

6717

2129

Form 504  
Rev. April 1935

DEPARTMENT OF COMMERCE  
U. S. COAST AND GEODETIC SURVEY

**DESCRIPTIVE REPORT**

~~Topographic~~ } Sheet No. 541  
~~Hydrographic~~ }

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REGISTER NO. H-6717

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State S. E. ALASKA

LOCALITY

~~EASTERN PART OF MONTI BAY~~

~~YAKUTAT BAY - GULF OF ALASKA~~

Yakutat Bay

Eastern Part of Monti Bay

---

1941

CHIEF OF PARTY

G. C. MATTISON

DEPARTMENT OF COMMERCE  
U. S. COAST AND GEODETIC SURVEY

HYDROGRAPHIC TITLE SHEET

REG. NO. H67117

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

Field No. 541

REGISTER NO. H-6716<sup>7</sup>

State S.E. ALASKA

General locality YAKUTAT BAY

Locality ~~MONTI BAY~~ Eastern Part of Monti Bay

Scale 1:5000 Date of survey June, 19 41

Vessel Launch No. 3 (SURVEYOR)

Chief of Party G. C. Mattison

Surveyed by A. C. Thorson

Protracted by R.M. Sylar

Soundings penciled by R.M. Sylar

Soundings in fathoms feet

Plane of reference M.L.L.W.

Subdivision of wire dragged areas by

Inked by C.E. Dennis 5/4/42

Verified by " " "

Instructions dated Feb. 2, 1940. Sup. April 1, 1941

Remarks: Smooth sheet and Plotting by Seattle Processing Office

DESCRIPTIVE REPORT

to accompany

HYDROGRAPHIC SHEET

REGISTER NO.H-6717

FIELD NO. 541

MONTI BAY (South side of Yakutat Bay) S.E.ALASKA

Str. SURVEYOR

G.C. MATTISON, COMMANDING

JUNE - 1941

SCALE 1:5000

PROJECT - HT 245

INSTRUCTIONS:

The survey was made in accordance with Director's Instructions dated Feb.2, 1940 and Supplemental Instructions dated April 1, 1941 for project HT-245.

SURVEY METHODS:

Standard methods for launch hydrography were used in executing this survey. Soundings were taken with the 808 Depth Recorder and reduced in usual manner for temperature and salinity. (Fathometer corrections indicated on page 2, Vol. 1). Predicted tides for Sitka, with time and range correction for Port Mulgrave, were used to reduce soundings for boat sheet.

LIMITS OF SHEET:

This survey covers the eastern portion of Monti Bay, east of a line extending from a point on south side of bay 0.7 mile east of entrance to Ankau Creek, to the point at the east side of entrance to Yakutat Roads.

CONTROL:

Second and third order triangulation executed during the current field season was used to control this sheet. This was supplemented by plane table traverses. Positions of signals were transferred from topographic sheet Field No. A-1941. <sup>-T-6830(1941)</sup>

DISCREPENCIES:

There were no discrepancies in soundings noted while executing the survey. The soundings on cross lines checked closely with those on the regular system of lines.

The low water line as transferred from the topographic sheet is in error at the west end of the northern shoreline and also along the western part of the south shoreline. At places where hydrography was in progress at low tide additional rocks were sketched in on the boat sheet. *Rocks and L.W.L. transferred from boat sheet*

There are a few areas close inshore on the south side of the bay that were not developed sufficiently due to fish nets and the buoys and cables holding them.

DANGERS:

There are no dangers in the portion of Monti Bay covered by this survey.

ANCHORAGES:

The best anchorage in Monti Bay is on the south side of bay off the entrance to Ankau Creek in about 27 fathoms of water.

SHOALS:

The 9½ fathom shoal in Latitude  $59^{\circ} - 32.83'$  and Longitude  $139^{\circ} - 45.45'$ , is the only ~~detached~~ shoal in the area covered by the survey.

JUNCTION WITH ADJOINING SHEET:

<sup>H-6718(1941)</sup> A satisfactory junction was made with Field Sheet 1141, executed during the current season.

COMPARISON WITH PREVIOUS SURVEYS:

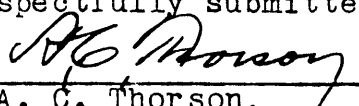
No important changes were found in comparison with previous surveys.

TABLE OF STATISTICS:


Date	Day	Letter	Number Of Soundings	Number Of Positions	Statute Miles Sounding Lines
June 22		a	596	95	13.0
"	23	b	601	115	12.9
"	28	c	191	46	6.3
"	30	d	732	143	16.2
TOTALS		4	2120	399	48.4

Total Square statute miles - 0.9

Respectfully submitted,

  
 A. C. Thorson,  
 H & G Engr.

Approved and forwarded

  
 G. C. Mattison, Chief of Party

H6717

## TIDAL DATA

HYDROGRAPHIC SHEET FIELD NO. 541  
MONTI BAY, YAKUTAT, ALASKA

Standard gage No. 403, at Yakutat, Alaska  
Latitude  $59^{\circ} - 32.8'$   
Longitude  $139^{\circ} - 44.1'$

Mean Lower Low Water on staff..... 3.3 Feet

Highest tide on staff.....

Lowest tide on staff.. ..

YAKUTAT, ALASKA, 1941

Additional Notes by Processing Office.

SURVEY METHODS:

As noted under this heading the predicted tides ✓  
were used for the boat sheets. For the smooth sheet the actual  
tides as recorded on the standard gage on the cannery dock at  
Yakutat were used.

GEOGRAPHIC NAMES:

No new names are needed in this area. All names ✓  
used are as shown on Coast Survey charts.

Records were in good order and this survey covers  
the area adequately.

March 3, 1942



Philip C. Doran,  
Officer in Charge,  
Seattle Processing Office.

RAC  
HLL

TIDE NOTE FOR HYDROGRAPHIC SHEET

March 30, 1942

~~Division of Hydrography and Topography:~~

✓ Division of Charts: Attention: Mr. H. R. Edmonston

Plane of reference approved in  
2 volumes of sounding records for

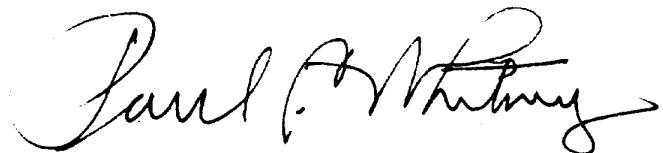
HYDROGRAPHIC SHEET 6717

Locality Eastern part of Monti Bay, Yakutat Bay, Southeast Alaska

Chief of Party: G. C. Mattison in 1941  
Plane of reference is mean lower low water reading  
3.3 ft. on tide staff at Yakutat  
28.3 ft. below B. M. 1

Height of mean high water above plane of reference is 9.2 feet.

Condition of records satisfactory except as noted below:



Chief, Division of Tides and Currents.

GEOGRAPHIC NAMES  
 Survey No. **H6717**

Name on Survey	A. On Chart No.	B. On previous survey No.	C. On U. S. quadrangle Maps	D. From local information	E. On local Maps	F. P. O. Guide or Map	G. Rand McNally Atlas	H. U. S. Light List	K
<u>Monti Bay</u>									1
<u>Point Turner</u>									2
<u>Yakutat Roads</u>									3
									4
									5
<u>Yakutat Bay</u>									6
<u>Yakutat</u>									7
									8
									9
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									27

Names underlined in red approved  
 by HECK on 5/16/42



Remarks

Decisions

1		595 395
2		"
3		4
4		
5		
6	Title	595 395 U.S.G.B
7	Location of tide staff	"
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27		

Surveys Section (Chart Division)

HYDROGRAPHIC SURVEY NO. **H6717**

Records accompanying survey:

Boat sheets .one.; sounding vols. (2)..; wire drag vols. ....;  
 bomb vols. ....; graphic recorder rolls (1)...;  
 special reports, etc. ....  
 .....

The following statistics will be submitted with the cartographer's report on the sheet:

Number of positions on sheet	.299..
Number of positions checked	..4..
Number of positions revised	..9..
Number of soundings recorded	.2/20..
Number of soundings revised (refers to depth only)	..2..
Number of soundings erroneously spaced	..0..
Number of signals erroneously plotted or transferred	..0..
Topographic details	Time ..4hr..
Junctions	Time ..9..
Verification of soundings from graphic record	Time ..0..

Verification by *C.F. Dennis*..... Total time ..18hr.. Date .5/4/42...

Review by *R.H. Carstens*..... Time 20<sup>hr</sup>... Date 5/11/42..

# MEMORANDUM

## IMMEDIATE ATTENTION

SURVEY  
DESCRIPTIVE REPORT  
~~PHOTOSTAT OF~~

No. H **H6717**  
~~No. xxx~~

{ received March 11, 1942  
registered March 26, 1942  
verified  
reviewed  
approved

This is forwarded in order that your attention may be directed to the matters as indicated below. Please initial in column 3 as an acknowledgement that your attention has been thus directed. The complete original records are available if desired. If you cannot give this your immediate attention, please initial, note, and forward to the next section marked, calling for the records at your convenience.

ROUTE		Initial	Attention called to
20			
22			
24			
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30			
40			
62			
63			
82			
83			
88			
90			

RETURN TO

82	R. W. Knox
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*R. W. Knox*

DIVISION OF CHARTS

SURVEYS SECTION

REVIEW OF HYDROGRAPHIC SURVEY

REGISTER NO. 6717

Field No. 541

S. E. Alaska, Yakutat Bay, Eastern Part of Monti Bay  
Surveyed in June 1941, Scale 1:5,000  
Instructions dated February 2, 1940 and April 1, 1941

Soundings: Portable Depth  
Recorder 808

Control: Visual Fixes on  
Shore Signals

Chief of Party - G. C. Mattison  
Surveyed by - A. C. Thorsón  
Protracted by - R. M. Sylar  
Soundings plotted by - R. M. Sylar  
Verified and inked by - C. E. Dennis  
Reviewed by - R. H. Carstens, May 9, 194~~0~~<sup>2</sup>  
Inspected by - H. R. Edmonston

1. Shoreline and Signals

The shoreline and topographic signals originate with T-6830a (1941).

2. Sounding Line Crossings

Satisfactory.

3. Depth Curves

Satisfactory.

4. Junctions with Contemporary Surveys

This survey joins H-6718 (1941) on the northwest. The junction will be considered when that sheet is reviewed.

5. Comparison with Prior Surveys

a. H-2157 (1892), Scale 1:20,000

This survey covers the entire area of the present survey. The agreement in depth is fairly good except in the deeper areas where there are differences of 2 to 5 fms. The new survey is considered entirely adequate to supersede the older surveys in the common area.

6. Comparison with Chart 8455 (Latest print date 12-19-41)

a. Hydrography

The charted hydrography falling within the limits of the present survey originates with an advanced blueprint No. 35554 of the present survey. The blueprint was a selection of soundings made by the field party from the boat sheet. These soundings reduced from predicted tides were not the final reduction and differ by 1 fathom in certain instances with those shown on the smooth sheet.

b. Aids to Navigation

No aids to navigation fall within the area of the survey.

7. Condition of Survey

Satisfactory.

8. Compliance with Instructions for the Project

Satisfactory except for the following two items:

a. The crosslines totaled only 3% of the general system of sounding lines whereas the instructions called for 5% to 8%.

b. No bottom characteristics were taken in this favorable anchorage area.

9. Additional Field Work Recommended

None.

10. Superseded Surveys

H-2157 (1892)

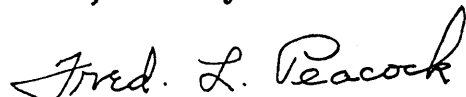
Examined and approved:



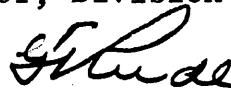
Chief, Surveys Section



Chief, Division of Charts



Chief, Section of Hydrography



Chief, Division of Coastal Surveys

Applied to CH 8455. July 1942 - J.H.S.  
Applied to 10000 scale plan of 8455 . 3-19-'45 ~~PHH.~~