

6880

6880

Form 504

U. S. COAST AND GEODETIC SURVEY
DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey Hydrographic Survey

Field No. 12143 Office No. H6880

LOCALITY

State Alaska

General locality South Side Alaska Peninsula

Locality Shumagin Is. to Mitrofanina Id.

1943

CHIEF OF PARTY

L. C. Wilder

SURVEYOR

LIBRARY & ARCHIVES

DATE

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

REG. NO. H6880

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.

Field No. 12145

REGISTER NO.

State Alaska

General locality South Side Alaska Peninsula

Locality Shumagin Is. to Mitrofanina Island

Scale 1:120,000 Date of survey Sept. 22 to 29, 1943

Vessel SURVEYOR

Chief of Party L. C. Wilder

Surveyed by L. S. Hubbard, W. F. Malnate

Protracted by H. C. Parsons

Soundings penciled by H. C. Parsons

Soundings in fathoms ~~XXX~~ XXX Fathoms

Plane of reference MLW

Subdivision of wire dragged areas by

Inked by A. R. STIRNI

Verified by A. R. STIRNI

Instructions dated Instructions were verbal., 19

Orders dated Aug. 16, 1943, issued by Casper M. Durgin, Lt. Comdr., C. & G.S. Liaison Officer

Remarks:

Smooth Sheet and Plotting by the Seattle Processing Office.

NOTES FOR DESCRIPTIVE REPORT TO ACCOMPANY HYDROGRAPHIC SURVEYS,

FIELD NOS. 121-43
122-43
123-43

INSTRUCTIONS

This work was executed under orders dated August 16, 1943, issued by Casper M. Durgin, Lieut. Comdr., C.&G.S., Liaison Officer. The instructions were verbal.

SURVEY METHODS

Standard visual fix hydrography was used throughout. Soundings were taken by Portable Depth Recorders, Type 808A and the Dorsey III fathometer. Fathometer corrections are covered in a special report. A copy of the final fathometer corrections are included in this report. *No copy found.*

CONTROL

Peaks and other natural objects, located either by previous triangulation or by sextant cuts, were used for hydrographic control.

LIMITS

This work comprises a survey of the steamer track extending from the Shumagin Islands to the western approaches of Shelikof Strait. The hydrography is approximately five miles in width.

DANGERS

No dangers or shoal indications were found. Some hydrography was done in the vicinity of the reported rock (Coast Pilot, Alaska, Part II), three miles, 180° true from Foggy Cape. Due to lack of available time, development of this area was not complete.

on H-6925 (1943)

ACCURACY

The instructions specified that this work be of a reconnaissance nature. From Lat. 56° - 41'; Long. 156° - 39', a Dead Reckoning reconnaissance loop was run to a junction with the soundings on Chart No. 8556. With the exception of additional development and closer spacing of lines, the work completed is of standard accuracy.

shown on H-6925 (1943)

(2)

STATISTICS

	Statute Miles	No. Positions	Square St. Miles
Sheet 121	263.6	176	298
" 122	454.5	335	356
" 123	300.5	235	123

L. C. Wilder
(Signed) L. C. WILDER
Commanding, Ship SURVEYOR.

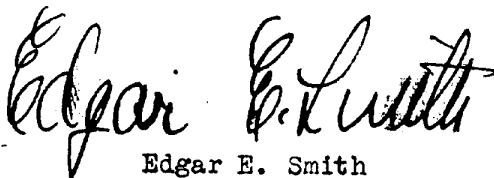
Field No. 12143

Shumagin Is. to Mitrofanina Id.

Seattle Processing Office Notes

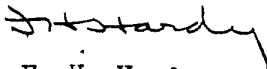
The shoreline on the boat sheet is enlarged from the chart. No new shoreline was run. All of the shoreline was omitted from the smooth sheet.

The crossings are good.



Edgar E. Smith
Assoc. Cartographic Engineer
Seattle Processing Office

Approved and Forwarded:



F. H. Hardy
Officer in Charge,
Seattle Processing Office.

Field No. 12143

Alaska Peninsula, Shumagin Is.
to Mitrofanía Id.

TIDAL NOTE

The tide gage at Sand Point was used for the reduction of all soundings.

The plane of mean lower low water corresponds to a reading of 3.7 feet on the tide staff.

Highest Tide - 11.2 feet on September 16, 1943.

Lowest Tide - 3.4 feet on September 16, 1943.

Sand Point tides were used without time correction and without height correction.

Authority: Director's Letter, 367mlh, dated October 22, 1943.

Latitude 55° 22'
Longitude 160 30.

rac
RAC

TIDE NOTE FOR HYDROGRAPHIC SHEET

February 3, 1944

~~Division of Hydrography and Topography:~~

✓ Division of Charts: Attention: H. R. EDMONSTON

Plane of reference approved in
1 volume of sounding records for

HYDROGRAPHIC SHEET 6880

Locality Shumagin Islands to Mitrofanian I., South Side Alaska Peninsula

Chief of Party: L. E. Wilder in 1943
Plane of reference is mean lower low water reading
3.7 ft. on tide staff at Sand Point
8.4 ft. below B. M. 3

Height of mean high water above plane of reference is 6.3 feet.

Condition of records satisfactory except as noted below:



Chief, Division of Tides and Currents.

GEQGRAPHIC NAMES

Survey No. **H6880**

Name on Survey	Source										
	A	B	C	D	E	F	G	H	K		
	On Chart No.	On previous survey No.	On U. S. quadrangle Maps	From local information	On local Maps	P. O. Guide or Map	Rand McNally Atlas	U. S. Light List			
<u>ALASKA</u> ✓											1
South S. Alaska Peninsula											2
<u>Shumagin Islands</u> ✓											3
<u>Mitrofanis Island</u> ✓											4
											5
											6
											7
											8
											9
											10
<u>Sand Point</u>											11
											12
											13
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											27

Names underlined in red approved by L. Heck on 5/23/44

Remarks

Decisions

	Remarks	Decisions
1		
2	For title only	O.S.B.B
3	" "	"
4	" "	"
5		
6		
7		
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11	location of tide staff	
12		
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Surveys Section (Chart Division)

HYDROGRAPHIC SURVEY NO. **H6880**

Records accompanying survey:

Boat sheets ¹....; sounding vols. ¹....; wire drag vols.;
 bomb vols.; graphic recorder rolls ¹....;
 special reports, etc. ¹ title sheet, ¹ tidal note

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

Number of positions on sheet	.176.
Number of positions checked	.24.
Number of positions revised	.1.
Number of soundings recorded	.1800. (Estimate)
Number of soundings revised (refers to depth only)
Number of soundings erroneously spaced
Number of signals erroneously plotted or transferred
Topographic details	Time
Junctions	Time
Verification of soundings from graphic record	Time ..2..

Verification by *A.P. STIRNI* Total time *16* Date *Apr. 15, 1944*

Review by *R.H. Carstens* Time *6* Date *April 17, 1944*

MEMORANDUM

IMMEDIATE ATTENTION

SURVEY
DESCRIPTIVE REPORT
PHOTOSTAT OF

} No. H **H6880**
No. T

{ received January 10, 1944
registered January 19, 1944
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			
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83			
88			
90			

RETURN TO

82	Comdr. R. W. Knox
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V. Peak

DIVISION OF CHARTS

REVIEW SECTION - SURVEYS BRANCH

REVIEW OF HYDROGRAPHIC SURVEY

REGISTRY NO. 6880

Field No. 12143

Alaska, South of Alaska Peninsula,
Shumagin Island to Mitrofanina Island
Surveyed in September 1943, Scale 1:120,000
Verbal Instructions of August 16, 1943

Soundings:

808 Fathometer
Dorsey Fathometer

Control:

Three-point fix on shore signals

Chief of Party - L. C. Wilder
Surveyed by - L. S. Hubbard, W. F. Malnate
Protracted by - H. C. Parsons
Soundings plotted by - H. C. Parsons
Verified and inked by - A. R. Stirni
Reviewed by - R. H. Carstens
Inspected by - H. R. Edmonston, May 22, 1944

1. Shoreline and Signals

No shoreline is shown on this offshore survey. The signals originate with triangulation of 1914-1920 and with sextant fixes recorded in the sounding volumes.

2. Sounding Line Crossings

Satisfactory.

3. Submarine Relief

No distinctive features of submarine relief were revealed by the present survey. The depth curves were satisfactorily drawn.

4. Junctions with Contemporary Surveys

A satisfactory junction was made with H-6929 (1943) on the east. No contemporary surveys join the present survey on the remaining sides.

5. Comparison with Prior Surveys

H-3976 (1915) 1:100,000

This survey overlaps the present survey to the westward of longitude 159°00'. Agreement is good except in depths of about 90 fathoms where the prior tube and machine soundings are in places about 5 fathoms greater than present depths. The few lines of the present survey within the common area should be used to supplement this prior survey.

6. Comparison with Chart 8859 (latest print date 6-23-43)
Chart 8802 (latest print date 11-10-43)

a. Hydrography

The charted hydrography within the limits of the present survey originates with the previously mentioned survey and with old track line soundings which need no further consideration.

b. Aids to Navigation

No charted aids to navigation are shown on the present survey.

7. Condition of Survey

Satisfactory.

8. Compliance with Instructions for the Project

Verbal instructions were issued for this survey.

9. Additional Field Work Recommended


Numerous split lines are needed in order to bring this survey up to the Coast Survey standard for a basic survey.

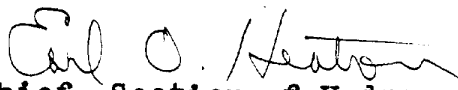
10. Superseded Surveys

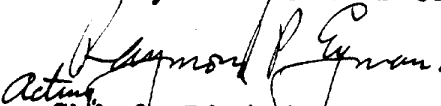
None.


Chief, Surveys Branch

Examined and approved:


Chief, Division of Charts


Chief, Section of Hydrography


Acting Chief, Division of Coastal Surveys

Applied to chart 8859 ^(verified) _(revised) 8/28/44 Q
" " " 8502 9/9/44 J.M.A.
" " " FPO2 March 1945 N.E.M.
Applied to chart 16556 4-2-75 BWH
(superceeded by larger scale surveys)