

6920

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Form 504

U. S. COAST AND GEODETIC SURVEY
DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey Hydrographic
Field No. 1143 Office No. H-6920

LOCALITY

State Alaska
General locality Aleutian Islands
Locality Andreanof Is. - Kagalaska I.
Cabin Cove - ^{Upper} W. arm

1943

CHIEF OF PARTY

L. G. Wilder
~~SURVEYOR~~

LIBRARY & ARCHIVES

DATE

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.

Field No. 1145

REGISTER NO. H-6920

State Alaska

General locality Andreanof Is. - Kagalaska Island

Locality North arm of Cabin Cove

Scale 1:10,000 Date of survey October 12, 1948

Vessel SURVEYOR

Chief of Party L. C. Wilder

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

Protracted by Betty B. Jones

Soundings penciled by Betty B. Jones

Soundings in fathoms ~~XXXX~~ XXXX Fathoms

Plane of reference MLLW

Subdivision of wire dragged areas by _____

Inked by Harold W. Murray

Verified by Harold W. Murray

Instructions dated Verbal, 1948

Remarks: Verbal instructions issued by Casper M. Durgin,
Lieut. Comdr., C. & G.S., Liaison Officer.

Smooth Sheet and Plotting by the Seattle Processing Office.

NOTES FOR DESCRIPTIVE REPORT

To Accompany

HYDROGRAPHIC SURVEY, FIELD NO. 1143 H-6920

^{Upper}
~~NORTH~~ ARM OF CABIN COVE
KAGALASKA ISLAND

SHIP SURVEYOR

L. C. WILDER, COMDG.

INSTRUCTIONS

This survey was requested by the Harbormaster at Adak, Alaska and executed under verbal instructions issued by Casper M. Durgin, Lieut. Comdr., C. & G. S., Liaison Officer.

CONTROL

Signals were located and oriented on a standard aluminum topographic sheet, (Field No. ^{T 6935 (1943)} M-43), using a combination of graphic triangulation and traverse.

Since no triangulation control was available the survey was oriented in the following manner: A set-up was made near signal FIRE. From this point, planetable cuts were taken on objects charted on H. O. Chart No. 5631. The cuts were then transferred to tracing paper and the position of the set-up plotted on the chart. The azimuths to the various objects were scaled from the chart and used to orient the survey. A declinoire observation taken at the time checked reasonably close.

Signals JUDY, JANE, SPIT and UP were built over the remains of old Navy signals. No station markers were found. A further check

on the orientation may be possible, provided the positions of the Navy signals can be obtained.

SURVEY METHODS

The hydrography was done by the ship's launches, using visual fix control. All soundings were taken by Portable Depth Recorders, type 808A.

FATHOMETER CORRECTIONS

The survey was completed in one day and temperature and salinity observations were not made. Fathometer corrections as determined on Project CS-218 (Atka I.) were entered in the sounding records.

TIDE REDUCERS

Predicted tides were used to reduce the boat sheet soundings. At this writing, final tides are not available and have not been entered in the sounding records.

STATISTICS

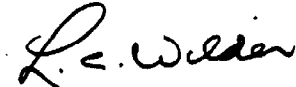
37.2	Statue miles
262	Positions
1.5	Square statue miles

REMARKS

This survey was made while the SURVEYOR was waiting for an escort to Attu. The survey was completed in one day and a tracing of the boat sheet furnished the Harbormaster at Adak. It was intended

3.

that the work be reconnaissance. With the probable exception of additional development the completed work is of standard accuracy.



L. C. WILDER
Commanding Officer
U.S.C. & G.S.S. SURVEYOR

Seattle Processing Office Notes

Discrepancies-

	<u>Position</u>	<u>Depth</u> <u>fath.</u>	<u>Remarks</u>
150 M. southwest of FLAME	5-6a (r) 67a (b)	15 15	Steep slope
170 M. south of FLAME	7a (r) 57-58a (b)	22 26-28	
South of RED-SPIF	53-54a		Shoaler than cross lines.

Omitted conflicting Sigs

Statistics-

Statute Miles Sounding Line	37.2
Number of Soundings	1502
Number of Positions	262
Area - Square Stat. Miles	1.3

Edgar E. Smith

Edgar E. Smith
Assoc. Cartographic Engineer
Seattle Processing Office.

Approved and Forwarded:

F. H. Hardy

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

H-6920

Field No. 1143

Tidal Note

Upper
Cabin Cove, North Arm - Kagalaska Island - Aleutian Islands.

Sweeper Cove Tide Gage-

Latitude 51° 51.11

Longitude 176 37.47

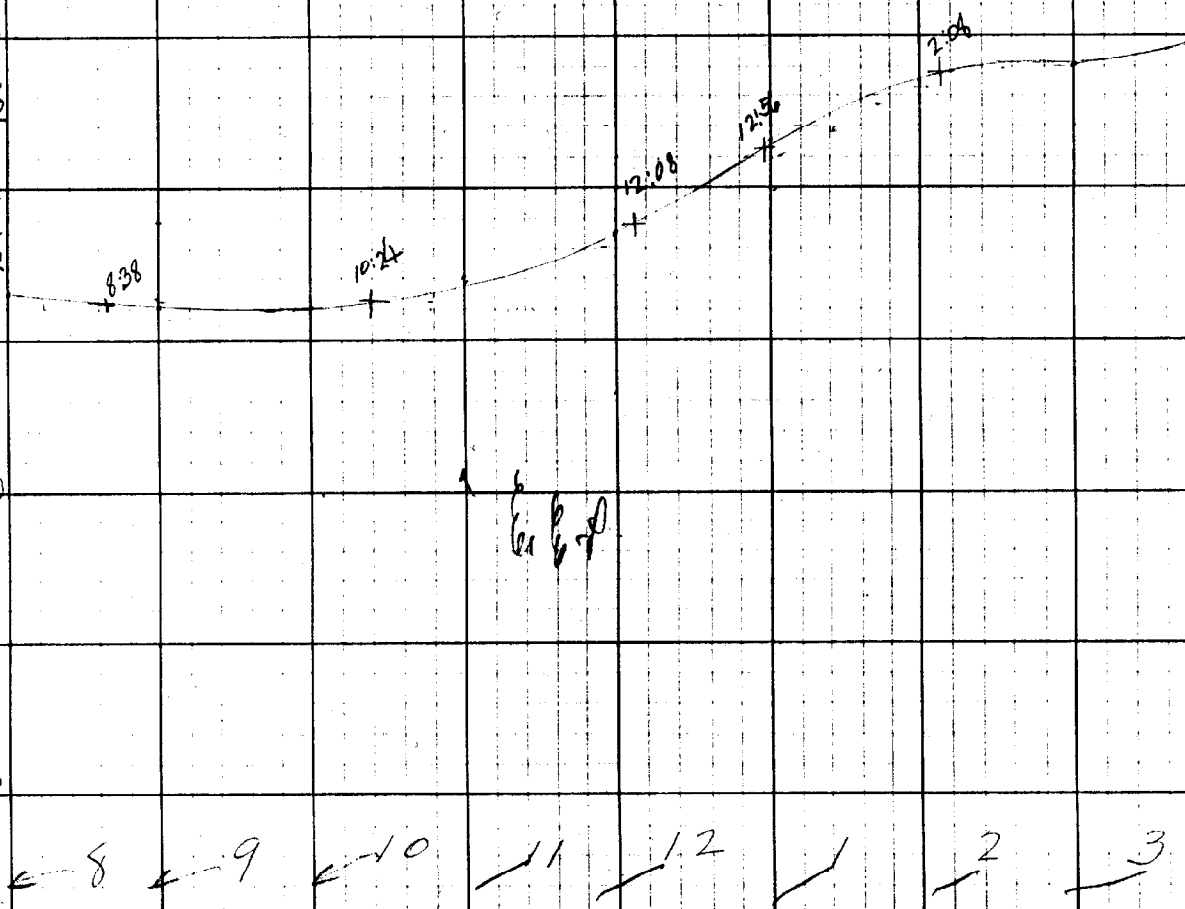
Hourly heights based on MLLW were furnished by the Washington Office.
See Director's Letter, 36-mlh, of June 20, 1944.

Sweepers Cove tides
 for use on Carlin Cove Soundings.
 October 19 1943

Per Directors letter 36 min of
 6/20/44

8 9 10 11 12 1 2 3

3
 2 1/2
 2
 1 1/2
 1
 0
 -1
 -2



GEOGRAPHIC NAMES

Survey No. **H6920**

Name on Survey	Source of Name										
	A	B	C	D	E	F	G	H	K		
<u>Kagalaska I.</u>			(U.S. & B)			515	760				1
<u>Cabin Cove</u>			"			"					2
<u>Upper Arm</u>			"			"					3
<u>Little Tanaga Strait</u>			"			"					4
											5
											6
											7
											8
											9
<u>Sweeper Cove</u>			(location of tide staff) (U.S. & B)								10
											11
											12
											13
											14
											15
											16
											17
											18
											19
											20
											21
											22
											23
											24
											25
											26
											27

Names underlined in red approved
by L. Heck on 8/9/44

Surveys Section (Chart Division)

HYDROGRAPHIC SURVEY NO. **H6920**

Records accompanying survey:

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

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

Number of positions on sheet		<i>262</i>	
Number of positions checked		<i>9</i>	
Number of positions revised		<i>2</i>	
Number of soundings recorded		<i>1502</i>	
Number of soundings revised (refers to depth only)		<i>2</i>	
Number of soundings erroneously spaced		<i>20</i>	
Number of signals erroneously plotted or transferred		<i>✓</i>	
Topographic details	Time	<i>1</i>	<i>hrs.</i>
Junctions	Time	<i>0</i>	
Verification of soundings from graphic record	Time	<i>1</i>	<i>"</i>
Verification by <i>Harold W. Murray</i>	Total time	<i>6</i>	<i>hrs. Date 8-5-44</i>
Review by <i>Harold W. Murray</i>	Time	<i>2</i>	<i>" Date 8-5-44.</i>

MEMORANDUM

IMMEDIATE ATTENTION

SURVEY
DESCRIPTIVE REPORT
PHOTOSTAT OF

}

No. H

H6920

No. T

{ received
registered
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			
25			
26			
30			
40			
62			
63			
82			
83			
88			
90			

RETURN TO

82	
----	--

V. R. ...

Rac
All

TIDE NOTE FOR HYDROGRAPHIC SHEET

~~Division of Hydrography and Topography:~~

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

Plane of reference approved in
2 volumes of sounding records for

HYDROGRAPHIC SHEET 6920

Locality ~~Andreanof Islands,~~ ^{upper} Kagalaska Island: ~~North~~ Arm of Cabin Cove

Chief of Party: L. C. Wilder in 1943
Plane of reference is mean lower low water reading
3.0 ft. on tide staff at Sweeper Cove
7.0 ft. below B. M. 1

Height of mean high water above plane of reference is 3.4 feet.

Condition of records satisfactory except as noted below:

C K Green

Chief, Division of Tides and Currents.

DIVISION OF CHARTS

REVIEW SECTION - SURVEYS BRANCH

REVIEW OF HYDROGRAPHIC SURVEY

REGISTRY NO. 6920

Field No. 11

Alaska, Andreanof Island, Kagalaska Island,
Upper Arm of Cabin Cove
Surveyed October 12, 1943; Scale 1:10,000
Verbal Instructions

Soundings:

808 Fathometer

Control:

Three-point fix on shore signals

Chief of Party - L. C. Wilder
Surveyed by - L. S. Hubbard and W. F. Malnate
Protracted by - B. B. Jones
Soundings plotted by - B. B. Jones
Verified and inked by - Harold W. Murray
Reviewed by - Harold W. Murray
Inspected by - H. R. Edmonston, August 5, 1944

1. Shoreline and Signals

The shoreline and signals originate with T-6935 (1943).

2. Sounding Line Crossings

Satisfactory.

3. Depth Curves and Submarine Relief

The usual depth curves may be satisfactorily drawn.

4. Junctions with Adjacent Surveys

No contemporary work of this Bureau adjoins the present survey.

5. Comparison with Prior Surveys

No prior surveys have been made in this area by this Bureau.

The registered survey No. H-6893 (1934) is a reconnaissance by the U. S. Navy. The development is meager, consisting of approximately 170 soundings

obtained on six sounding lines run in a general East-West direction. The larger scale present survey development consisting of about 1,500 soundings covers this area in considerably greater detail and is adequate to supersede the above reconnaissance work.

6. Comparison with Chart 9141 (Latest print dated 4-13-44)

Charted hydrography originates with BP. 37696 (1943) which is an advance charting of the boat sheet of the present survey. These soundings should be superseded by the present survey. The bottom characteristics, however, may be retained wherever necessary since some of these originate with U. S. Navy sources (H-6893 of 1934).

7. Condition of Survey

The projection shown in pencil on the smooth sheet is approximate. It was constructed graphically from recovered remains of old U. S. Navy signals which were originally established for use on H-6893 (1934).

8. Compliance with Project Instructions

Satisfactory.

9. Additional Field Work Recommended


The descriptive report, pages 2 and 3, states that "it was intended that this work be reconnaissance." The work accomplished, however, is of standard survey accuracy.

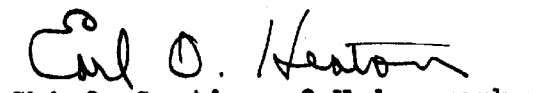
10. Superseded Surveys

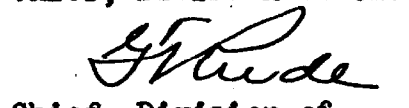
H-6893 (1934) in part (U. S. Navy survey)

Examined and approved:


Chief, Surveys Branch


Chief, Division of Charts


Chief, Section of Hydrography


Chief, Division of
Coastal Surveys

Compared with chart 9141. No correction necessary. Z.M.A. 10-6-44