# 6840

Diag. Cht. No. 1204-2

Form 504

U. S. COAST AND GEODETIC SURVEY DEPARTMENT OF COMMERCE

# DESCRIPTIVE REPORT

Type of Survey HYDROGRAPHIC

Field No. 11143 Office No. H-6840

LOCALITY

State MAINE

General locality COAST OF MAINE

Locality SHEEPSCOT & BOOTH BAYS

194 4

CHIEF OF PARTY

L. P. Baynor

LIBRARY & ARCHIVES

JANUARY 30, 1945

8-1870-1 (1

#### DEPARTMENT OF COMMERCE

U. S. COAST AND GEODETIC SURVEY

# HYDROGRAPHIC TITLE SHEET

The Hydrographic Sheet should be accompanied by this form, filled in as completely as possible, when the sheet is forwarded to the Office.

REGISTER No. H-6840

Field No. 1143

State	MAINE
General locality	COAST OF MAINE
LocalitySHEE	PSCOT RIVER & BOOTH BAYS
Scale 1:10,000	Date of survey June - August, 1943
Instructions dated	May 7, 1941, Supplemental Instructions March 16, 1943
VesselL	AUNCHES NOS. 79 & 82 - Ship LYDONIA
Chief of party	L. P. Raynor
Surveyed by	Ship's Officers C.J. Wagner
Soundings taken	by fathometer, graphic recorder, hand lead, wire
Protracted by	J. D. Curd
Soundings pencile	d by
Soundings in x	sthongs feet at MLW MODEW
REMARKS:This	sheet was processed in the Hydrographic Section, S; E. District,
Norfolk, Vi	rginia
	<del>*</del>
	<del></del>

#### DESCRIPTIVE REPORT

#### to accompany

#### HYDROGRAPHIC SHEET NO. H-6840 (1143 Field)

PROJECT: CS-265
Sheepscot River & Booth Bays, Maine

INSTRUCTIONS DATED: May 7,1941 and Supplemental Instructions dated March 16, 1943.

NOTE: This report was written from field notes submitted by the hydrographic party and was supplemented by additional information obtained at this office.

#### SURVEY LIMITS & DATES:

This survey covers an area in the Sheepscot River and Booth Bays, Maine, south, east and west of Southport Island. The work was begun in June and completed in August, 1943.

#### VESSEL & EQUIPMENT:

This survey was accomplished by Launches Nos. 79 and 82, working from the Ship LYDONIA. Both launches used Model 808 fathometers; fathometer No. 75 was used by Launch 79, while fathometer No. 76 was used by Launch 82.

#### TIDE & CURRENT STATIONS:

See sheet on tidal data attached to this report. No current stations were established.

#### CONTROL STATIONS:

Three-point fixes were taken on signals located by previously established triangulation, air-photo and sextant cuts.

#### SHORELINE & TOPOGRAPHY:

Shoreline and topographic signals were located from the following reverse prints;-

T-5988 (1941) T-5989 " T-5990 "

#### SOUNDINGS:

The soundings were taken with the Submarine Signal Corporation, Model 808 Fathometers Nos. 75 and 76. The soundings on shoals were checked with the handlead.

#### CONTROL OF HYDROGRAPHY:

All soundings were located by fixes taken by sextants on shore signals and plotted by the three arm protractor.

#### ADEQUACY OF SURVEY:

Attention is directed to "Approval by Chief of Party" which is attached to this report.

#### CROSSLINES:

An adequate number of crosslines were run. Because of the irregular bottom the crossline soundings differed in some instances. However, some of these discrepancies in crossings were attributed to slight displacements of hydrography.

## COMPARISON WITH CHART:

See "Notes for Descriptive Report" attached to this report.

#### DANGERS & SHOALS:

See "Notes for Descriptive Report" attached to this report. The dangers have been reported on Form No. 786.

Respectfully submitted,

Cartographic Engineer

Norfolk, Va. Jan. 27, 1945

Approved & Forwarded

Supervisor SE District

Shoals noted on preliminary Review for project CS-265, Charts 313 and 314 were investigated. and all charted soundings verified, with the following exceptions:

No. 17, Chart 314 - This area was covered by closely spaced Lat 4346.6, box 693.7 sounding lines and no indication of the shoal found. About 16ft carried forward 300 meters north of the spot a least depth of 10 feet was Review, Par. 5c (2) found. This latter depth falls near a charted 14 foot sounding from H-771(1860).

The 11 foot sounding from H-771(1860) and Colby 1882, was Lat. 43.45.46.46.3147.378.88 searched for on two occasions at low tide, smooth sea. Kelp 11ft retained was visible at a depth of 10 to 12 feet under the surface, but Review, Par 5a(5) no bottom was visible. The kelp was so thick that the lead gapers and by would stop on the kelp then drop through. A least depth of 10ft on H-1983(1944) w.b. 18 feet was obtained on the rock itself. However, the 11 foot \$\frac{1}{15}|41 - 6.54\$. sounding should be retained until disproved by wire drag.

The rock ("The Motions") from H-771 was verified, but other rocks were located to northward which are not charted. This party does not believe a 16 foot channel should be charted to north of "The Motions". A depth of 45 feet should be indicated for this channels show on the present survey

Lat. 43°45,05'
Long: 69°37.15'

On Pinkham Shoal a least depth of 15 feet was obtained but recommend that 12 feet be continued on chart. Language 9 35.4

The channel between Damariscove and Fisherman Islands has many spots shoaler than charted. Let 43°47.2, Long 69° 36.2'

On Chart 313, the charted rocks and cheals were verified, except as noted but less water was obtained on some of the shoals. On outer Heron Ledge a least depth of 62 feet was obtained. This rock breaks in a heavy swell. Lat 43°46.2 Long 69° 33.87

The 10 foot spot to south and east of Pumpkin Island, from "If t considered H-791, was searched for, and a least depth of 11 feet obtained of from Recommend the 10 foot be retained on chart Lar. 43° 45.08 Pullsbury's 1885 investigation

The rock in lat. 43 45.72, long. 69 35.3 was not verified.

Work was carried on in the vicinity at low tide, with heavy swell, and no breaker or other indication of rock was noted.

Recommend it be deleted from the chart.

C. O. Wagner, Lt. Comdr. C&GS

Approved:

L. P. Rayner, Lt. Comdr. C&GS

Chief of Party

# TIDAL NOTE

Tide gages at Boothbay Harbor and Damariscove Island

were used for reducers for this survey.

M.L.W. on Staff 3.9 at Boothbay Harbor 2.4\*

M.L.W. on Staff 3.0\*\* at Damariscove Harbor

\* before 1700 - 8-15-43 \*\* rest of season

# APPROVAL BY CHIEF OF PARTY

Boat Sheets 1143, Reg. No. H-6840 have been inspected and approved by me. The field work was done under my daily supervision. No additional hydrography is considered necessary. In the area that has been wire dragged, the drag clearance over shoals to be considered should be used for least depths.

(page 3)
As noted in the notes, the 11 foot sounding charted west of Damariscove Island should be retained until cleared by wire drag.

L. P. Raynor

Lieut. Comdr. C&GS

Commanding Ship LYDONIA

Volume	Day	No.of Positions	Statute miles Sdg. line
ı	a (blue)	131	23.1
ī	b "	122	17.4
1 & 2	e n	151	17.6
5	d "	62	7.1
á	a (red)	114	12.8
<b>á</b>	b "	227	35.7
ź	c II	90 /	11.5
2	d "	115	10.4
2 & 4	e <sup>II</sup>	174	28.4
4	f "	211	34.5
5	g "	167	15.0
5 8 6	ĥ "	135	16.2
1 1 & 2 5 3 3 2 2 & 4 5 5 6 6 8 7	j "	63	3.7
6 & 7	k "	218	18.8
7	1 "	129	18.3
7 & 8	m "	227	31.3
8	n "	216	36.6
9	p "	120	15.2
9 & 10	q "	204	32.2
10	r "	152	21.5
10 & 11	s "	226	38.9
11	t "	158	16.6
11 & 12	u "	209	31.8
12	v "	93	9.2
12 & 13	w <sup>II</sup>	155	24.3
13 & 14	ж "	233	30.3
14	y "	33	3.4
14	Z "	198	21.0
14 & 15	aa "	228	29.8
	Total	4561	612.6

## LIST OF SIGNALS SHEET NO. H-6840(Field 1143)

```
TRIANGULATION STATIONS
CUCKOLDS LIGHTHOUSE 1934
DAMARISCOVE C.G. EAST LOOKOUT TOWER 1934
SQUIREEL I. END BEACON, 1934
THE HYPOCRITES BEACON, 1934
RAM ISLAND L.H., 1934
DAMARISCOVE C.G. MEST LOOKOUT TOWER 1934
WHITE ISLAND 1934
GRIPFITH HEAD, 1857
                       (Signals with asterisk are from
TOPOGRAPHIC SIGNALS
                        Topo Sheet No. T-5990, others from ShiNo.
Abe*
       Frap
               0r
                        T-5989)
       Gait
A3m#
               Pada
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Alum
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Bark
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                       Zag*
Boat*
       Hoe
               Ram
                       Zig
        Ida*
Brat
               Rio
Caw
        It
               Sam
        Ivy*
Cod*
               Sop*
Crib*
        Jane
               Spar
        J1b*
Damp
               Tank
Dare
        Job#
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Doe*
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        Lam* Urn
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               Van*
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 Pad
                Wasp
 Fail*
        Lay
                Kax
 Fare
        Lazy
                Wen*
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 Dunk
                WOLE
 HYDROGRAPHIC SIGNALS
        See Sdg. Vol.
              5
 Ant
              5
 Apt
 Ben
         from 1243(Reg.H-6839)
 Bird
         See next page
 Bum
 Cent
              2
         See next page
 Cop
              4 & 5
 Day
              1 - also on 1243
 Gal
                  Reg. H-6839
              2
 Galc
              8
 Kay
         Boatsheet
 Kid
              4
 Lame
              9
 Kan
              10
 New
              4 & 5
 Nip
 Hap
 011
              10
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9 (also can be obtained from picture)
Rat
Toy
           See this page
Tree
           2
           8
Yak
At Toy - (by bldg. party, MV WAINWRIGHT)
No. 306 (T-5990)
Hypo 32 39
Ivy 44 48
At Cop - Boat
                      136 25
           Caw
                       30 40
           East
At Bum - Boat
                      135 00
                       23 43
           Caw
           West
                       18 41
           East
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# Surveys Section (Chart Division)

# HYDROGRAPHIC SURVEY NO. H684.0

Records accompanying survey:
Boat sheets .2; sounding vols15; wire drag vols;
bomb vols; graphic recorder rolls . §;
special reports, etc
· · · · · · · · · · · · · · · · · · ·
The following statistics will be submitted with the cartog- rapher's report on the sheet:
Number of positions on sheet .4561.
Number of positions checked229.
Number of positions revised8.
Number of soundings recorded postile
Number of soundings revised (refers to depth only)53.
Number of soundings erroneously spaced5
Number of signals erroneously plotted or transferred
Topographic details Time \$.
Junctions Time
Verification of soundings from graphic record Time ?.
Verification by. G.F.JordanTotal time 219 Date Mar.17,1945
Review by G. F. Jordan Time .50. Date Mar. 26, 1945

	GEOGRAPHIC NAMES Survey No. H6840		Chor. Or	designs sur	D Made	or individual	Or local Mage	O. Guide of	A SO WELLEN	J.S. Light L	
	Name on Survey	A	B	C S	/D	E	0 / F	G	H	<u></u>	
	Sheepscot Bay	•		437	691					U·S.60	1
	Booth Bay	*	-	438	696						2
. 1	Southport I.	•		438	696		<u> </u>				3
	Damariscove I.			437	طعی		<u></u>	'/		"	4
. ]	Fisherman I			457	695			/			5
	Squirrel I:			438	طه	<u> </u>		' '			6
	Cape I			437	64 6		, ,	ļ. 			7
	Outer Heron I			437	695						8
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1		_									10
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	Boothbay Harbor		(10 c	atio.	nof	ove	tido	sta	h) U	5.6.8	13
		·.			•		·				14
<i>X</i>	The Motions		12	437	696						15
•	Pinkham Shoal			437	695					\ <u>\</u>	16
X	Outer Heron I. Ledge			437	695						17
	Pumpkin Island			N				,			18
_	SÉ Breaker			- 11							19
<i>X</i>	Gr. ffith Head Ledge			457	697				-/-		20
X	Cape Harbor			437	696		-	,			21
	Cromberry Ledge			, N							22
				,							23
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Form 712
DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY
Rev. June 1937

# TIDE NOTE FOR HYDROGRAPHIC SHEET

February 3, 1945.

Division-of-Hydrography-and-Topography+

Division of Charts: Attention: H. R. EDMONSTON

Plane of reference approved in 15 volumes of sounding records for

HYDROGRAPHIC SHEET 6840

Locality Sheepscot River and Booth Bay, Maine.

Chief of Party: L. P. Raynor in 1943
Plane of reference is mean low water
3.9 ft. on tide staff at Boothbay Harbor
13.2 ft. below B. M. 6
2.9 ft. on tide staff at Damariscove Harbor
16.4 ft. below B. M. 1

Height of mean high water above plane of reference is 8.8 feet.

Condition of records satisfactory except as noted below: Tide reducers were revised on pages 46-55, Vol. 3.

Acting Chief, Division of Tides and Currents.

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. а. воужинаму уклугие огугов 15482

#### DIVISION OF CHARTS

#### REVIEW SECTION - NAUTICAL CHART BRANCH

#### REVIEW OF HYDROGRAPHIC SURVEY

REGISTRY NO. 6840

Field No. 1143

Maine, Coast of Maine, Sheepscot and Booth Bays Surveyed in June - August, 1943, Scale 1:10,000 Instructions dated May 7, 1941, March 16, 1943

#### Soundings:

· ~ \*\*

#### Control:

Hand lead 808 Fathometer Three-point fix on shore signals

Chief of Party - L. P. Raynor
Surveyed by - C. J. Wagner
Protracted by - J. D. Curd
Soundings plotted by - J. D. Curd
Verified and inked by - G. F. Jordan
Reviewed by - J. F. Jordan
Inspected by - H. W. Murray, March 26, 1945

#### 1. Shoreline and Signals

The source of the shoreline and signals is given in the desscriptive report.

The low water detail is from numerous detached positions and outlining on the boat sheet. Air photos were taken at high water only.

#### 2. Sounding Line Crossings

Agreements of crosslines are very good.

#### 3. Depth Curves and Submarine Relief

The close development has enabled accurate delineation of the depth curves.

The larger part of the present survey covers a very irregular bottom, typical of the coast of Maine. A good example is the pinnacle ledge at Lat. 43° 45.7' Long.  $69^{\circ}$  35.7' which rises from 140 ft. depths to  $9\frac{1}{2}$  ft., a distance of only 100 meters.

The remainder of the survey is over smooth sedimentary bottom dotted with occasional outcroppings of ledge.

# 4. Junctions with Contemporary Surveys

Satisfactory junctions have been completed with H-6858 (1943), H-6675 (1941) H-6805 (1942) and H-6839 (1943). The junction with H-6844 (1943) in Booth Bay will be considered after the verification of that survey.

# 5. Comparison with Prior Surveys

# a. H-771 (1860) 1:10,000 scale

The agreement in depths with this prior survey is unsatisfactory.

A number of positions were taken at 12 mile intervals, lending doubt to the positions of the intermediate soundings. Several unimportant shoal soundings falling in deeper depths on the present survey, but near comparable depths, have been considered and disregarded without comment, as it is evident that proper recording of sounding intervals might well have placed the prior soundings in satisfactory agreement.

- (1) The 57 ft. prior sounding at Lat. 43° 46.87', Long. 69° 40.56' and the 55 ft. sounding 800 meters southeast at Lat. 43° 46.55', Long. 69° 40.13', charted on 314 should be disregarded. The two prior soundings are on the same line between positions taken 1½ miles apart. They are considered to have fallen on the present adjacent 57 ft. and 33 ft. shoals, instead of in 120 ft. and 96 ft. depths, respectively.
- (2) The 15 ft. prior sounding charted on 314 at Lat. 43° 46.8', Long. 69° 39.8' should be disregarded. The 15 is considered to have fallen on the present 17 ft. shoal 170 meters NNE, instead of in 60 ft. depths. All soundings on the short prior line are erroneously spaced, according to present depths. The present 17 is considered adequate.
- (3) The 22 ft. prior sounding at Lat. 43° 46.9', Long. 69° 39.17', appearing on Chart 314 as the limiting depth in the passage, should be disregarded. The present development indicates that the 22 should have been spaced 50 meters south of the plotted position.
- (4) The 48 ft. prior sounding charted on 314 at Lat. 43° 46.45', Long. 69° 39.1', and falling in 66 ft. depths between 31 ft. and 51 ft. shoals should be disregarded. The prior sounding records were not located; however, the sounding is not considered of sufficient importance to carry forward in this area.
- (5) The 11 ft. prior sounding charted on 314 at Lat. 43° 45.46' Long. 69° 37.8' has been carried forward on this critical shoal as recommended in the descriptive report. Superseded by 10ft on H-6983 (1944) W.D. H-6983 (1944) W.D. 3/15/46-6.Ed.

Special investigation in 1882 obtained 11, 15 and 17 ft. depths. The present survey shows 19 ft. from hand lead investigation, but a definite 14 ft. depth appears on the fathogram between positions 205-206 m.

# b. H-791 (1860) 1:10,000 scale

This prior survey covers the eastern half of the present survey, where the bottom is very irregular. A satisfactory comparison between the two surveys is difficult because of steep slopes and wide spacing of soundings on the prior survey.

- (1) The 8 ft. prior sounding charted on 313 at Lat. 43° 46.13', Long. 69° 33.8', previously charted as the least depth on Outer Heron Ledge, should be disregarded. It is considered that the position of the 8 obtained from special investigation in 1883 should have coincided with the present 6½ ft. 80 meters northwest. The present survey is considered adequate.
- (2) a. The 42 ft. prior sounding charted on 1204 at Lat. 43° 44.8' Long. 69° 34.3' and falling in present 75 ft. depths should be disregarded. This sounding from Pillsbury's investigation in 1883 is considered to have fallen 170 meters southeast on the present 42 ft. shoal.
  - b. Pillsbury's 1885 location of the 19 ft. depth on SE Breaker is 90 meters east of the present correct position.
- (3) The descriptive report recommends that the <u>rock awash</u> charted on Charts 313 and 314 at Lat. 43° 45.7', Long. 69° 35.3' should be disregarded, as there was no indication of a rock at low tide at a time of heavy swells. The rock, originating from a note in the prior records in reference to a ledge 40 yards from the end of a line, could have been on the north end of the present ledges. Close development was not executed in this area.
- (4) The 21 ft. prior sounding charted on 313 at Lat. 43° 45.56', Long. 69° 35.0' should be disregarded. Falling in 34 to 42 ft. depths on the prior and present surveys, the sounding is considered to have fallen actually on the shoal area to the east. The end position of the three position line had been rejected, leaving only this sounding plotted at the middle position.
- (5) The 8 ft. prior sounding charted on 313 at Lat. 43° 45.52' Long. 69° 34.72' and falling between the 30 and 36 ft. curves on the present survey should be disregarded. The sounding is controlled by an erroneously plotted position. It actually falls on the slope of the present 4½ ft. shoal.
- (6) The 38 ft. prior sounding charted 37 on 313 at Lat. 43° 45.5' Long. 69° 35.1' has been carried forward on the present 59 ft. shoal in surrounding 66 ft. depths. The original prior sounding may have been 11 fm. instead of 7 fm., but its position on the present undeveloped shoal precludes its rejection.

(7) The 33 ft. prior sounding charted on 313 and 314 at Lat. 43° 45.02', Long. 69° 35.4', falling in closely developed 75 to 90 ft. depths, should be disregarded. Several positions on the prior line are weak and swingers. Although the prior 33 could not be satisfactorily adjusted to fall on present shoals, the present survey is considered adequate.

#### c. H-696 (1859) 1:40,000 scale

This prior survey makes a slight overlap along the southwest limits of the present survey.

- (1) The 46 ft. prior sounding charted on 314 at Lat. 43° 46.83', Long. 69° 40.4' should be disregarded. Falling in 100 ft. depths on the turn of a line, it is considered that the 46 should have fallen on the present 43 ft. shoal 200 meters northeast.
  - (2) The 16 ft. prior sounding charted on 314 and falling in 55 ft. depths has been carried forward at Lat. 43° 46.6' Long. 69° 39.7', 100 meters NNW of its plotted position. The prior position of the 16 is discredited by the present survey but as the sounding was obtained on the turn of a line it could have fallen in the present 23 ft. shoal depth.

# d. H-746 (1860) 1:20,000

A slight overlap is made on the southeast with this prior survey.

The 12 ft. prior sounding on Pinkham Shoal, charted on 314 at Lat. 43° 44.65', Long. 69° 35.4' from investigation by Pillsbury in 1885, has been carried forward, as recommended in the descriptive report. The present survey shows a least depth of 15 ft. after a 15 minute investigation with hand lead and fathometer.

#### e. <u>T-1000 (1865)</u>

The northerly of two rocks awash charted on 314 at Lat. 430 46.61', Long. 69° 36.8' should be disregarded. Both rocks awash are shown as breakers on the prior survey. No mention of either rock is given in the records of H-771 (1860). Although no mention of the northerly rock in 23 ft. depths is given in the present survey, investigation at minus tide resulted in the location of the southerly rock covered with 2 ft. at MLW.

#### 6. Comparison with Wire Drag Surveys

Wire drag surveys H-6923 (1943) and H-6830 (1943) satisfactorily covered the area of the present survey east to Longitude 69° 38'-37'. Two soundings shoaler than present hydrography have been transferred to the smooth sheet. Wire drag surveys to the east have not been received.

7. Comparison with Chart 313 (print of Apr. 15, 1944)

314 (print of July 14, 1944)

1204 (print of July 10, 1943)

The charted hydrography is from the prior surveys already discussed, with the addition of critical soundings from advance information on the present survey. One foot differences in critical depths may be disregarded, as a result of the final smooth plotting.

#### a. Chart 313

- (1) The northwesterly rock awash charted from breakers located on T-1000 (1865) at Lat. 43° 47.3', Long. 69° 34.67' is accurately defined by the present survey as being covered with 2 ft. at M.L.W.
- (2) The 48 ft. sounding charted from H-791 (1860) at Lat. 430 46.08' Long. 690 33.8' is 90 meters south of its correct position.
- (3) The 105 ft. sounding charted at Lat. 43° 47.5°, Long. 69° 35.0° is actually 165 ft. on H-791 (1860).
- (4) The 37 ft. sounding charted at Lat. 43° 46.2', Long. 69° 34.7' is actually 87 ft. on H-791 (1860).

#### b. Chart 314

- (1) No authority was found for the high water rock charted at Lat. 43° 46.7', Long. 69° 39.25'. Prior and present topographic and hydrographic surveys show low water ledge.
- (2) The 52 ft. sounding charted at Lat. 43° 47.05', Long. 69° 42.9' is 100 meters north of its position on H-771 (1860). The present survey is adequate.

# c. Charts 313 and 314

- (1) The two small high water rocks charted north and south of Lat. 43° 47.9' Long. 69° 35.3', but sketched as shoals on H-791 (1860), should be disregarded. The present survey adequately developed this area, with investigation at minus tide, resulting in rocks awash on the north and rock covered with 4½ ft. at MLW on the south.
- (2) The 28 ft. sounding charted from H-791 (1860) at Lat. 43° 48.16', Long. 69° 35.55' should be disregarded. This sounding actually falls on the edge of comparable depths on the present survey.

#### d. Chart 1204

Comparison with this chart south of the limits of chart 313 is satisfactory.

## e. Aids to Navigation

The present survey is in satisfactory agreement with the charted

aids to navigation. No addition or changes in aids are recommended.

#### f. Dredged Channels

There are no dredged channels within the limits of the present survey.

#### 8. Condition of the Survey

- a. The sounding records are complete, and indicate attention to critical details of the survey.
- b. The descriptive report is satisfactory.
- c. The smooth plotting was well done.
- d. This is an excellent survey. Close development was executed in all shoal areas, and spot examinations with hand lead, pole and fathometer were made to determine least depths on critical shoal. The limits of ledges were defined by detached positions and outlined on the boat sheet. Frequent check angles were taken at detached positions.
- e. A questionable 11 ft. depth on crossline 185 to 186 u, appears as a clear shoal echo superimposed on depth readings which agree with other lines at Lat. 43° 45.03', Long. 69° 34.97'. The 11 does not appear as astray or kelp, yet there is no indication of a shoal on the fathograms of crosslines 78-79 and 83-84 z, which show 29 ft. depths. Special investigation is not considered necessary.

# 9. Compliance with Instructions

The survey satisfactorily complies with instructions for the project.

#### 10. Additional Field Work

No additional field work is recommended. This is a basic survey for the area covered.

#### 11. Superseded Surveys

The following surveys are superseded in part.

H-696 (1859) H-746 (1860) H-771 (1860) H-791 (1860)

.....

Charles Gucc

otal. Olas

Chief, Section of Hydrography

Examined and Approved:

Chief, Chart Division

Acting Chief, Division of Coastal Surveys

# NAUTICAL CHARTS BRANCH

SURVEY NO. <u>H 6840</u>

# Record of Application to Charts

DATE	CHART	CARTOGRAPHER	REMARKS
7/25/45	238	SHE	Before After Verification and Review
3/19/46	3140	wrent StE	Before After Verification and Review (Partially
5/5/62	238	urent StE	Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
		d.	Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
,			
			M.2168.1

M-2168-1

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.

Spot corrections made to chart 313 Jam, 6/7/45 (palt. appeal)