	(Signal site) At edge of small tree on white heart-shaped rock point.
1364	(Signal site) Center flag grey rock platform below south facing cliff.
1365	Ridge to east of small grassy beach; at high water mark is point. (Signal site)
1366	Outer end center of fixed green pier.
1367	Lone pine on north entrance to grassy inlet at edge of grass. (Signal site)
1372	NE corner green pier at pole.
1410	SE corner of platform on SE end of "Little Oak" Id.
1411	North gable of barn belonging to long house on east shore.

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DESCRIPTION

1412	SE corner of cribbing off brown catwalk.
1413	(Signal site) White rock promintory just south of ferry landing opposite swing seat.
1414	8' north of edge of brushline on rock point west of double ledge. (Signal site)
1415	Edge of brushline on south tip of Berry Island. (Signal site)
1416	Top center of large grey boulder in middle of west side of Berry Island. (small saddle) (Signal site)
1417	Edge of grassline opposite two pines on brick covered rounded point. (Signal site)
1418	5' white boulder east of ledge at head of cove.
✓ 1419 <i>fm 524</i>	5' lone pine on north end of Berry Island. (Signal site)
1420	(Signal site) 5' north of brushline on white rock bulge opposite red buoy.
1421	Edge of brush in crevasse on east side of small point (Signal site)
1422	Yellow topped boulder (awash at high water) north of old stumps on shore.
✓ 1423 <i>fm 524</i>	Black barrel beacon.
1424	Center of grass patch on round grey rock ledge north of big pines.
1425	Most northwesterly of 2 northernmost pilings in cove (Signal site)
1426	Top center of large dark offshore boulders on east side of cove. (Signal site)
1427	White rock opposite cliff on west side of cove at its head. (Signal site)
1428	Lone piling 40' off west shore. (Signal site)
1429	Grassline on south tip rock point opposite large 40' pine.
1430	Top of large part of split boulder at high water level.

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DESCRIPTION

1431	3' pine on grassy hummock NW of sluice. (Signal site)
1432	SE corner of long loading pier at plant.
1433 <i>fm 5th</i>	Base of most southerly stack on plant. There is another stack (twin) about 15' to north. (L.M.)
1434	Top center of dolphin post on pilings north of crane.
1435	South gable of boathouse on shore on west end of cove.
1436	Most southerly dolphin south of private pier with bath houses.
1437	South gable of green-roofed weathered shed on pier.
1438	East gable of abandoned white house on pier south of old schooners.
1441	South gable of many-windowed white house at east end of bridge.
1442	Top center of brown rock off birch on point west of cabins. (Signal site)
1443	West end of part of old pier structure offshore. (Signal site)
1445	(Signal site) pilings in bight.
1446	Outer end center of fixed log pier.
1447	East gable of white boathouse in small bight.
1448	Chimney on top of pyramid-roofed white house in field.
1449	South gable of brown shingle boathouse.
1450	Centerline of culvert on south side of road. (Signal site)
1451	West gable of grey weathered boathouse on pilings north Edgcombe.
1452	SW corner of old log pier.
1453	Flagpole on pier opposite house with stone terrace.
1454	Center of inshore log cribbing.
1455	SW corner of long pier with high piling. North of short pier.

SIGNAL NUMBER

DESCRIPTION

1456	SW corner of rock cribbing on N. side of bridge.
✓ 1457 <i>from 524</i>	Flagpole on white pier.
1458	NW corner of platform at waters edge.
1459	SW corner of dilapidated log pier. (Signal site)
1460	6' stump at brushline on rock point. (Signal site)
1461	12' S. of claybank on point. (Signal site)
1462	Edge of brush on central of 3 ledges forming S. tip of point. (Signal site)
1463	Top center of flat boulder on salt grass at head of cove. (Signal site)
1464	(Signal site) 5' pine in center of brush in clear area on point.
1465	Center of edge of white 4' cliff on point. (Signal site)
1466	Outer end center of inclined green pier.
1467	Center of bare rock patch SW of yellow lone pine. (Signal site)
1468	White 5' boulder in front of "Molockawando" farm.
1469	Tip of peaked grey-white boulder. (awash at H.W.)
1470	Center of soil patch on pyramid shaped white rock point. (Signal site)
1471	(Banner site) N. end of stone quay.
1472	10' W. of needle patch on white rock point S. of salt grass patch. (Signal site)
1473	Tip of dark brown peaked boulder on rounded point awash or just covered at H.W. (Signal site)
1474	Top center of white 8' boulder at H.W. level.
1827	Outer end center of fixed white pier.
1828	NW corner of Juniper on grassy rock point. (Signal site)
1829	(Signal site) Top center of large smooth flat ledge with small outdoor fireplace on it, S. of wooded point.

SIGNAL NUMBER

DESCRIPTION

1830	Center south side of white shack at head of bight.
1831	Point where bridge connects onto N. fill on E. side. (Signal site)
✓ 1832 <i>Jan 5-24</i>	Base of flagpole off yellow house.
1833	E. gable of white house N. of head of cove.
1834	Middle of grass on N. part of slabby grey ledge.
1835	Top center of big grey boulder in bight on E. side of cove.
1836	Small pine on N. end of tiny wooded island. (Signal site)
1837	4' W. of bridge on grey and white ledge just N. of boulder beach on round point.
1838	Tip of white boulder in grass lying N. of white ledge.
1839	Grey top of white rock point in bight.
1840	Edge of grassline on rounded gravel point. (Signal site)
1883	Top of huge white boulder at edge of brushline.
1884	Edge of brush on white banded point S. of grassy bight.
1885	Most S.W.'ly of 3 separate Juniper patches in pasture S. of gulch at head of cove. (Signal site)
2092	Tel. pole (#6 from edge of woods on Davis Id.) pole is in channel between 2 patches of marsh grass awash at high tide (Signal site)
2093	(Signal site) Westernmost tel. pole in cove S. of route 1.
2094	Easternmost tel. pole in cove S. of route 1.
2095	NW corner of outer end of stone jetty. (Signal site)
2114	(Signal site) 5' bushy pine on long point at head of cove.

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SIGNAL NUMBER

DESCRIPTION

1444	Outer end center of fixed pier on point.
1719	Large grey boulder at point where highway fill meets shoreline. (Signal site)

Division of Photogrammetry

Review Report of

Shoreline Map Manuscript T-5986

Subject numbers not used in this report have been adequately covered in other parts of the descriptive report.

28. Detailing

Field inspection was generally adequate for shoreline delineation but noted only one bluff area. The compiler had located other bluff areas and, during review, several such areas were added. Interpretation of bluff areas was aided by referring to the previous surveys.

It was necessary to correct the mean high water line in some places, particularly at the heads of small creeks.

Recent instructions require all information from the name overlay to be applied to the manuscript. This was done and includes geographic names, numbers of temporary and permanent hydrographic stations with descriptive or explanatory notes, and notes requesting further investigation.

A list of hydrographic station numbers and descriptions was made, and is attached to the descriptive report.

34. Landmarks and Aids to Navigation

Several fixed aids to navigation exist within the limits of this map manuscript. None of them was recovered by the field inspector, and none has been shown on the manuscript. The aids are shown on H-6838, and were located by sextant fixes during the course of hydrographic field work.

42. Comparison with Contemporary Hydrographic Surveys

H-6838	1/10000	1943
H-6979 WD	1/10000	1944

Comparison with H-6838 indicated that field inspection did not note many off-lying rocks, bearing between low and mean high water. These rocks were not transferred to the map manuscript.

H-6979WD afforded no additional information.

43. Comparison with Previous Surveys

T-801	1/10000	1858-60	T-845	1/10000	1859
802	"	1860	953	"	1864

The present survey superseded the previous surveys for common detail in common areas.

46. Application to Charts

Survey T-5986 has not been applied to nautical charts as of date of this review.

Reviewed by:

Under the direction of:

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W. H. Thune, 16 Jan. 1946

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NAUTICAL CHARTS BRANCH

SURVEY NO. T-5986

Record of Application to Charts

[illegible]

M-216B-1

A basic hydrographic or topographic survey supersedes all information of like nature on the uncorrected chart. Give reasons for deviations, if any, from recommendations made under "Comparison with Charts" in the Review.