# 8036

Diag. Cht. No. 1203

Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

# DESCRIPTIVE REPORT

Type of Survey Planimetric Air Photographic  Field No. Office No. T-8036
LOCALITY
Maine State
General locality Penobscot Ray
Locality Castine - Bagaduce River & Vicinity
194 1-144
CHIEF OF PARTY D.E.Sturmer, Chief of Party F.L.Peacock, Balto. Photo. Office
LIBRARY & ARCHIVES

February 17,1950

B-1870-1 (I

#### DATA RECORD

Map Drawing Survey T-8036

Quadrangle (II): Castine, Maine, (15' Series)

Project No. (II): CS-272

Northeastern Portion U.S.G.S.

D. E. Stormer Chief of Party: Fred. L. Peacock

Field Office: Air Photographic Party No. 2

Compilation Office:

Chief of Party: Fred. L. Peacock

Baltimore Photogrammetric Office

Copy filed in Descriptive.

Instructions dated (II III):
April 1, 1942 and April 20, 1943

Report No. T-

March 18, 1944 - 28 MRC 1990 (supplemental instructions) April 11, 1944 - 28 MRC 1990 (supplemental instructions)

Completed survey received in office: 9-19-44

Reported to Nautical Chart Sections 9-26-44

Reviewed: 6-10-49 Applied to chart No.

Date:

Redrafting Completeds

January 76, 1950 Published: Registered:

Compilation Scale: 1:9,740

Published Scale:

Scale Factor (III): 1.02669

Geographic Datum (III): N.A. 1927 Datum Plane (III): Meen Sea Level

Reference Station (III): TAPLINS HILL, 1872, 1934, r. 1944

Lato: 440 24' 14.40" 445.7 m. Longo: 680, 45' 09.25" 204.7 m. Adjusted Adjusted Unadjusted Field

State Plane Coordinates (VI) & MAINE East Zone

XS

Military Grid Zone (VI)

#### PHOTOGRAPHS (III)

(UNMOUNTED)

Number		I	Date	Time		Scale	Stage of Tide				
6879	to	6881,Incl.	10/19/41	10:33 a.m	n.	1:10,000	9.9'	above	Mean	Low	Water
912	to	6914,Incl.	10/19/41	11;38 a.m	n. :	1:10,000	7.21	above	Mean	Low	Water
6972	to	6974,Incl.	10/20/41	1:37 p.m	n. :	1:10,000	3.9*	above	Mean	Low	Water
*6869	to	6872,Incl.	10/19/41	10:33 a.m	n. :	1:10,000	10.9	above	Mean	Low	Water

Tide from (III): Tide Tables, Atlantic Ocean, 1941. Heference Station
Portland, Maine, with corrections to Castine, Me., &\*Pumpkin Island.

Mean Range: 9.7' \*10.3' Spring Range: South Bay, Maine
11.1' \*11.7'

Camera: (Kind or source) U. S. Coast and Geodetic Survey nine lens camera (focal length 84"). All negatives are on file in the Washington Office.

Field Inspection by: Lieutenant Dale E. Sturmer date: Spring, 1944
Season's Field Inspection Report will be submitted at a later date.

Field Edit by: None

date:

Date of Mean High-Water Line Location (III): As of photographs taken on 10/19-20/41 supplemented by the field inspection data, obtained in 1944.

I I	
Projection and Grids ruled by (III) J.T B.R.C.	date: 6/28/44
w checked by: M.U.P D.L.	date: 7/5/44
Control plotted by: Mary R. Moore	date: 7/7/44
Control checked by: James E. Sunderland	date: 7/7/44
Radial Plot by: Walter E. Schmidt	date: 7/15/44
Detailed by: Florence M. Hammond	date: 7/21/44 to 8/11/44 8/29/44 to 9/7/44
Reviewed in compilation office by: Harry R. Rudolph	date: September 1944
44.	

Elevations on Field Edit Shoot checked by: Not applicable

date:

#### STATISTICS (III)

Land Area (Sq. Statute Miles): 41

Shoreline (More than 200 meters to opposite shore): 24.7 Statute Miles

Shoreline (Less than 200 meters to opposite shore): 1 Statute mile measured along center line.

Number of Recoverable Topographic Stations established: 20 V/

Number of Temporary Hydrographic Stations located by radial plot: 184

Leveling (to control contours) - miles:

Number of Bench Marks located by radial plot: 1 (This is also a Recoverable Topographic Station)

Roman numberals 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:

There are eleven horizontal control stations appearing on the Map Drawing for Survey No. T-8036. Of these, three are U. S. Coast and Geodetic Survey triangulation stations (one of which is identified by a Field Inspection Point) and eight are U. S. Coast and Geodetic Survey triangulation intersection stations (one of which is identified by a Field Inspection Point).

All of the following horizontal control stations lie within the detail limits of the Survey:

Two U. S. Coast and Geodetic Survey triangulation stations:

DICE HEAD LIGHTHOUSE, 1862, 1934, r. 1944 (Landmark) TAPLINS HILL, 1872, 1934, r. 1944 (not identified)

Eight U. S. Coast and Geodetic Survey triangulation intersection stations:

BROOKSVILLE CHURCH SPIRE, 1863, 1934, r. 1944
CASTINE, NORMAL SCHOOL SPIRE, 1911, 1934, lost in 1944
CASTINE ORTHODOX CHURCH SPIRE, 1873, 1934, r. 1944 (Lendmark)
CASTINE UNITARIAN CHURCH SPIRE, 1872, r. 1944
JONES, 1863, r. 1944 (F.I.P. "JON")
OLD NORMAL SCHOOLHOUSE 1872, r. 1944
STONE BEACON, 1872, r. 1944 (Fixed Aid to Navigation)
WADSWORTH COVE BOWLDER, 1911 (not used)

The following U. S. Coast and Geodetic Survey triangulation station lies just outside the detail limits of the Survey:

PENOBSCOT, 1872, 1934, r. 1944 (F.I.P. "PEN")

The triangulation stations were shown on the Map Drawing with the conventional triangulation symbol, while the Field Inspection Points are shown with small black acid ink squares.

\* This station was not used to determine the positions of the recoverable topographic stations, temporary hydrographic stations, secondary and tertiary points, and photograph centers within the area of the Survey.

A copy of the Identification Report of the horizontal control within the area of the Survey, as furnished by the Field Inspection Unit, is attached to this report.

#### 27 RADIAL PLOT:

For a discussion of the radial plot, see "Special Report on the Radial Plots for the Areas of Surveys Nos. T-8014, T-8015, T-8018, T-8019, T-8036, and T-8037" submitted July 26, 1944 and is new included in Descriptive Report T-8014.

#### 28 DETAILING:

The shoreline and immediate adjacent detail appearing on the Map Drawing have been shown in accordance with instructions and the field inspection data.

In general, the scales of the Map Drawing and the photographs were in good agreement. The number and distribution of the photographs were satisfactory for office detailing.

The field inspection data were adequate for the compilation of the Mean High-Water Line, approximate Mean Low-Water Line, fore-shore and offshore areas, but were not fully complete for the adjacent interior detail. In the area north of North Castine, along the west shore of the Bagaduce River, all adjacent interior features were detailed as interpreted from the office photographs by the Baltimore Compilation Office. Several roads which were not classified by the Field Inspection Unit were shown as interpreted by the Baltimore Compilation Office. The drainage immediately adjacent to the shoreline within the area of the Survey, was not fully investigated and has been shown as interpreted by the Baltimore Compilation Office.

The main bodies of water within the area of the Survey are Castine Harbor and portions of the Bagaduce River and Penobscot Bay. The shorelines of these waters are mainly backed by wooded earth bluffs, 5 to 30 feet in height. There are, however, a few small stretches of rocky bluff, ranging from 5 to 40 feet in height.

The shoreline and immediate adjacent culture have been detailed and shown eastward from the original eastern detail limits of the Survey for the area outlined with red washable ink on the glessy side of the Map Drawing. This area includes all of the area of Map Drawing, Survey No. T-8047 which was field inspected by the Field Inspection Unit of 1944. The remainder of the field inspection of Northern and South Bays, of which the above mentioned area is a part, will not be made during the season of 1944, in accordance with Supplemental Instructions from the Director, dated July 17, 1944.

The position of a portion of the shoreline on the south side of Hatch Cove was detailed according to sextant fix locations furnished by the Field Inspection Unit.

The position of a rock at the eastern end of the Narrows in the

#### 28 DETAILING: Cont'd.

Bagaduce River has been determined by sextant fix locations furnished by the Field Inspection Unit. A copy of the sextant fix locations is attached to this report.

The radially plotted positions of recoverable topographic stations, temporary hydrographic stations and detail points, considered relatively strong, have been shown with small single blue ink circles on the glossy side of the Map Drawing, while the relatively weak positions of such points have been shown with small single green ink circles.

Since all notes pertinent to the compilation have been lettered on the Map Drawing, no overlay sheet was made.

All roads are to be considered 0.6 mm in width unless otherwise indicated on the Map Drawing. Trails have been shown with the conventional symbol, accompanied by the note "Trail".

All buildings within the detailed area of the Survey, except small outbuildings and those whose images were not visible on the photographs, have been shown on the Map Drawing with the conventional symbol.

A list of abbreviations accompanied by explanatory notes has been lettered on the Map Drawing just outside its eastern detail limit.

#### 30 MEAN HIGH-WATER LINE:

The Mean High-Water Line (firm ground) was detailed in accordance with the field inspection data, and shown on the Map Drawing with a full, heavy-weight black acid ink line.

#### 31 LOW-WATER AND SHOAL LINES:

The approximate position of the Mean Low-Water Line was detailed in accordance with the field inspection data. This feature has been shown on the Map Drawing with a dotted black acid ink line, accompanied by the nets, "Approximate position of M.L.W. Line".

The Field Inspection Unit did not submit any data concerning shoal areas in the area of this Survey and none were visible on any of the photographs.

#### 32 DETAILS OFFSHORE FROM THE HIGH-WATER LINE:

The details offshore from the Mean High-Water Line consist of reefs, rocks, and a wreck. These features have been detailed in accordance

#### 32 DETAILS OFFSHORE FROM THE HIGH-WATER LINE: Cont'd.

with the field inspection data and shown on the Map Drawing with the conventional symbols, accompanied by pertinent notes. The extent to which the reefs, rocks, and wreck bare at Mean High-Water or Mean Low-Water, as shown on the Map Drawing, is in accordance with the field inspection data. Charted offshore features which have not been shown on the Map Drawing, are to be discussed under Side Heading No. 45.

#### 33 WHARVES AND SHORELINE STRUCTURES:

The existence of wharves, retaining wells, cribbing, piers, and other shoreline structures located within the area of the Survey, have been verified by the Field Inspection Sub-Party. Such features have been shown on the Map Drawing with the conventional symbols, accompanied by descriptive notes.

# 34 LANDMARKS, AND FIXED AIDS TO NAVIGATION: See Riview Report

Two previously charted Landmarks have been shown within the limits of the Map Drawing with the conventional triangulation symbol accompanied by the note "Landmark". They are as follows:

CHURCH SPIRE (Same as U.S.C.& G.S. Triangulation Station "CASTINE ORTHODOX CHURCH SPIRE, 1873, 1934, r. 1944")
TOWER (Same as U.S.C.& G.S. Triangulation Station "DICE HEAD LIGHTHOUSE, 1862, 1934, r. 1944")

Since the charted positions of these Landmarks appear to be in error, Form No. 567 was submitted on August 11, 1944. Chartletter 578 (44

filed under Charter 570-17 in Vantable Sint.

One previously charted Fixed Aid to Navigation "DICE HEAD LIGHT" (unwatched) has been shown on the Map Drawing with a 2½ mm black acid ink circle, accompanied by the note "Fixed Aid to Navigation". Another previously charted Fixed Aid to Navigation, "HOSMER LEDGE BEACON (Mon.)" (Same as U.S.C.& G.S. Triangulation Station "STONE BEACON 1872, r. 1944") has been shown on the Map Drawing with the conventional triangulation symbol, accompanied by the note "Fixed Aid to Navigation".

Since the charted positions of these Fixed Aids to Navigation appear to be in error, Form No. 567 was submitted on August 11, 1944.

#### 35 HYDROGRAPHIC CONTROL:

The selected hydrographic control for the area of the Survey consists of 184 temporary hydrographic stations and 20 recoverable topographic stations. Their positions have been determined by the radial plot

#### 35 HYDROGRAPHIC CONTROL: Cont'd.

and shown on the Map Drawing with  $2\frac{1}{2}$  mm. black acid ink circles.

The names and numbers of the Recoverable Topographic Stations accompanied by the note "Recoverable Topographic Station", and the numbers of the temporary hydrographic stations have been lettered on the Map Drawing. The descriptions of the Recoverable Topographic Stations and temporary hydrographic stations have been compiled in a list. Two copies of this list were submitted to the Washington Office on August 11, 1944, and an additional copy is attached to this report.

Form No. 524 was submitted for each of the following Recoverable Topographic Stations on August 11, 1944:

No.	Name
261	Cupola on Building
267	Southeast Gable Yellow House
275	Center of Culvert
277	Southerly Gable of Unpainted Barn
281	Northeast Gable Hip-roofed Harn
295	Southwest Gable of White House
308	South Gable White House
309	North Gable of Shingle Cottage
347	West Gable Unpainted House
361	West Gable White House
372	West Gable 2-Story House
395	Northeast Gable White House
424	North Gable Cottage
457	Dice Head Light (unwatched)
463	Northeast Gable White House
470	Southwest Gable White House
478	Center of Large Brown House
487	Southwest Gable Unpainted Barn
512	West Gable White House
none	Castine, Penobscot Bay - Tidal Bench
<del>አል</del>	Mark 2 (1911) CHIMNEY, 2 - story house

#### 36 CABLE CROSSINGS:

A cable crossing area has been shown on the Map Drawing by dashed red acid ink lines as traced from Chart No. 311 by use of the vertical projector.

#### 37 JUNCTIONS:

A junction of shoreline and immediate adjacent culture was made

#### 37 JUNCTIONS: Cont'd.

with Map Drawing for Survey No. T-8037 to the north and was found to be in good agreement.

As the compilation for Map Drawing, Survey No. T-8035, to the south has not yet been started, junctions with that Survey will be made at a later\_date.

The area at the junction with Map Drawing, Survey No. T-8019, which lies to the West, consists entirely of water and no junction need be considered.

As the compilation of Map Drawing, Survey No. T-8047, has not been started, junctions with that Survey will be made at a later date. patinfactory junction was made with 7-8047

#### 38 GEOGRAPHIC NAMES:

As instructed, no geographic name investigation was submitted by the Field Inspection Unit for the area of the Survey.

The geographic names shown on the Map Drawing were obtained from published data available to this Compilation Office.

An alphabetical list of the geographic names appearing on the Map Drawing is attached to this report.

Jeographic names have here checked during review in the Washington Office. (See appended lipt at end of this report)
39 RECOMMENDATIONS FOR FUTURE SURVEYS:

The compilation of this Map Drawing is believed to be complete with respect to all detail necessary for charting. The position of the planimetric details is believed to be within the limits of satisfactory accuracy.

#### 44 COMPARISON WITH EXISTING TOPOGRAPHIC QUADRANGLES:

U. S. Geological Survey Castine, Maine (15' series), scale 1:62,500, edition of 1943.

Since the scale difference between the Map Drawing and the abovementioned quadrangle was very large, comparison of small planimetric details could not be readily made. By visual comparison, however, the following differences were apparent:

Several swamp areas appearing on the quadrangle, the existence of which were not verified by the Field Inspection Unit, have not been

#### 44 COMPARISON WITH EXISTING TOPOGRAPHIC QUADRANGLES: Cont'd.

shown on the Map Drawing.

A number of trails appearing on the quadrangle, the existence of which were not verified by the Field Inspection unit and whose images were not visible on the photographs because of dense vegetation, have not been shown on the Map Drawing.

Two piers appear on the quadrangle on the south side of Wadsworth Cove where only one is shown on the Map Drawing.

Several piers appearing in the vicinity of Castine on the quadrangle are now shown in ruin on the Map Drawing.

# 45 COMPARISON WITH NAUTICAL CHARTS:

Chart No. 311, Scale 1:40,000, published at Washington, D. C., June 1932, reissued June 1938, corrected to April 13, 1944.

Because of the scale difference between the Map Drawing and the above-mentioned chart, comparison of small planimetric details could not be readily made. By visual comparison, however, the following differences were apparent:

- \* Numerous rocks awash appearing on the chart are not shown on the Map Drawing and several rocks awash which have been shown on the Map Drawing do not appear on the chart.
- \* Several roads shown on the Map Drawing, do not appear on the above-mentioned chart.
- \* The charted positions of the Fixed Aids to Navigation "DICE HEAD LIGHT (unwatched)" and "HOSMER LEDGE BEACON (Mon.)" are in disagreement with their positions as shown on the Map Drawing.
- \* A rock ledge symbol appears on the above-mentioned chart in the vicinities of Perkins Point, Steele Point, and Smith Cove. The gravel and boulder symbol has been shown on the Map Drawing.
- \* A dirt bluff symbol was shown on the Map Drawing at Henry Point. This symbol does not appear on the above-mentioned chart.

The charted positions of the Landmarks "CHURCH SPIRE" and "TOWER" are in disagreement with their positions as shown on the Map Drawing. See River Report under them 34

\* These differences also apply to Chart No. 1203.

Chart No. 1203, Scale 1:80,000, Published in Washington, D. C.,

## 45 COMPARISON WITH NAUTICAL CHARTS: (Cont'd.)

June 1936, reissued April 1938, corrected to September 2, 1942.

Because of the great difference between the above-mentioned chart and the Map Drawing, small planimetric features could not readily be compared. However, the following differences were apparent:

The charted position of the Landmark "CHURCH SPIRE" is in disagreement with its position as shown on the Map Drawing

The differences marked with an asterisk under Chart No. 311 also apply to Chart No. 1203.

Respectfully Submitted: September 14, 1944

Florence M. Hammond, Asst. Photogrammetric Aid

Compilation and Descriptive Report Reviewed by:

Harry R. Rudolph, Sr. Photogrammetric Aid

Supervised By:

Walter E. Schmidt
Walter E. Schmidt,

Asst. Photogrammetric Engineer

Approved and Forwarded: September 19, 1944

Fred. L. Peacock,

Chief of Farty, C. & G. Survey

### IDENTIFICATION REPORT

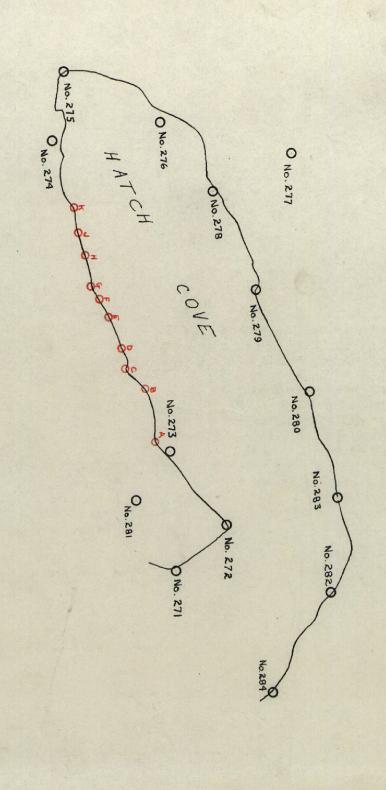
# HORIZONTAL CONTROL

# Survey No. T-8036

Name of Station	U.S.G.S. Quadrangle	Recovery Data	Pricking Data
Brooksville Church Spire, 1863	Castine	Recovered	Positive
Bukers Flagstaff, 1863	Castine	Lost	
Castine, 1861	Castine	Lost	
Castine, Normal School Spire, 1911	Castine	Lost	*Positive
* Spire was still standing in 194	11 when photog	graphs were t	aken.
Castine Orthodox Church Spire, 1873	Castine	Recovered	Positive
Castine Unitarian Church Spire, 1872	Castìne	Recovered	Positive
Castine Yellow Windmill, 1911	Castine	Lost	
Dice Head Lighthouse, 1862	Castine	Recovered	Positive
Fish House, South Gable, 1911	Castine	Lost	
Jones, 1863	Castine	Not Identif	ied Positive
North Castine Flagstaff, 1863	Castine	Lost	
Old Normal Schoolhouse, 1872	Castine	Recovered	Posi tive
Oldest House in Town, Tall Chimney, 18	372 Castine	Lost	•
Red House Chimney, 1872	Castine	Lost	
Stone Beacon, 1872	Castine	Not Identif	ied Positive
Teplins Hill, 1872	Castine	Recovered	**Not pricked
** Not pricked because a days work	c or more to	run to F.I.P.	_
Wadsworth Cove Boulder, 1911			ied Positive

June 26, 1944

Lieutenant Dale E. Sturmer



Sextant Fix Locations for a Part of the South Shoreline of Hatch Cove and a Rock in the Bagaduce River at N. E. end of the "Narrows".

	Initialed on	Measured Angle to	
Sextant at	Hydrographic Station	Hydrographic Station	Observed
Station	Number	Number	_Angle
A	282	280	58° 34°
A	280	276	71° 17'
A	279	276	32° 46'
В	282	279	89 <sup>0</sup> 19'
B	279	275	62 <sup>0</sup> 451
В	282	280	46° 35°
C	282	279	78° 05°
C	279	275	71° 45°
C	280	279	38° 16°
Ð	282	279	72° 38†
Ď	279	275	78° 22'
D	280	279	36° 20°
E	282	279	61° 34'
E	279	275	89° 02•
E	280	279	30° 45°
F	282	279	55 <sup>0</sup> 09•
F	279	275	95 <sup>0</sup> 06†
F	280	279	27° 08'
G	282	279	50° 34'
G	279	275	97 <sup>0</sup> 521
G	276	275	30° 09 •
Ħ	282	276	114 <sup>0</sup> 06'
H	276	275	36° 25'
H	280	279	יי 47 19 <sup>0</sup>
J	272	276	116 <sup>0</sup> 18'
J	276	275	42° 04'
J	280	279	16 <sup>0</sup> 29'
K	282	276	100° 16'
K	276	275	50° 00†
K	282	280	18 <sup>0</sup> 19'
Rock in Narrows	323	322	35° 11'
Rock in Narrows	322	319	104 <sup>0</sup> 09'
Rock in Narrows	322	321	69 <sup>0</sup> 18'

Coast of Maine Survey No. T-8036 Project No. C.S. 272

Descriptions of Recoverable Topographic Stations, and temporary hydrographic stations within the area of Map Drawing Survey No. T-8036

Number of Recoverable Topographic Stations 20
Number of temporary hydrographic signals 184
Total number of stations 204

Listed by Harry R. Rudolph
Harry R. Rudolph

Checked by Horence M. Hammond

and

Mary R. Moore

- 255 Base of lone 6 foot spruce on south tip of earth bluff. Tree is approximately 60 meters west of retaining wall.
- 256 Southeast corner of stone cribbing of old pier.
- 257  $\vee$  South gable of brown  $1\frac{1}{2}$  story house, sun porch on south side.
- 258 Southwest corner of wooden pier. Small shingled building on west side of inshore end. Lilac bushes at head of steps that lead down to pier.
- 259 Top of pyramidal roof on white shelter on end of pier with white railings. "Holiday House" south side of shelter.
- 260 South end of easterly of two concrete jetties.
- 261 "Cupola on Building". Station is the top of a cupola on flat-roof white building on the Castine water front. A stone jetty runs southward from the building. There is a weather vane on the cupola and both cupola and building are trimmed in green. (Recoverable Topographic Stations.)
- 262 Top of 50 foot brick stack.
- 263 Southeast gable of two story building "Acadia Wharf" on south side.
- 264 Red house on pier, green trim. Southeast gable on red house.
- 265 Northeast corner of log retaining wall.
- 266 Southeast gable on white 12 story house with lone brick chimney in center. Large dilapidated building to southwest of it.
- 267 "Southeast Gable Yellow House". Station is the southeast gable of a 12 story yellow house with brown trim and an "L" on northeast side, located on the northeastern edge of Castine, between the water front street and the shore, 20 meters from center of street and 40 meters back of the shore line.

- House is about 100 meters southwest of bend in street to the northwest(left). (Recoverable Topographic Station)
- 268 Center of pyramidal roof on brown green roofed house with chimney in center.
- 269 Center of ditch at grass line.
- 270 Light colored boulder on point at Mean High-Water Line (largest boulder.) Bare patch of bank directly behind rock.
- 271 Large flat light brown boulder off point.
- 272 Tip of grass at inshore end of sand bar.
- 273 Highest crest of large black flat ledge.
- 274 North end of dump just east of highway.
- 275 "Center of Culvert". Station is the center of the headwall at northeast end of culvert under the main road to Castine at the upper end of Hatch Cove. (Recoverable Topographic Station.)
- 276 Top of large lone offshore boulder.
- "Southerly Gable of Unpainted Barn". Station is the southerly gable of an unpainted barn with low flat cupola, located about 1 mile north of Castine, on the northern side of Hatch Cove, 250 meters from the High-Water Line, 220 meters south of where the Castine road forks, into east and west routes, and north of an apple orchard. (Recoverable Topographic Station.)
- 278 Top of small black boulder about 10 meters offshore.
- 279 White 2 foot boulder 35 meters east of small brook.
- 280 Top of 5 foot angular ledge under apple tree at High-Water Line.
- 281 "Northeast Gable Hip-Roofed Barn." Station is the northeast gable of an unpainted hip-roofed barn located on the point between Castine Harbor and Hatch Cove, 250 meters from end of point, and about 150 meters both from the High-Water Line

- in Castine Harbor and Hatch Cove. (Recoverable Topographic Station.)
- 282 Three-foot boulder on water line 1 meter offshore from Mean High-Water Line.
- 283 Small light colored boulder at Mean High-Water Line 15 meters west of small wet weather stream.
- 284 Two-foot white boulder 30 meters east of bare white patch on bank.
- 285 Round 5 foot boulder offshore.
- 286 Small 2 foot gray boulder with veins of quartz on it. Only boulder on point of such description. Three-foot white boulder approximately 17 meters to north.
- 287 Sharp tip of grass on inside of first bend in stream. There is a small brown boulder with a pointed top at the tip of grass.
- 288 Top of 2 foot white boulder with dome top at Mean High-Water .
  Line.
- 289 East end of bare patch of bank on tip of point.
- 290 Flat jagged boulder 5 feet wide 6 meters offshore from Mean High-Water Line.
- 291 Large 6 foot wide brown rock 35 meters offshore from Mean High-Water Line.
- 292 Four-foot brown rock on rounding point 5 meters offshore of point.
- 293 Spruce tree with forked top at High-Water Line.
- 294 Rock at High-Water Line on point. One-foot bar in center of 1 foot diameter rock.
- 295 "Southwest Gable of White House." Station is the southwest gable of a white house with 2 chimneys, with flagpole in southwest corner of lawn and an apple orchard east of the

house. House is located on the northwest side of the Bagaduce River, 2 miles northeast of Castine, at a small settlement called North Castine, 550 meters north-northwest of Negro Island, 230 meters back of shoreline, 160 meters southeast of paved road where it bends to the left and follows along river. (Recoverable Topographic Station.)

- 296 Northeast tip of grass on rocky point.
- 297 Southeast corner of rock cribbing.
- 298 White topped ledge 20 meters offshore. North tip of northern "Negro Island."
- 299 Two-foot brown rock on Mean High-Water Line.
- 300 South tip of brush on northern "Negro Island."
- 301 Off north tip of southerly island, dome yellow colored 1 foot rock.
- 302 Largest rock (round boulder) on northeasterly shore of southerly island, offshore.
- 303 Round 2 foot boulder at Mean High-Water Line.
- 304 Rounded yellow rock offshore from southwest end of southerly island.
- 305 Six-foot bush on south side of rock pile at southeast corner of open field.
- Tip of grass 12.2 meters east from large round topped ash tree, 128 meters northeast from oblong gray boulder which is 5.0 meters south of ash tree at High-Water Line and 25.8 meters south of dead spruce which leans out (east) over High-Water Line.
- 307 Lone apple tree that overhangs ledge approximately 20 meters north from tip of point of birches.

- 308 "South Gable White House". Station is the southerly gable of a 1½ story white house with 2 brick chimneys and a flag pole in the lawn, located on the northern shore of the Bagaduce River where it turns to the south after coming out of the Narrows from Northern and South Bays. House is 150 meters north of the shoreline, 160 meters southeast of the main road along the north side of the river and 700 meters northeast of a road main junction. There is an unpainted house to the eastward and and unpainted barn to the northeastward. (Recoverable Topographic Station.)
- of an unpainted shingle Cottage." Station is north gable of an unpainted shingle cottage with a stone chimney in the center, located on the western shore of the Bagaduce River, 2½ miles northeast of Castine, 700 meters southwest of the western end of Narrows, 20 meters back of the High-Water Line. (Recoverable Topographic Station.)
- 310 Northeast tip of projecting ledge.
- 311 Southeast corner of fence rail running between fields.
- 312 Three-foot square cement block on westerly side of stream.
- 313 Northeasterly of two 5 foot spruce trees. Large lone spruce is 30 meters west of one picked.
- 314 Small 4 foot spruce tree on southerly shore of point. South edge of grass line.
- 315 Southwest corner of log pier in cove.
- 316 Two-foot white boulder on Mean High-Water Line of easterly side of cove.
- 317 Southeast gable of unpainted barn with yellow end. Barn on southeast section of white house.
- 318 Four-foot square shaped boulder 3 meters offshore on easterly side of small cover

- 319 South tip of prominent ledge on easterly side of point. South tip of ledge drops abruptly for 2 feet and is black. A ten inch oak is 6 meters northwest of ledge.
- 320 Three-foot rock with a little quartz on it laying 4 meters south of rock pile and 4 meters north of gray rock covered on top with moss.
- 321 Center of large offshore ledge with rounded top. Ledge makes offshore about 15 meters.
- 322 Large reddish brown ledge "highest part" perforated top indented with moss 12 meters north-northeast from grayish 🛴 3 foot rock covered with heavy green moss.
- Highest tip of largest reef northeast of narrows. Transferred to 7-8047
- 324 Sharp point on ledge on water line off south end of banking.
- runs 20 meters offshore from edge of bank. Six foot boulder Transferred east of it approximately 100 meters.

  Highest part of offshore ledge in bight.

  T-8047 Highest part of pointed ledge which is west of fence which

- 326 Highest part of offshore ledge in bight.
- Three-foot gray boulder on Mean High-Water Line on north side of bight.
- 328 Highest part of reddish brown ledge on rounding point; large grayish ledge to southwestward of it.
- 329 Northeast tip of gray ledge on northeast tip of point. Tip of ledge is broken off from rest of ledge. It is 4 meters northeast from grass line and 14 meters northwest from black 3 foot boulder.
- 330 Two-foot slender ledge on shore line southeast from banking.
- 331 Northeast tip of lone juniper patch. A clump of 12 foot bushes at southwest end of juniper patch.
- 332 Large 3 foot round black boulder at head of cove.

- 333 North tip of gray ledge point at High-Water Line.
- 334 Tip of ledge on point at High-Water Line.
- 335 Highest part of long ledge at Mean High-Water Line on west side of cove. Highest part is white.
- 336 Three-foot bush at High-Water Line at east side of head of the cove in about the center of a small open space.
- 337 Highest part of large 6 foot boulder in bight.
- 338 Highest part of offshore ledge.
- 339 Forty-foot birch tree at edge of woods on a rounding point.
  Birch tree has three trunks.
- 340 Light brown ledge with rounding top in bight, highest point.
- 341 Pour-foot white boulder on Mean High-Water Line.
- 342 Two-foot brown boulder on waterline 20 meters southwest of tall 30 foot lone pine tree on waterline.
- 343 Brown 3 foot boulder 4 meters offsbore from Mean High-Water Line.
- 344 West gable of lobster house back of shoreline. House has black tar roof on it.
- 345 Three-foot yellow colored boulder on shoreline across small bight from lobster house.
- 346 West tip of ledge at High-Water Line. Clump of 20 foot cedars at inshore side of ledge.
- 347 "West Gable Unpainted House". Station is the westerly gable of an unpainted 12 story white house with 2 chimneys, located on the eastern shore of the Bagaduce River, about one mile north of the West Brooksville Church, 600 meters northeast of Negro Island, 100 meters back of the shore line and east of a rounding point. (Recoverable Topographic Station.)

- 348 Highest part of tip of ledge. Ledge has quartz on it and is at northwest end of row of cedar trees.
- 349 West gable of 2 story green cottage "Rajah Cottage."
- 350 Three-foot brown rounding boulder on High-Water Line, 30 foot embankment east of boulder.
- 351 Two-foot oblong brownish black boulder on shore line directly in front of small clump of bushes.
- 352 West gable of 12 story white house with front porch on westerly side. Flag pole in front yard of house.
- 353 South gable of southerly of two like cottages.
- 354 One-foot boulder offshore in front of one-story green cottage with name, "Sunset."
- 355 Northwest tip of rounding point of brush on east side of head of cowe.
- 356 West gable of white house, T-shaped on north side of it with brick chimney in center of ridge pole.
- 357 Northwesterly of two large offshore houlders on west side of rounding point.
- 358 Large 7 foot boulder with pointed top offshore about 10 meters from Mean High-Water Line. Drops off abruptly on westward side and slopes on east end.
- 359 Large 7 foot boulder approximately 20 meters offshore from Mean High-Water Line. Highest crest of it. Boulder is about 15 feet long.
- 360 West gable of unpainted barn which is about 15 feet to the north of a garage with four sloping roof sides. Both barns are directly in back of stone and log pier.
- 361 West Gable White House." Westerly gable of a large white house with "L" and barn attached and 4 windows showing plainly on west side of main house. House is located on the eastern side of the Bagaduce River, about 3/4 mile south-southwest of the church at West Brooksville. 250

meters back of the shoreline, 1300 meters north-northeast of Henry Point, in an open field and on the west side of a dirt road. (Recoverable Topographic Station.)

- 362 Northwest gable of red boat house with old stone pier running off from the front and westerly side halfway down beach.
- 363 Hound 6 foot boulder on north side of rounding point.
- 364 Small 3 foot boulder with sharp pointed white point below Mean High-Water Line directly in front of patch of trees on pointed banking.
- 365 Three-foot gray boulder just to the westward of grass line on the easterly side of cove.
- 366 Tip of west tip of grass on bare patch of banking. Narrow point that points out to the westward "On top of bare patch."
- 367 Thirty-foot tree with two trunks near northwest corner of bushy field.
- 368 Highest part of long ledge that is offshore at Mean High-Water, which is on west side of rounding point.
- 369 Three-foot gray boulder to the south of 3 large oak trees.
- Three-foot reddish brown boulder a little to the southwestward of wooden unpainted stairs running up on front lawn of large gray and brown house.
- 371 Stern of wreck in cove. (high part) (center of stern).
- 372 "West Gable 2-story House". Station is the west gable of a 2-story house trimmed in white; south side is unpainted and west end dark brown, located on a knoll with some trees back of it. House is on the northern shore of Smith Cove, 500 meters east of Henry Point, and 90 meters back of the shoreline. The area between the shoreline and house is a field. (Recoverable Topographic Station.)
- 373 Largest of two brown rocks on north-northwest of small island in bay.

- 374 Large loose rock on reef making out on west side of island.
- 375 Jagged tip of broken off ledge on westerly tip of island.
- 376 Large 5 foot part granite boulder on water line of south end of shore.
- 377 Center of patch of shells southeast tip of northerly island.
- 378 Center of brownish yellow 5 foot boulder east of north end of sand bar.
- 379 Highest point of 3 foot boulder with barnacles all over boulder, except on highest 6 inch point. Boulder lays just off from large patch of grass at end of cove.
- 380 Large 3 foot white granite boulder on north side of cove.
- 381 Gray granite boulder 4 feet in easterly end of cove. Boulder is southeast of dead 15 foot tree and stump.
- 382 Southeast end of bare strip of bank on rounding point.
- 383 Highest point of 6 foot reddish brown rock in head of rapids at Low-Water.
- 384 Westerly spruce tree on mound at head of cove.
- 385 Center of offshore end of old stone jetty on east end of cove.
- 386 Highest part of a ledge which is ½ way between High-Water Line and ledge which is farthest offshore. There is a granite ledge northeast of it.
- 388 Four-foot yellow boulder of northeast end of point. Lower half of rock covered with seaweed.
- 389 Highest part of northwesterly section of reef at east side of entrance of cove.
- 390 Highest part of west end of ledge. Ledge colored a gray top and a brownish bottom half.

- 393 Highest part of ledge on west side of cove. Three oak trees within 3 meters of each other standing west of it.
- 394 Three-foot square brown boulder on southwest point of island.
- 395 "Northeast Gable White House." Station is the northeast gable of a white house with chimney in the middle, located on the small island which is about 250 meters southwest of Hospital Island, and is about 50 meters in from the northern tip. House is the only one on the island. (Recoverable Topographic Station.)
- 396 Two-foot gray boulder on southeast tip of island.
- 397 Tip northeast of ledge on northeast corner of island.
- 398 East tip of grass on northeast side of island. Lone oak tree is 7 meters west of tip.
- "North Gable Cottage." Station is the north gable of the west section of an unpainted cottage with green trim and wood stairs running down face of bank in front of cottage, located about midway on the north side of the first island east of Hespital Island and about 10 meters back of the shore line. (Recoverable Topographic Station.)
- 425 √ Northeast corner of pier running northeast into bay. Small gray lobster shack, green trimmed at head of pier.
- Four-foot brown pointed boulder at head of cove. Boulder is 6 meters from Mean High-Water Line.
- 427 South tip of gray ledge at High-Water Line. South tip is white. Straight lone 50 foot birch tree southwest of boulder.
- 428 Highest part of ledge on southwest side of small island between sand bar and reef.
- Loose rock about 3 feet long at High-Water Line and is between a tall spruce and three short spruces that overhang the ledge on the westerly side of the island.

- Northwest corner of stone cribbing, largest and offshore cribbing of three such cribbings. Cribbing has split in front and center of it.
- Northeast tip of gray ledge on island, which forms on northeast tip of island.
- 436 Three-foot white boulder with white point. Boulder lays between large trunked oak tree and small clearing in field.
- 439 Top of large brown ledge offshore at High-Water. Brown ledge is on westerly tip of western side of island.
- Large 6 foot boulder on shoreline on northern side of island. Boulder is about 100 meters north of large house on island.
- East gable of small unpainted house on pier making out from island: eastward in Small cove.
- 442 Northeast gable of boat house with railway attached.
- 443 Top of long smooth ledge where a crack crosses it on top.

  Ledge is on east side of small cove.
- 444 Tip of highest part of largest ledge in cove on eastern side. A small 4 foot boulder directly to the east of tip on boulder.
- 445 Base of 60 foot pine tree on west side of cove.
- 446 Northeast tip of sharp ledge at High-Water Line on west side of cove near entrance.
- Thirty-foot birch tree which overhangs the water slightly to the eastward. Ledge projects into water northeast from birch.
- 448 Fifty-foot lone spruce tree, prominent and is among birch trees, on the easterly side of cove.
- Top of round ledge rather small with patch of sand, approximately 40 meters west of sand bar. Crooked birch tree about 10 meters southeast of round ledge.

- 450 South tip of grass at north end of sand bar running off from island.
- Northwest tip of jagged ledge with two large oak trees to the south and southeast of ledge. Small rocky beach just north of tip of ledge.
- 452 Highest part of ledge on northeast tip of island.
- 453 Two-foot high boulder 11 meters northwest of High-Water Line. Offshore boulder.
- 454 Eight-foot spruce tree at foot of banking running down from an unpainted cupola house, which lays north from spruce tree:
- 455 Sharp scuthwest gable of brown cottage with high French windows in sunparlor. Cottage has a half moon window in gable and also a very high chimney.
- 456 Southwest corner of log retaining wall. Directly south of large cottage with green trim.
- 457 "Dice Head Light (unwatched)" Station is the top of the white navigation light on a skeleton steel tower, located near the water's edge at Dice Head. This light replaces Dice Head Lighthouse. (Recoverable Topographic Station) (Fixed Aid to Navigation.)
- 458 Six-foot boulder at the foot of sewer pipe running down from cottage. Boulder lays about 15 meters south of foot of pipe.
- Blazed spruce tree. Tree is about 30 feet long and leans about 30 degrees from horizontal. A very yellow 2 foot rock lays approximately 20 meters north from spruce tree.
- 460 A very round 6 foot boulder. Largest in vicinity. TRASKS ROCK page 7-1377 for manne.
- 461 Two-foot granite brown boulder on west side of rounding point. Small double strip on west side of it.
- 462 √ Southeast gable of red boat house on south side of cove.

  There is a wooden landing pier making out from boat house towards the east about 50 feet.

- of the northeast section of a white house, located on the southmeet shore of Wadsworth Cove, 20 meters back of the shoreline,
  50 meters southwest from the southwest corner of a swimming
  pool, 20 meters west of the road along the beach. (Recoverable
  Topographic Station.)
- 464  $\sqrt{}$  West gable with white flagpole on it on west side of road, and is north of swimming pool.
- Northwest tip of largest white boulder in vicinity. Boulder runs northwest and southeast. Boulder is 8 feet high.
- 466 Forty-foot spruce tree on High-Water Line, 3 foot white rock lays 50 feet to the southward of tree.
- 467 / Southeast gable of unpainted old mill at head of cove.
- Small 10 foot bushy apple tree on the northern side of cove, just east of rounding point. Dump along shore and another bushy apple tree approximately 150 meters northeast of it.
- 469 Southwest corner of wooden pier running out from northern side of cove.
- 470 "Southwest Gable White House." Station is the southwest gable of a large white house on a hill and a sloping field running south and to the shore, located about 1 mile north-west of Castine on the northern shore of Wadsworth Cove, 180 meters from the shoreline, 350 meters west of a culvert over a small pond at the northeast corner of Wadsworth Cove and 20 meters south of the road leading up to house. (Recoverable Topographic Station.)
- 471 Five-foot boulder on westerly side of point. Twenty-foot spruce tree approximately 35 meters north of boulder. Largest boulder on point.
- 472 Six-foot brown boulder which lays 30 meters approximately, from long gray ledge which is on shoreline. South end of 6 foot boulder drops off at a sharp angle.
- 473 Six-foot round boulder south-southwest of broken ledge approximately 40 meters offshore at High-Water.

- 474 Top of 6 foot white boulder approximately 60 meters southeast from 12 foot offshore boulder.
- 475 Offshore boulder with highest elevation. Bare patch of 15 foot banking about 40 meters to the southeast of it.
- Northwest tip of brush on tip of bank on northwest point of land.
- 477 / Chimney on south end of small dark green cottage.
- 478 Center of Large Brown House. Station is the center of the top of a large brown house with rock foundation. As seen from the water the house has 3 chimneys and the roof is pyramidal with 3 dormers projecting out. House is located about 2 miles north-northwest of Castine, about midway between Perkins and Steele Points, 300 meters west of Route #166, 110 meters back of the shoreline. There is a turning circle and several small buildings to the south of the house. (Recoverable Topographic Station.)
- Two-foot granite boulder 25 meters north of overhanging birch.
  Two-foot boulder is also 13 meters north of two similar boulders 3 meters apart. There is an 8 foot grassy bank east of boulder and an open field east of it. Boulder is on High-Water Line.
- 480 Five-foot yellow brown square shaped boulder with two boulders lying close together, sandy stretch of beach running south of boulder.
- Base of lone 50 foot spruce tree. Base has been blazed about 2 feet from ground.
- 482 Forty-foot double trunked spruce tree at edge of 10 foot banking. Tree stands in a clearing with only small shrubbery around it.
- Large gray boulder upon bank in grass which lays just south of a ditch.
- Large 5 foot rounding boulder on west side of rounding point.

  On point there is a lot of birch trees.

- Twenty-foot apple tree on northwest corner of open field.

  A la story yellow house in southeast corner of same field.
- 486 Southwesterly of two 3 foot boulders on westerly tip of pointed tip of sand beach.
- "Southwest Gable Unpainted Barn." Station is the southwest gable of an unpainted barn located to the southwest of a white house with three brick chimneys. Barn is located about 3 miles north of Castine, 12 miles southwest of Morse Cove, 300 meters back of the shoreline of the first cove south of Morse Cove and 50 meters west of State Route #166. At this point Route #166 approaches the shoreline within 250 meters. (Recoverable Topographic Station.)
- 488 Southwest gable of unpainted little lobster house with green tar paper on roof. House on shoreline and a large open field with apple orchard is directly east of it.
- 489 West gable of white with green roof cottage and green trim. Sun porch on front of cottage which is to the north of two other cottages.
- 490 Gray 3 foot boulder with white 6 inch strip running through middle of it. Included in 7-8037
- "West Gable White House." Station is the west gable of the main section of a 1 story white house with lone brick chimney in center and a low unpainted section built to westward from northwest corner. House is located in the southeastern corner of a small bay which is in the northeast corner of Smith Cove, 140 meters back of the shoreline, 350 meters west of the main road along Smith Cove. The road to the house leads in from the south. There is an old unpainted barn to the south of house. (Recoverable Topographic Station.)
  - "Tidal Bench Mark 2 (1911)" Tidal Bench Mark 2 (1911) consists of the top of the projecting foundation 4 inches from southeast face of three-story brick building owned by Parker and Westcott and is 184 feet southwest from Bench Mark 1. Four inches under Bench Mark 2 there is a cross but with drill in northeast face of corner stone of foundation. Elevation: 14.69 feet above Mean Low-Water; 9.84 feet above half tide level; 4.99 feet above Mean High-Water. (Recoverable Topographic Station.)

"CHIMNEY, 1946". Station is located on a ridge of mile N.
of the NARROWS and I'v mile W. of TILLS COVE of the BAGADICE
RIVER, 70 miters NW of the Oborted read between CASTINES
and PENOBSCOT and I'vs meters NW of a gray barn access the
road Station is the CHIMNEY on a Vistory thouse which is
the closest farmhouse to the large where in the road.

#### GEOGRAPHIC NAMES

#### (Undisputed)

- Bagaduce River
- · Blockhouse Point
- · Bog Brook
- . Castine
- . Castine Harbor
- · Dice Head
- . Fort George
- · Hatch Cove
- . Henry Islands
- . Henry Point
- . Hosmer Ledge
- . Hospital Island
- . Jones Point
- ·TRASKS ROCK (checked with L. H)

- · Lords Cove
- · Middle Ground
- · Narrows
- ·Nautilus Island
- . Negro Islands
- · North Castine
- · Otter Rock Shoal
- · Penobscot Bay
- Perkins Point
- . Shepardson Brook
- · Smith Cove
- · Trott Ledge
- . Wadsworth Cove
- . West Brooksville

## (Disputed)

- Steele Point (Pending with U.S.B.G.N)

Turner Point (STEELE PT.)

- . State No. 176
- , State Nos. 166, 166A
- . State No. 199

Names preceded by . are approved. 6-2-49 L. Heck

#### Review Report Shoreline Survey T-8036 October 13, 1949

34. LANDMARKS and FIXED AIDS TO NAVIGATION .- There seems to be no basis for the statement in the Compilation Report, under this same heading, that the charted positions of the following -

CHURCH SPIRE (Castine, Orthodox Church, Spire, 1813) TOWER (Dice Head Lighthouse, 1862) HOSMER LEDGE DAYBEACON (Stone Beacon, 1872) DICE HEAD LT. (Recoverable Topo Station, 1944)

"appear to be in error." Or, again, under item 45, that the positions are in disagreement with their positions as shown on the Map Drawing.

The only explanation to be offered for such statements , might be - that in scaling those positions on Chart 311 it may not have been noticed that the 5-minute interval in latitude, below 44°25', was incomplete (i.e. only about 4.7'). And the same error may have been repeated in scaling positions from Chart 1203 where the 10-minute interval in latitude is incomplete (1.e. only-about 91).

GEOGRAPHIC NAMES .- TRASKS ROCK, (Recov. hydro station No. 460), a large boulder visible on the photographs, has historic significance and its use without the apostrophe ('s) was approved by L. Heck, Geographic Names Section. Division of Charts.

# 43. COMPARISON WITH PREVIOUS SURVEYS:

T-1330 (1872) 1:10,000 T-1372 (1874) 1:10,000

T-1377 (1877) 1:10,000

This map supersides the above surveys for nautical charting

COMPARTSON WITH NAUTICAL CHARTS:

purposes 45. COMPARTSON/WITH NAUTICAL CHARTS:

Chart 311 (1949) 1:40.000 Chart 1203 (1948) 1:80.000 Reviewed by:

L. Martin Gazik 6-10-49

Approved by:

Chief Review Section Division of Photogrammetry

Chief, Nautical Chart Branch Division of Charts