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Form 504
Ed. June, 1928

DEPARTMENT OF COMMERCE

U. S. COAST AND GEODETIC SURVEY

L. O. Colbert *Director*

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PURSUANT TO DOC SYSTEMATIC REVIEW
GUIDELINES AS DESCRIBED IN SECTION
3.3(a), EXECUTIVE ORDER 12356.

Aleutian Islands
State: ~~ALASKA~~

DESCRIPTIVE REPORT

Topographic } Sheet No. 1237 (Field No.)
Hydrographic }

LOCALITY

~~Chernofski Harbor,~~

~~Unalaska Island,~~

~~Aleutian Islands.~~ ✓

~~1939~~
1937-38

CHIEF OF PARTY

A. M. SOBIERALSKI, H.&G.E.

U.S. Coast & Geodetic Survey

6414

8802

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DEPARTMENT OF COMMERCE
GUIDELINES AS DESCRIBED IN SECTION
COAST AND GEODETIC SURVEY
3.3(a), EXECUTIVE ORDER 12756.

REG. NO.

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. 1237

REGISTER NO. H-6414

State ~~ALASKA~~ Aleutian Islands

General locality UNALASKA ISLAND

Locality Chernofski Harbor

Scale 1:10,000 Date of survey Sept. 11 to 15, 1937
July 7, 1938
1937 - 1938, 19

Vessel U.S.C.&G.S.S. SURVEYOR

Chief of Party A. M. Sobieralski

Surveyed by W. E. Malnate, J. Bowie, J. D. Thurmond

Protracted by F. A. Riddell

Soundings penciled by F. A. Riddell

Soundings in fathoms feet

Plane of reference M.L.L.W.

Subdivision of wire dragged areas by _____

Inked by Wallace A. Bruder

Verified by Wallace A. Bruder

Instructions dated April 13, 1934, 19

Remarks: _____

DESCRIPTIVE REPORT

TO ACCOMPANY

HYDROGRAPHIC SURVEY No. 1237 (H-6414)

CHERNOFSKI HARBOR

Scale 1 : 10,000

U.S.C.&G.S.S. SURVEYOR, A. M. Sobieralski, Com'd'g.

Instructions dated April 13, 1934

Project No. HT 176

LIMITS:

This survey covers Chernofski Harbor from the entrance between East Point and West Point to and including the inner bay. ✓

SURVEY METHODS:

The work was done by the Launch Wildcat and by the Ship's launches. It was controlled by three point fixes on objects located by triangulation or by plane table. All soundings were obtained either by wire or by hand lead. ✓

This survey was made at odd times when the weather was such that work could not be accomplished on the outside coast and when the ship was anchored here for protection. Thus, while the area was quite well protected from the sea, most of the work was done in a strong breeze resulting in irregular spacing of the lines and in unequal intervals between fixes. The survey cannot be considered complete and it is proposed to run many additional splits as indicated on the boat sheet and develop the channels and anchorages when such work can be accomplished without impeding progress on the main project. ✓

ADDITIONAL WORK:

The foul area around West Point should be investigated and this can be done only in a comparatively calm sea as it is heavily overgrown with kelp and there are numerous sunken rocks. ✓

The 11 fathom spot in Lat. $53^{\circ} - 24'17''$, Long. $167^{\circ} 33'9''$ should be developed. ✓

No additional work is considered necessary in West Bight. ✓

Additional splits should be run inshore between Δ CURB and Δ SPIT. This area is very important as ships tend to swing close to this shore in making the anchorage in East Cove. ✓

Work in the inner bay is not complete and additional lines and splits as indicated on the boat sheet will be run. The bottom in this area is comparatively regular and no spots requiring development have been noted. Sounding lines cannot be carried inshore in the extreme southwest end of the bay as there is a shoal mud bank which extends some hundred to one hundred and fifty meters offshore.

Before this additional work can be accomplished the tide staff will have to be replaced and many of the topographic signals renewed and some relocated. A severe NW storm during the winter of 1937-38 destroyed the former staff which had remained secure for the two years previous to 1938.

JUNCTIONS:

This sheet joins hydrographic sheet (field number) U 2336 at the entrance to Chernofski Harbor. While there are no discrepancies at the junction it is proposed to make a greater overlap between the two sheets. Also the area around West Point has not been developed sufficiently on either sheet and additional lines will be run here.

H-6255

COMPARISON WITH CHART # 9196:

The data from which this chart was compiled was from a reconnaissance survey and while the general features correspond with those located on the present survey, the delineation of the shore line varies considerably. This variation is especially noticeable in the inner bay and thus no detailed comparison can be made. The line of soundings through the entrance checks very well with those obtained on this survey. No rocks or dangers in the channels or in the anchorages are shown on the chart which have not been verified or developed. In general, this survey indicates that shoal areas do not extend as far off shore as is shown on the chart.

See par. 6a.
review.

The village of Chernofski has been abandoned and the Church should be deleted from the chart as it no longer exists.

DEPTH CURVES:

The usual depth curves were drawn on the smooth sheet. They are fairly regular and indicate that there are no discrepancies between the soundings taken by the various launches.

ANCHORAGES:

Chernofski Harbor is an excellent small harbor in that protection can be had from storms of any direction.

In southerly weather vessels anchor either in West Bight or in the inner bay south of Middle Spit. The mail boat which brings supplies to the sheep ranch generally anchors in West Bight. The bottom in the inner bay is a thin layer of soft mud which is not very good holding bottom. Small craft however can get better protection here from the wind as well as the sea.

In northerly weather vessels anchor in East Cove. Caution must be taken in rounding Cove Point to make this anchorage as the turn is sharp and the stern tends to swing too close to the shoal area along the south shore.

COAST PILOT NOTES:

Coast Pilot Notes covering this area have been submitted.

Respectfully Submitted



FRED A. RIDDELL, Jr. H.&G.E.
U.S. Coast & Geodetic Survey
Str. SURVEYOR

Approved:



A. M. SOBIERALSKI, H.&G.E.
U. S. Coast & Geodetic Survey

Forwarded:



RAY L. SCHOPPE, H.&G.E.
Commanding Officer
U.S.C.&G.S.S. SURVEYOR

APPROVAL SHEET

to accompany

HYDROGRAPHIC SHEET FIELD No. 1237 (H-6414)

This sheet and the records have been examined and are approved. ✓

A. M. Sobieralski

A. M. SOBIERALSKI, H.&G.E.
U.S. Coast & Geodetic Survey

STATISTICS

to accompany

HYDROGRAPHIC SHEET FIELD No. 1237 (H-6414)

<u>Date</u>	<u>Day</u>	<u>Vol.</u>	<u>No. Pos.</u>	<u>No. Sndgs.</u>	<u>Statute Miles.</u>
<u>WILDCAT</u> (red)					
9/11/37	a	1	150	340	12.6
9/12/37	b	1	123	343	11.1
9/13/37	c	1	95	224	9.7
9/14/37	d	1	45	100	2.8
<u>LAUNCH No. 3</u> (blue)					
9/15/37	a	1	91	292	11.0
<u>MOTOR SAILOR</u> (blue)					
7/7/38	b	1	76	200	6.6
			<u>580</u>	<u>1499</u>	

Area in Square Statute Miles = 4.5

LIST OF SIGNALS

to accompany

HYDROGRAPHIC SHEET FIELD No. 1237 (H-6414)

TRIANGULATION LOCATIONS

CHURN	1935	LIGHT on <u>SPIT</u>	1935
CURB	1935	NOFF	1935
ENTRANCE <u>LIGHT</u>	1936	ONE	1935
E.Gab.Ige <u>gry.BARN</u>	1936	RUE	1935
LAMB	1935	TO	1935

TOPOGRAPHIC LOCATIONS

For lists see Descriptive Reports of topographic sheets
CH-37, CI-37, and CJ-37.

L.A.C.

TIDE NOTE FOR HYDROGRAPHIC SHEET

February 14, 1939.

Division of Hydrography and Topography:

✓ Division of Charts: Attention: Mr. E. P. Ellis.

Plane of reference

~~Tide Reductions~~ approved in
3 volumes of sounding records for

HYDROGRAPHIC SHEET 6414

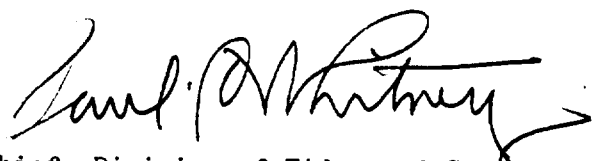
Locality Chernofski Harbor, Unalaska I, Aleutian Islands

Chief of Party: A. M. Sobieralski in 1937-1938
Plane of reference is mean lower low water reading
3.3 ft. on tide staff at Chernofski Harbor
8.8 ft. below B.M. 1

For the 1938 work observations at Dutch Harbor with time and height differences applied were used.

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

Condition of records satisfactory except as noted below:



Chief, Division of Tides and Currents.

GEOGRAPHIC NAMES

Survey No. **H6414**

Name on Survey	<div style="display: flex; justify-content: space-between; font-size: small;"> On Chart No. 820 On previous survey No. <u>Chert 919</u> On U. S. Quadrangle Maps From local information Bekers Dict. or local Maps P. O. Guide or Map Rand McNally Atlas U. S. Light List </div>										
	A	B	C	D	E	F	G	H	K	USCP	
✓ Unalaska Island	✓	✓			✓				✓	1	
✓ Chernofski	✓	✓			✓				✓	2	
✓ " Harbor	✓	✓			✓				✓	3	
<u>chernofski</u> ✓ East Pt.		✓			✓	OK.			✓	4	
✓ West Pt.		✓			✓				✓	5	
Observatory <u>Cove</u> Pt.										6	
Mailboat West <u>Cove</u> Right						OK				7	
Mutton East <u>Cove</u>						OK.				8	
Middle spit										9	
Cutter Pt						OK				10	
										11	
										12	
										13	
										14	
										15	
										16	
										17	
Names underlined in red approved										18	
by L. Heck on 2/13/39										19	
										20	
										21	
										22	
										23	
										24	
										25	
										26	
										27	

Remarks

Decisions

	Remarks	Decisions
1		U.S. G. B. 530675
2	Village abandoned (see USCP)	"
3		"
4	Referred to USGB 5/26/39	"
5		"
6	Observatory Pt. referred to D.G.N. 7-27-38	USGB decision May, 1939
7	Referred to USGB 5/26/39	"
8	" "	"
9		"
10	" "	see GNS in name
11		
12		
13		
14		
15		
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17		
18		
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26		
27		

Field Records Section (Charts)

HYDROGRAPHIC SHEET NO. **H6414**

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

Number of positions on sheet	.....	<i>580</i>
Number of positions checked	.....	<i>16</i>
Number of positions revised	.....	<i>1</i>
Number of soundings recorded	.....	<i>1499</i>
Number of soundings revised	.....	<i>0</i>
Number of signals erroneously plotted or transferred	.....	<i>0</i>
No Sndgs erroneously spaced	- -	<i>?</i>

Date:

Verification by *Wallace A. Bruder 2/27/39* Time: *18 h 0m*

Review by *J.A.M^c Cormick, March 7, 1939.* Time: *9 hrs.*

HYDROGRAPHIC SURVEY NO. H-6414

Smooth Sheet Yes

Boat Sheet Yes

Records; Sounding 3 Vols., Wire Drag Vols., Bomb Vols.

Descriptive Report Yes

Title Sheet Yes

List of Signals Des. Report Pg.7

Landmarks for Charts (Form 567) Yes

Statistics Yes

Approved by Chief of Party Yes

Recoverable Station Cards (Form 524) None

Special Chart for Lighthouse Service None
(Circular Nov.30, 1933)

Hydrography: Total Days 6 ; Last Date July 7, 1938

Remarks _____

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 GUIDELINES AS DESCRIBED IN SECTION
 3.3(a) EXECUTIVE ORDER 12958
 CARVEY

MEMORANDUM

IMMEDIATE ATTENTION

DESCRIPTIVE REPORT
 PHOTOSTAT OF

No. H-6414

~~No. 1~~

received Jan. 27, 1939
 registered Feb. 9, 1939
 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	T. B. Reed
----	------------

r JBA

- ① The records conform very well to the requirements of the General Instructions.
- ② Whenever possible the depth curves were completely drawn. As per descriptive report, page 1, this survey cannot be considered complete, and it is proposed to run many additional splits as indicated on the boat sheet.
- ③ The field plotting was complete to the extent prescribed in the Hydro. Manual.
- ④ The office draftsman did not have to do over any part of drafting done by field.
- ⑤ There is only one contemporary adjacent sheet. This junction (H-6255 1936, 37) has been made by the verifier with proportional dividers and is satisfactory. This joins on the northwest part of sheet. (Diagram # 8802 #2)
- ⑥ Remarks.
 $\phi 53^{\circ} 25.1'$
 $\lambda 167^{\circ} 33.2'$ } Rock awash at $4\frac{5}{6}$ sounding was taken from H-6255, and plotted on H-6414.

Over 100 soundings were changed in order to make them agree with the standard methods prescribed in the Hydrographic Manual. These were all due to paragraph 152, page 18 of the Manual, namely:
 "Soundings in the Pacific Ocean shall be plotted in fathoms and sixths of a fathom to a depth of $6\frac{5}{6}$ fathoms; in fathoms and quarter fathoms from 7 to 11 fathoms (disregarding fractions of feet in the reduced sounding column and plotting $\frac{3}{6}$ and $\frac{2}{7}$ fathom ^(as) $\frac{1}{2}$ fathom."
 Note d in review.

As per T-4937 descriptive report, pg. 1, the topography for Chernofski Harbor is planned to be done by reduction of that area from photographs taken by the Navy Department previously. To date this has not been done. See par. 1, review.

It is recommended by the verifier that position 61a (blue)
 $\phi 53^{\circ} 24.2'$
 $\lambda 167^{\circ} 33.5'$ be rejected along with the soundings between
 60a and 61a. Position 60a is all right.

The reason for this recommendation is that position 61a is
 on an almost perfect "swinger"; the sounding line is between
 the foul area line and the high water line; no course for the
 line is shown in the sounding records; and the boat
 sheet shows the position 90 meters east of the fix as
 attained by the "swinger" fix. Probable signal and
 angle revisions were tried with the conclusion that
 it be best to reject the fix and line. Inside the foul
area. Rejected.
J.A.M.

Respectfully submitted,

Wallace A. Bruder

Feb. 27, 1939

~~$\phi 53^{\circ} 24.7'$
 $\lambda 167^{\circ} 33.9'$ } Further development of this 11 fathoms is recommended
 for shoaler water (possibly).~~

~~↑ noted in descriptive report ↑ W.A.B. 2/27/39.~~

Section of Field Records

REVIEW OF HYDROGRAPHIC SURVEY NO. 6414(1937-38) FIELD NO. 1237

Chernofski Harbor, Unalaska Island, Aleutian Islands.
Surveyed in Sept., 1937; July, 1938., Scale 1-10,000.
Instructions dated April 13, 1934 (SURVEYOR).

Hand Lead and Machine Soundings. 3 Point fixes on shore signals.

Chief of Party - A. M. Sobieralski.
Surveyed by - W. F. Malnate, J. Bowie, J. D. Thurmond.
Protracted by - F. A. Riddell.
Soundings plotted by - F. A. Riddell.
Verified and inked by W. A. Bruder.

1. Shoreline and Signals.

- a. Topographic signals originate with control surveys CS 136 M (1937), CS 137M (1937) and CS 138 M (1937).
- b. Shoreline originates with topographic maps T-5406 (1934) and T- 5730 (1934).

2. Junctions with Contemporary Surveys.

There are no discrepancies where the present survey joins H-6255 (1936-37) on the north. However, additional development is desirable in this area.

3. Sounding Line Crossings.

Adjacent soundings on parallel lines show good agreement. Depths at the extremely few crossings which result from the work are also in good agreement.

4. Depth Curves.

The survey is not complete and there are necessarily areas, particularly in the inner harbor, where the depth curves must be generalized.

5. Comparison with Brior Surveys.

This Bureau has made no previous surveys, in Chernofski Harbor.

6. Comparison with Chart 9196 (New Print dated Feb. 3, 1938).

a. Hydrography.

Charted information originates principally with Coast Guard reconnaissance surveys (Chart Letters 559 of 1925 and 366 of 1929; B. P. 22655 of 1929).

Charted depths are in fair agreement with those on the survey. There are differences in rock details particularly in lat. $53^{\circ}24.6'$, long. $167^{\circ}32.6'$ where the chart shows a group of sunken rocks described in Chart Letter 366 of 1929 as "a rocky ledge extending about 400 yards in a westerly direction.....marked by kelp and can be seen when entering the harbor." The present survey shows a foul area line approximately 100 meters from high water line but nothing so pronounced as the charted feature. The present survey is probably correct because there are also differences in shoreline, but these and other charted rocks which extend outside those on the present survey should be retained until the recommended additional work is received. These rocks have been added to the boat sheets for examination by the field party when the additional work is executed.

b. Aids to Navigation.

Charted positions of fixed aids in this area are in substantial agreement with the positions on the present survey.

7. Condition of Survey.

- a. The sounding records are neat and legible.
- b. The description report satisfactorily covers all items of importance.
- c. Soundings between 7 and 11 fathoms were penciled in sixths rather than in quarters and halves as specified in par. 152, page 18 of the Hydrographic Manual. The field plotting was otherwise satisfactory.

8. Compliance with Instructions for the Project.

See par. 9, this review, regarding completion of survey.

9. Additional Field Work Recommended.

Split lines necessary to complete the survey have been indicated on the boat sheets which are being returned to the field. In addition, the field party should re-inspect all areas in which rocks are now charted and make certain that rock detail on the present survey is complete (see par. 6, this review).

10. Superseded Old Surveys.

None.

11. Reviewed by - J. A. Mc Cormick, March 7, 1939.

Inspected by - E. P. Ellis

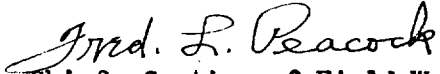
Examined and approved:



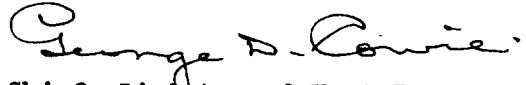
T. B. Reed
Chief, Section of Field Records



Chief, Division of Charts



Chief, Section of Field Work



Chief, Division of H. & T.

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GUIDELINES AS DESCRIBED IN SECTION
3.3(a), EXECUTIVE ORDER 12356.**

Additional Work 1499

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GUIDELINES AS DESCRIBED IN SECTION
3.3(a), EXECUTIVE ORDER 12356.

Additional Work 1939

Form 504
Rev. April 1935
DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT

Топографическая } Sheet No. 1237
Гидрографическая } Register No. H-6414

U. S. COAST AND GEODETIC SURVEY
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 H6414
 Acc. No. _____

State Alaska

LOCALITY

Aleutian Islands

Chernofski Harbor

(Additional Work)

1939

CHIEF OF PARTY

Ray L. Schoppe

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. 1237 **H6414** (*Add. Wk. 1939*)

REGISTER NO. H-6414

State Alaska *Aleutian Islands*

General locality Aleutian Islands ~~Unalaska Island~~

Locality Chernofski Harbor

Scale 1:10,000 Date of survey August & Sept., 1939

Vessel U.S.C. & G.S.S. SURVEYOR

Chief of Party Ray L. Schoppe

Surveyed by J. D. Thurmond & D. E. Sturmer

Protracted by J. W. Vonasek

Soundings penciled by J. W. Vonasek

Soundings in fathoms ~~feet~~

Plane of reference M.L.L.W.

Subdivision of wire dragged areas by _____

Inked by G. B. Littlepage

Verified by Do.

Instructions dated April 13, 1934, 19____

Remarks: _____

DESCRIPTIVE REPORT

to accompany

Additional Work on
Field Sheet No. 1237

Register No. H-6414

U.S.C. & G.S.S. SURVEYOR ~~and~~ Launches

Ray L. Schoppe, H. & G. Engr., Comdg.

Project HT - 176

Chernofski Harbor,

Aleutian Islands, Alaska.

Scale 1:10,000

Instructions dated April 13, 1934.

LIMITS

This survey covers the additional work recommended by the Section of Field Records, in their review of Hydrographic Survey No. 6414 (1937 - 38), Field No. 1237, as contained in paragraph 9 of the review.

SURVEY METHODS

The additional work was done by the Motor Sailer and Launches Nos. 4 and 3 of the SURVEYOR, during August and September 1939. The positions on all soundings on this sheet were determined by sextant fixes on objects or signals ashore. All signals were located by plane table or theodolite in accordance with standard practice.

All of the old signals from the previous survey that could be recovered were renewed, and in some places in the inner harbor it was necessary to relocate signals, in which case they were located by sextant fixes ashore, and recorded in the sounding volume.

COMPARISON WITH CHART NO. 9196

Especial attention was paid to both the hydrography and shoreline as mentioned in Paragraph 6 of the Review.

Position No. 20b, Launch #4, is the western limit of the rocky ledge and foul area at Lat. $53^{\circ}24.51'$ and Long. $167^{\circ}32.72'$ with a least depth of 3 fathoms. From this position to inshore there is some kelp growing, however no rocks are bare, and the area was carefully sounded by drifting and the tide was low when the surveying was being done.

Position No. 76b, Launch #4, Lat. $53^{\circ}24.75'$ and Long. $167^{\circ}35.05'$ has a least depth of $3\frac{1}{2}$ fathoms and very heavy kelp in the vicinity. A very thorough examination of the area was made by drifting and sounding continuously.

Position No. 161c, Launch #4, Lat. $53^{\circ} 24.75'$ Long. $167^{\circ} 33.9'$, a least depth of $5-4/6$ fathoms was found. This area was drifted over and no kelp is growing in the vicinity.

Position No. 162c, Launch #4, Lat. $53^{\circ} 24.44'$ Long. $167^{\circ} 33.25'$, a least depth of $5-2/6$ fathoms was found. The area was sounded continuously and drifted over, no kelp growing in the vicinity.

For both positions 161c and 162c, a buoy was put out so as to keep the location of the shoal, and the least depth was recorded.

Position No. 74b, Launch #4, Lat. $53^{\circ} 25.0'$ Long. $167^{\circ} 33.49'$, there is a sunken rock which probably had about 2 feet of water on it at the time the position was taken. Plotted as awash MLLW.

Between positions 61b and 62b, Launch #4, Lat. $53^{\circ} 24.8'$ Long. $167^{\circ} 33.35'$ a sounding of 8 fathoms was obtained.

There were no rocks off signal KIT as shown on Chart 9196.

The foul area NE of signal BAD was not further developed as it was thought unnecessary.

There are no rocks between signals APT and ZEB as shown on Chart 9196, except as located by original topo.

Position No. 107c, Launch #4, which is 150 meters north of signal POP, is alongside a rock which is bare 4 feet at low tide. lat. $53^{\circ} 24.4'$
long. $167^{\circ} 33.9'$

There are no rocks in the vicinity of signal DEB as indicated on Chart 9196 and note made in the record book at position 138e, Motor Sailer. lat. $53^{\circ} 23.7'$
long. $167^{\circ} 33'$

The area around signals MIX and LAY were investigated thoroughly for sunken rocks as shown on Chart No. 9196. Position 38d, Motor Sailer, gives the location of one near signal MIX. lat. $53^{\circ} 24'$
long. $167^{\circ} 33'$

Off Off Around signal CRY the least depth found was 3 feet, which was posi-

tion No. 59e, Motor Sailer. The area was examined very thoroughly. Rocks awash inshore. lat. $53^{\circ} 23'$
long. $167^{\circ} 31'$

If further developing of the harbor is to be done, I would suggest that the next survey be a wire drag survey, although with the present survey a least depth of 12 fathoms can be carried by a ship into the inner harbor, but from the nature of the bottom in the outer harbor a pinnacle rock may have been missed.

A tide staff was put up at the old Chernofski tide gage location, and the staff was read while the hydrographic parties were sounding.

Respectfully submitted,

J. M. Smook
for

J. D. Thurmond,
Jr. H. & G. Engr.,
U.S.C. & G. Survey.

Forwarded:

J. M. Smook

J. M. Smook, H. & G. Engr.,
Officer in Charge,
Seattle Processing Office.

Examined and approved,

Ray L. Schoppe

Ray L. Schoppe, H. & G. Engr.,
Comdg. U.S.C. & G.S.S. SURVEYOR.

MOTOR SAILER STATISTICS

Date	Vol.	Day	Miles of Soundings			Number of Positions			No. of Soundings		
			Wire	H.L.	Total	Wire	H.L.	Total	Wire	H.L.	Total
8/14/39	1	c		8.1	8.1		100	100		385	385
8/15/39	1	d	2.5	7.0	9.5	24	158	182	67	598	665
9/2/39	1&2	e	3.6	7.3	10.9	45	112	157	111	288	399
<u>LAUNCH No. 4 STATISTICS</u>											
8/14/39	1	a	9.3	1.7	11.0	86	15	101	242	49	291
8/15/39	1	b	10.8	6.2	17.0	122	66	188	338	193	531
9/2/39	1&2	c	7.7	2.9	10.6	135	46	181	444	143	587
Total additional work - -			34.4	33.2	67.6	482	497	979	1291	1656	2947

RAC
HRC

TIDE NOTE FOR HYDROGRAPHIC SHEET

April 11, 1940

Division of Hydrography and Topography:

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

Plane of reference approved in
5 volumes of sounding records for

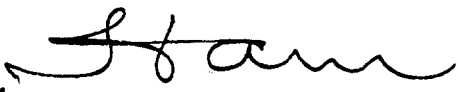
HYDROGRAPHIC SHEET 6414 Additional work

Locality Chernofski Harbor, Unalaska Island, Aleutian Islands

Chief of Party: R. L. Schoppe in 1939
Plane of reference is mean lower low water reading
2.0 ft. on tide staff at Chernofski Harbor
8.7 ft. below B. M. 1

Height of mean high water above plane of reference is 3.5 feet.

Condition of records satisfactory except as noted below:


acting Chief, Division of Tides and Currents.

**DECLASSIFIED BY NOAA
PURSUANT TO DOC SYSTEMATIC REVIEW
GUIDELINES AS DESCRIBED IN SECTION
3.3(a), EXECUTIVE ORDER 12356.**

Field Records Section (Charts)

HYDROGRAPHIC SHEET NO. **H6414**

Additional Work 1939

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

Number of positions on sheet	979.
Number of positions checked	.138.
Number of positions revised	..2..
Number of soundings recorded	2947
Number of soundings revised	..5!..
Number of soundings erroneously spaced	..14..
Number of signals erroneously plotted or transferred	.....0

Date:

Verification by *G. B. Littlepage*
Review by J. A. McCormick, 7/8/40.

Time: 82 ³/₄ hrs

Time: 6 hrs.

[REDACTED]
HYDROGRAPHIC SURVEY NO. H6414
Additional Work 1939

Smooth Sheet No

Boat Shoet No

Records; Sounding 5 Vols., Wire Drag Vols., Bomb Vols.

Descriptive Report Yes

Title Sheet Yes

List of Signals No

Landmarks for Charts (Form 567) No

Statistics Yes

Approved by Chief of Party Yes

Recoverable Station Cards (Form 524) No

Special Chart for Lighthouse Service (Circular Nov.30, 1933) No

Hydrography: Total Days 3 ; Last Date Sept. 2, 1939

Remarks _____

**DECLASSIFIED BY NOAA
PURSUANT TO DOC SYSTEMATIC REVIEW
GUIDELINES AS DESCRIBED IN SECTION
3.3(a), EXECUTIVE ORDER 12356.**

MEMORANDUM

IMMEDIATE ATTENTION

SURVEY
DESCRIPTIVE REPORT
PHOTOSTAT OF

No. H **H6414**
~~No. H~~ *(Add'l. Wk.)*

received March 19, 1940
registered April 5, 1940
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	T. B. Reed
----	------------

✓ *TBR*

Remarks.

- 1- Investigation of rocks off O Cross as shown on chart 9196 did not disclose the presence of any rocks in this vicinity. (see Vol 5 page 5)
- 2- Investigation of rocks near O Cruz shown on chart 9196 disclosed a group of rocks shown on pos. 55a, 57a, 69a. (skiff)
- 3- In Lat $53^{\circ} 23.2'$ Long $167^{\circ} 30.1'$ there are no rocks east of O Deb as indicated on chart 9196. see Vol 3 page 7. also Vol 4 page 5 pos. 138e MS
- 4- Investigation of rocks in vicinity of O pay shown in red on boat sheet from chart 9196. In Vol 5 page 8 it was noted that there were no rocks in this vicinity. In vol 3 page 17 the note "rock awash as shown" contradicts the above. Pos. 20a is about 10 meters from the approximate location of the rock referred to at pos. 85c. As no accurate location of the rock was given it was not inked and is referred to the reviewer. No new rock shown. Data / rock on topo nearby.
- 5- There are no rocks in the vicinity S.E. of O Zeb as shown on 9196 at pos 9d (vol 3 page 23).
- 6- Investigation of a rock shown on chart 9196 Lat $53^{\circ} 24.1'$ Long $167^{\circ} 32.9'$ revealed no rock. Pos 30-34d Vol 3 page 27

- 7- There are no rocks of O Kit as shown on 9196. See ✓
Descriptive Report and Vol 1 page 29
- 8- In the descriptive report page 3 it is noted that there are
no rocks between O Apt and O Zeb. This probably
refers to offlying rocks. The rocky reef shown on the ✓
smooth sheet agrees with T-5406 (1937) and is Noted
in D.R.
confirmed in Vol 2 page 22.
- 9- There are no rocks awast off O Deb as indicated
in red on the boat sheet see vol 3 page 7 pro 28 c ✓

7/3/40

Respectfully submitted
W. B. Stullpage

Verification Report for H-6414 (1939) add. v. 1.

1- Condition of Records

The records conform with the requirements of the Hydrographic Manual.

2- Shoreline and Signals

Signals shown in green are hydrographic signals located in 1939 and recorded in the sounding volumes. The shoreline originates with T-5406 (1934) and T-5730 (1934)

3- Sounding Line Crossings

Satisfactory

4- Depth Curves

Complete depth curves were drawn for the area covered by the survey.

5- Junctions with Contemporary Surveys

The junction with H-6255 (1936-37) is satisfactory

6- Aids to navigation

No new aids were located in 1939

7- Field Plotting

Failure to indicate on the boat sheet the results of investigation of rocks as called for by the revision and contradicting notes in the records made the location of some of the rocks vague.

DIVISION OF CHARTS

Section of Field Records

REVIEW OF HYDROGRAPHIC SURVEY NO. 6414 (1939) Addl. Work
FIELD NO. 1237

DECLASSIFIED BY NOAA
PURSUANT TO DOC SYSTEMATIC REVIEW
GUIDELINES AS DESCRIBED IN SECTION
3.3(a), EXECUTIVE ORDER 12356.

Aleutian Islands, Unalaska Island, Chernofski Harbor
Surveyed in August - September 1939, Scale 1:10,000
Instructions dated March 13, 1934 (SURVEYOR)

Soundings:

Hand lead and machine

Control:

Three point fixes on shore signals

Chief of Party - R. L. Schoppe.
Surveyed by - J. D. Thurmond, D. E. Sturmer.
Protracted by - J. W. Vonasek.
Soundings plotted by - J. W. Vonasek.
Verified and inked by - G. B. Littlepage.
Reviewed by - J. A. McCormick, July 8, 1940.
Inspected by - H. R. Edmonston.

1. Purpose of Survey.

As originally submitted, the survey of Chernofski Harbor was only about 50% complete. Paragraph 9, review of the original work, recommended split lines as indicated on the boat sheets returned to the field, and suggested re-inspection of rock detail to make certain that dubious rocks shown on Chart 9196 were actually non-existent.

2. Results of Survey.

Additional development was accomplished as requested and rock detail amplified sufficiently to supersede the sketched information on Chart 9196.

3. Comment.

There was some ambiguity in the sounding records in remarks concerning rocks. Several notes lacked information as to whether the rocks were sunken or awash and in few cases was the amount estimated by which a sunken rock was covered. The office interpretations of doubtful points are on the side of safety. It is also noted that little time was spent on the 3-1/2 fathom shoal in lat. 53° 24.8', long. 167° 35.05'. Further investigation of this spot and development of the area in the vicinity of the 11-fathom indications in lat. 53° 25.2', long. 167° 33.6', and lat. 53° 25.1' long. 167° 33.7' at the junction with H-6255 (1936-37)

are not immediately essential but would be desirable under opportune circumstances. Attention is called to the suggestion of the field party on page 4 of the descriptive report, concerning a wire drag survey of the harbor.

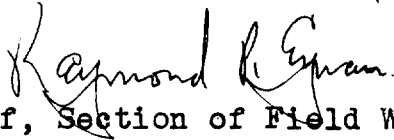
Examined and approved:



T. B. Reed,
Chief, Section of Field Records.



Chief, Division of Charts.



Chief, Section of Field Work.



Chief, Division of H. & T.

Applied to Chart Comp. 9022 June 4, 1939. H. MacSwain
Applied to (new) Chart 9009 Feb. 28/1942 P. B. G.

384
84
548

What

7

Applied to drawing of chart 9022 - Dec 31, 1941 - J.W.
Applied to (new) chart 9009 Feb. 28 - 1942 P.B. Co.