7088

Diag'd. on Diag. Ch. No. 9198

Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey Hydrographic

Field No. DE-6939 *Office No.* H-7088

LOCALITY

State Alaska - Aleutian Islands

General locality Attu Island

Locality Vicinity of Chirikof Point

1945

CHIEF OF PARTY

L. C. Wilder

LIBRARY & ARCHIVES

DATE May 15, 1946

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Form 537
(Ed. Nov. 1941)

REG. NO. H7088

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-7088

Field No. DE 6939

State ALASKA - Aleutian Is.

General locality ~~NEAR ISLANDS~~

Locality Vicinity of CHIRIKOF POINT, ATTU ISLAND

Scale 1:20,000 Date of survey 7th June - 1st August, 1945

Instructions dated 16 April 1943

Vessel DERICKSON

Chief of party L. C. Wilder

Surveyed by L.C.Wilder, W.F.Malnate, John Laskowski, J.E.Waugh

Soundings taken by ~~echo~~ fathometer, graphic recorder, hand lead, ~~wire~~

Protracted by R. M. Sylar

Soundings penciled by R. M. Sylar

Soundings in fathoms & tenths ~~feet at MLW~~ MLLW

REMARKS:

Smooth Sheet and Plotting by the Seattle Processing Office

U. S. GOVERNMENT PRINTING OFFICE 428075

DESCRIPTIVE REPORT

To Accompany

Hydrographic Survey H 6939

Scale 1:20,000

Chirikof Point, Attu Island, Alaska

L. C. Wilder, Chief of Party

U.S.C. & G. S.S. DERICKSON

1945

PROJECT: The hydrography was accomplished under Project CS 218, Instructions dated 16 April 1943. Supplemental instructions were dated 1 February 1944 and 29 January 1945. Additional instructions (Project 5) were issued by Capt. F. B. T. Siems, Liaison Officer, 17th Naval District, on 12 April 1945.

SURVEY LIMITS AND DATES: The area covered by the survey is inshore and east of Alexai Point. It extends along the south side of Chirikof Point eastward to Longitude 173° 31' E. The work was accomplished between the 7th June and 1st August 1945. The 1945 survey was to complete the hydrography in this area. Refer to Descriptive Reports of previous years for the junctions on the west, south, and southeast. The survey joins survey DE-4245, H-6871 (1944), scale 1:40,000 on the east and northeast; it joins H 6991 (1944-1945), scale 1:20,000 on the north and northwest.

This survey consisted primarily of the completion of the inshore hydrography in the vicinity of Chirikof Point and the development of shoals located in previous years.

VESSELS AND EQUIPMENT: The DERICKSON'S 24-foot Motorsailer and the EXPLORER'S 30-foot Launch No. 3 were used for inshore development. They were equipped with type 808A Depth Recorders, Nos. 56 and 61 respectively. The Ship DERICKSON, equipped with type 808A Depth Recorder No. 66 and a NMC Fathometer, was used east of Chirikof Point in the deeper water.

The turning radius of the Motorsailer is from 10 to 15 meters and of the Launch is from 15 to 25 meters. The Ship DERICKSON has a turning radius of 75 to 250 meters depending on whether one or two engines are used on the turns.

TIDES AND CURRENTS: A tide note is attached to this report. No current stations were occupied.

CONTROL STATIONS: The USN 1943 triangulation in this area was accomplished by parties from the U. S. S. HYDROGRAPHER. The 1944 triangulation is from schemes executed by parties from the U.S. C. & G.S.S. EXPLORER and the U.S.C.&G.S.S. SURVEYOR. The new topographic signals except Lug, Gob, Jim, and Off were located on survey DE-A-45, T7004a (1945) scale 1:20,000. Lug, Gob, Jim, and Off were located by theodolite cuts by parties from the SURVEYOR in 1944. Four hydrographic signals were located by sextant cuts in 1945. The hydrographic signals were located primarily for use on survey H 7018, scale 1:40,000. Several signals used, see list in volume 1 1945, were from previous surveys. (H-6740) The exact origin of the signals is not known but can be found by reference to the earlier surveys. Beacon "2" and beacon "4" were transferred from chart 9128. They are for use of the U. S. Coast Guard in locating aids to navigation. They were not used on the hydrography. The origin of the location of these signals is not known.

Bn 2 & 4 are not in area of this survey

SHORELINE AND TOPOGRAPHY: Refer to the Descriptive Report for survey T7004a DE-A-45 for a detailed description of the topography on that survey. The balance of the topography was placed on this sheet previously. Its source is ~~not known~~. T 8477 (1945) (map manuscript). Supplementary details were added from T-6960 (1943)

Attention is called to the topography in the vicinity of RIK (USN) 1943. This is a reef that is cut through by numerous indentations, with many rocks on it that are above mean high water. None of these rocks are connected to the mainland.

The large rock shown north northeast of (△ Hutch) Landmark Hill on chart 9128 (400 meters) should be shown as a reef with numerous small high water rocks instead of one large one.

T7004a The foul area around signals ~~Guy~~ and Zed was cut in on survey DE-A-45. This outlined the foul area. Sounding lines have been run into the edges of the area as outlined. The hydrographic data should be accepted as the correct delineation.

It was impossible to define the low water line by soundings

due to the small range of the tides, the thick kelp through which a launch could not be driven, numerous sunken rocks close to the beach, and the steep rise of the off shore edge of the rock reef.

SOUNDINGS: Soundings were obtained with the type 808A Depth Recorders and the NMC Fathometer. In addition numerous hand lead soundings were taken in critical areas and on shoals. No unusual methods were used to correct the soundings. A detail report on the computation of correctors has been submitted for the season of 1945 under separate cover. A list of the velocity correctors used is attached to this report.

CONTROL OF HYDROGRAPHY: Horizontal control was by three point fixes with sextants on shore objects.

ADEQUACY OF SURVEY: The survey is considered complete and adequate. A satisfactory junction has been made with adjoining surveys and no holidays or excessive differences exist except as noted below. All depth curves can be adequately drawn at the junctions.

There are several areas where it was impossible to sound due to very thick kelp. All of these areas are close to foul ground and breakers. Numerous detached soundings were obtained along the edges of these areas. The importance of the areas did not warrant jeopardizing the launches and personnel any further.

In the vicinity of topographic signal Off the fixes are weak due to the distance off shore and the availability of signals that could be seen at this distance when sounding with the Motorsailer. It is thought that the hydrography satisfies the requirements of the Hydrographic Manual although the fixes are weak.

CROSSLINES: Crosslines of approximately 5% of the regular spaced sounding lines have been run. No excessive discrepancies were found.

COMPARISON WITH PRIOR SURVEYS: Comparison has been made with survey 6939 (1943-1944). The 1945 survey consisted in part of additional development of shoals found in previous years. The boat sheet as furnished this party had numerous soundings encircled in red indicating that additional development was

necessary. The area in the vicinity of these soundings was developed using the Depth Recorders and the lead line. Copious remarks have been made in the sounding volumes. The shoals that constitute dangers have been listed and discussed below.

1. Latitude 52° 48.'15 Longitude 173° 18.'1
A 1 5/6 fms. sounding was shown on the boat sheet and a 2 3/4 fms. sounding is shown on chart 9128. The area is marked by kelp. The bottom is very irregular. This shoal was searched for on c-day, Motorsailer. The least depth obtained with the lead line was 3.0 fms. It was impossible to prove or disprove this sounding without wire drag methods. The importance of this area does not warrant additional work. (Positions 1-10c Motorsailer).

2. Latitude 52° 48.'4 Longitude 173° 20.'7
A 10 fms. sounding is shown on the boat sheet and chart 9128. After development with the lead line and Depth Recorder 8.6 fms. was the shoalest depth found. (47c-Launch 3).

3. Latitude 52° 48.'4 Longitude 173° 21.'2
A 11 fms. sounding is shown on the boat sheet and a 12 fms. sounding on chart 9128. After development with the Depth Recorder a shoal of 10.6 fms. was found. (Between pos. 68-69c Launch 3).

4. Latitude 52° 48.'6 Longitude 173° 21.'5
A 4 1/6 fms. sounding is shown on the boat sheet and a 4 fms. sounding is shown on chart 9128. A least depth of 9.3 fms. was found between positions 70c-71c, Launch 3. No indication of the 4 fms. sounding was found. It was impossible to prove or disprove this sounding without wire drag methods. The importance of this area does not warrant additional work.

5. Latitude 52° 49.'9 Longitude 173° 23.'7
A rock awash is charted on chart 9128. This danger was checked by survey DE-A-45 and also by hydrography. The rock uncovers 2 feet at MLLW. (See note between positions 94a-95a Launch 3). There is a heavy growth of kelp in the area.

6. Latitude 52° 49.'87 Longitude 173° 23.'5
A rock awash is charted on chart 9128. A sunken rock was located approximately 80 meters off shore of the rock awash. (See position 91a Motorsailer). It is estimated that the rock is covered 5 feet at MLLW. There is a heavy growth of kelp in the area. It breaks on this rock in moderate weather.

7. Latitude 52° 49'.64 Longitude 173° 29'.55 (breaker symbol from H-6939)
A sunken rock is charted in this area. It was impossible to check this position. A sounding line passed to the westward. (See positions 34d-35d Motorsailer). Light ground swells break on this rock. It should be retained on the chart.

8. The charted 5 foot rock south of the above position is shown correctly on the chart. The boat sheet as furnished indicated an elevation of 2 feet for this rock. (0 Off)

9. Lat 52°49.5' Long 178°30.1' 9.2 fms.

COMPARISON WITH CHARTS: Chart 9128 was published from the surveys discussed above. No additional comments are deemed necessary under this paragraph.

DANGERS AND SHOALS:

Latitude Longitude	Least Depth Fms.	Position Number
52° 48'.58 173° 21'.05	6.1	39c-40c (Launch)

In addition there is attached to this report a copy of "Advance Report of Dangers to Be Charted" They are adequately described on that form. Ch L 528 (1945)

Attention is invited to the general foul area in the vicinity signals Zed and DOME (USN) 1943. Vessels should not attempt to pass through this area. All kelp patches should be given a wide berth.

All charted dangers, shoals, and bare rocks were found as charted except for those listed above.

COAST PILOT NOTES were submitted for the entire season's work by the chief of party under separate cover.

AIDS TO NAVIGATION: A report was made to the Liaison Officer, 17th Naval District, on the Aids to Navigation.

Name	Latitude Longitude	Depth of Water Fms.	Position Number	Date 1945
Lighted Whistle Buoy 1	52°47'00".2 N 173 28 34.5 E	39.0	2B(D)	18 June
Lighted Whistle Buoy 3	52 47 04 N 173 25 26.5 E	30.7	3B(D)	18 June
Radar Buoy 2	52 47 34 173 33 33	39	1B	18 June

Name	Latitude Longitude	Depth of Water Fms.	Position Number	Date 1945	
Lighted Whistle Buoy 5	52°47'06" N 173 22 14 E	15.5	4B(D)	18 June	
Radar Buoy	52 47 00 N 173 18 52.5 E	19.2 NP	5B(D)	18 June	H 6739 - 1943-44
Bell Buoy 4	52 47 20 N 173 19 10.5 E	17.9 NP	7B(D)	18 June	H6939
Lighted Bell Buoy 7	52 47 04 N 173 18 44 E	18.2 NP	6B(D)	18 June	H6939
Buoy 6 (Nun)	52 47 37.5 N 173 18 24 E	15.2 NP	8B(D)	18 June	H6939
Lighted Bell Buoy 9	52 47 28 N 173 18 18.5 E	15.0 NP	9B(D)	18 June	H6939
Lighted Bell Buoy 8	52 47 56 N 173 17 55 E	13.3 NP	11B(D)	18 June	H6939
Buoy 11 (Can) Same as C 5"	52 47 45 N 173 17 44.5 E	14.1	10B(D)	18 June	H6939
Buoy 10 (Can) alongside N 8"	52 48 10.5 N 173 17 33.5 E	14.0 NP	12B(D)	18 June	H6939
Lighted Buoy 13	52 48 09.5 N 173 17 08.5 E	14.1 NP	13B(D)	18 June	H6939
Buoy 14 (Nun)	52 49 02.5 N 173 16 03 E	15.3 NP	18B(D)	18 June	H6939
Lighted Bell Buoy 12 alongside N"10" H6939	52 48 40.5 N 173 16 42 E	13.0 NP	15B(D)	18 June	H6939
Buoy 15 (Can) alongside C"9" H6939 160 m WxN	52 48 33 N 173 16 36 E	14.2 NP	14B(D)	18 June	H6939
Lighted Bell Buoy 17	52 48 59 N 173 15 54 E	18.0 NP	16B(D)	18 June	H6939 see NM 40 1945
Radar Buoy	52 49 01 N 173 15 51.5 E	18.2 NP	17B(D)	18 June	H6939 see NM 40 1945

moved subsequent to present survey

Name	Latitude Longitude	Depth of Water Fms.	Position Number	Date 1945	
Buoy 1 (Can) alongside C "1" H6939	52°47'07" N 173 10 51.5 E	18.4 NP	19B(D)	18 June	H 6939
Lighted Bell Buoy 2	52 46 38.5 N 173 12 46 E	28.9	20B(D)	18 June	H6939
Buoy 3 (Can)	52 47 47 N 173 11 39 E	19.9	17g(L)	19 June	H6940 (in Photostat)
Buoy 4 (Nun)	52 47 52.5 N 173 11 5[illegible]0 E	22.2	16g(L)	19 June	H6940
Buoy 5 (Can)	52 48 42.5 N 173 11 21 E	13.0	14g(L)	19 June	H6940
Buoy 6 (Nun)	52 48 45.5 N 173 11 45 E	12.3	15g(L)	19 June	H6940
Buoy 8 (Nun)	52 49 54.5 N 173 13 25 E	7.6	7g(L)	19 June	H6940
Lighted Bell Buoy B & R H B	52 49 44.5 N 173 12 30 E	12.0	6g(L)	19 June	H6940
Buoy 2 (Nun)	52 50 03.5 N 173 12 02 E	10.4	4g(L)	19 June	H6940
Buoy 7 (Can)	52 50 24.5 N 173 13 33.5E	11.7	3g(L)	19 June	H6940
Radar Buoy 2	52 49 34 N 173 33 31 E	39.0	1B(D)	18 June	See Page 5 H-6939
Buoy (Red)	52 50 50.5 N 173 12 28.5 E	2.9	1g(L)	19 June	H6940
Buoy (Black)	52 50 48.5 N 173 12 31.5 E	2.7	2g(L)	19 June	H6940

NOTE: (D) indicates Ship DERICKSON
(L) indicates Launch 3
The geographic positions are scaled from charts 9128 & 9198

No Fixed Aids to Navigation were located in this area.

A report was made to the United States Coast Guard, Ketchikan, Alaska on the 10 November 1945 pertaining to the objects to be used when locating the Floating Aids to Navigation. A copy of this report was forwarded to the Director.

An ozalid showing the ranges that are maintained in Massacre Bay is attached to this report.

In addition to the Floating Aids listed above there are numerous mooring buoys which were not located. These buoys are shifted frequently.

There is a submarine cable that runs eastward from Alexai Point. The location of this cable can be obtained from the Signal Corps, U. S. Army. It was not located by this party.

LANDMARKS FOR CHARTS: Submitted by the chief of party as a separate report.

GEOGRAPHIC NAMES: The charted names are the only ones known in this area.

John Laskowski
Lt.Comdr., USC&GS

J. E. Waugh
Lieut., USC&GS

Approved & forwarded:

L. C. Wilder
Lt.Comdr., USC&GS
Chief of Party

STATISTICS FOR HYDROGRAPHIC SURVEY H 6939 (1945)
U. S. C. & G. S. S. DERICKSON - Project CS 218

Vol. No.	Day Letter	Date 1945	No. Sdgs. H. L.	Number Positions	Statute Miles Sdgs.
		LAUNCH No. 3			
1	a	7 June	2	98	24.0
1	b	8 June	8	95	20.3
1	c	9 June	17	84	11.9
2	d	11 June	-	42	7.6
2	e	17 June	-	140	24.3
2	f	18 June	2	94	12.5
2	g	19 June	15	17	---
3	h	20 June	13	89	10.2
3	j	22 June	17	103	10.8
		TOTALS	74	762	121.6
		MOTORSAILER			
4	a	17 June	3	91	8.0
4	b	18 June	22	100	10.6
4	c	19 June	21	59	5.0
4 & 5	d	11 July	--	121	26.3
5	e	12 July	--	62	13.7
5	f	17 July	--	8	---
5	g	27 July	--	82	10.3
		TOTALS	46	523	73.9
		Ship DERICKSON			
6	A	7 June	--	20	---
6	B	18 June	--	20	---
6	C	7 July	--	111	55.2
6	D	8 July	--	118	50.3
6	E	1 Aug.	--	90	28.6
TOTALS			--	359	134.1
TOTALS FOR SHEET			120	1644	329.6

Area covered by survey (1945) = 10.2 square statute miles

Sounding with Type 808A Depth Recorders and NMC Fathometer
Continuous profile on all lines.

STATISTICS FOR HYDROGRAPHIC SURVEY H 6939 (1945)
U. S. C. & G. S. S. DERICKSON - Project CS 218

Vol. No.	Day Letter	Date 1945	No. Sdgs. H. L.	Number Positions	Statute Miles Sdgs.
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2	f	18 June	2	94	12.5
2	g	19 June	15	17	---
3	h	20 June	13	89	10.2
3	j	22 June	17	103	10.8
		TOTALS	74	762	121.6
		MOTORSAILER			
4	a	17 June	3	91	8.0
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6	E	1 Aug.	--	90	28.6
TOTALS			--	359	134.1
TOTALS FOR SHEET			120	1644	329.6

Area covered by survey (1945) = 10.2 square statute miles

Sounding with Type 508A Depth Recorders and NMC Fathometer
Continuous profile on all lines.

TIDE NOTE

A standard automatic tide gage was maintained at Massacre Bay; Latitude 52° 51' N., Longitude 173° 12' E. The height of mean lower low water corresponds to 3.6 feet on the tide staff. The observed tides at this station were used as a basis for the reduction of soundings taken on this survey. (See Director's letter of 24 August 1945, reference 36-mlh). Several days' tides are missing during the series. Chichagof Harbor tides were used the days that the Massacre Bay gage was not in operation. No time or height corrections have been applied to the observed tides.

A portable automatic tide gage was maintained at the U.S. A.A.F. pier in Chichagof Harbor; Latitude 52° 55.9 N., Longitude 173° 14.4 E. The height of mean lower low water corresponds to 3.3 feet on the tide staff. No time or height corrections have been applied to the observed tides. (See Director's letter of 24 August 1945, reference 36-mlh).

APPROVAL SHEET

14 December 1945

The records and boat sheets for Survey H 6939 (1945) are approved.

The records were examined frequently in the field, generally daily.

The survey is considered complete and adequate. The descriptive report covers all pertinent details.

L. C. Wilder

L. C. Wilder
Lt.Comdr., USC&GS
Chief of Party

DE-6939

List of Geographic Names penciled on Smooth Sheet

Alexai Point 814

Attu Island

Massacre Bay

Pacific Ocean

Bering Sea

Sarana Bay

Chirikof Point

H- 7088

DE 6939

Chirikof Point - Attu Island

Seattle Processing Office Notes

This work was intended for plotting on H-6939 of 1944, but the limits of that smooth sheet were exceeded in 1945 and a projection was prepared to take the 1945 soundings only. Pending assignment of a registry number, it has been called DE 6939.

There are in the sounding records certain buoys, ranges, and navigation aids which cannot be plotted on DE 6939, H-7088 but can be plotted on H-6939 & H-6940 in Washington. They are in:

Volume 2, pages 66-71 - Navigational Aids
" 5, " 31-34 - Ranges
" 6, " 9-13 - Buoys.

See also, list of Aids to Navigation attached. Pages 5, 687

See sketch of Ranges attached.

The Boat Sheet was returned to the field party shortly after the plotting of the smooth sheet was started. A tracing was made of rocks and kelp appearing on the boat sheet, before releasing it. The smooth plotting alters slightly the position of some rocks.

The Shoreline in the vicinity of Alexai Point was transferred from T-8474 supplemented by T-6960 1943 ~~H-6939. It originated with T-6960, East of Alexai Point.~~ The inked bits of shoreline are from T-7004a.

Other matters are obvious on the face of the sheet, or have been considered in the report by the field party.

Respectfully submitted,

Edgar E. Smith

Edgar E. Smith
Cartographic Engineer
Seattle Processing Office

GEOGRAPHIC NAMES

Survey No. H7088

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	
Alaska										1
Aleutian Is.										2
Attu I									U.S.C.&G.	3
Chirikof Pt									"	4
Alexai Pt.										5
Massacre Bay		(location of tide staff)								6
										7
										8
										9
										10
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										27

Names underlined in red approved
by L. Heck on 10/3/46

M 234

Hydrographic Surveys (Chart Division)

HYDROGRAPHIC SURVEY NO. H7088

Records accompanying survey:

Boat sheets Returned to field; sounding vols. 7; wire drag vols. .....;

bomb vols. .....; graphic recorder rolls 4.;

special reports, etc. .....

.....

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

Number of positions on sheet		1644	
Number of positions checked		190	
Number of positions revised		3	
Number of soundings revised (refers to depth only)		8	
Number of soundings erroneously spaced		12	
Number of signals erroneously plotted or transferred		—	
Topographic details	Time	8	hrs
Junctions	Time	44	
Verification of soundings from graphic record	Time	16	

Verification by A.R. STIRNI Total time 101 hrs Date Sept. 7-1946

Reviewed by R.H. Carstens Time 2 hrs Date Oct 3, 1946

M-2232-1

DIVISION OF CHARTS

REVIEW SECTION - NAUTICAL CHART BRANCH

REVIEW OF HYDROGRAPHIC SURVEY REGISTRY NO. H-7088

FIELD NO. DE-6939

Alaska-Aleutian Ids., Attu I., Vicinity of Chirikof Pt.
Surveyed in June - August 1945 Scale 1:20,000
Project No. CS-218

Soundings:

Handlead
808 Fathometer
NMC Fathometer

Control:

Sextant fixes on shore signals

Chief of Party - L. C. Wilder
Surveyed by - L. C. Wilder, W. F. Malnate, J. Laskowski and J. E. Waugh
Protracted by - R. M. Sylar
Soundings plotted by - R. M. Sylar
Verified and inked by - A. R. Stirni
Reviewed by - R. H. Carstens, October 3, 1946
Inspected by - H. W. Murray

1. Shoreline and Signals

Shoreline & offshore details were transferred from T-8474 & T-8478 · 4-7-49 EJWS

The shoreline and signals are discussed on page 2 of the Descriptive Report. Shoreline detail will be added after the air photographic surveys of this area have been completed.

2. Sounding Line Crossings

Depths at crossings are in very good agreement.

3. Depth Curves and Bottom Configuration

The depth curves were adequately delineated except in foul inshore areas.

The survey covers chiefly shoal and inshore areas where the bottom is very irregular.

4. Junctions with Contemporary Surveys

Satisfactory junctions were effected with H-6991 (1944) on the northwest, H-6874 (1945) on the northeast, H-6939 (1943-44) and H-7018 (1944-45) on the south, and H-6940 (1943-44) on the west.

5. Comparison with Prior Surveys

There are no prior surveys of the area by this Bureau.

6. Comparison with Chart 9128 (Latest print date 1/12/46)
Chart 9198 (Latest print date 2/2/46)

A. Hydrography

The hydrography charted within the limits of the present survey originates chiefly with advance information of this Bureau's surveys on blueprints 37372 (1943) and 40096 (1945).

The following soundings charted from the advance information were revised during verification and review and are superseded by the present survey information:

Charted Depth	Present Depth	Lat.	Long.
13 fms.	17.5 fms.	52° 49.05'	173° 21.1'
16 fms.	21 fms.	52° 48.98'	173° 21.4'
11 fms.	16.5 fms.	52° 48.83'	173° 21.0'
7 fms.	12 fms.	52° 49.79'	173° 20.75'
3 fms.	8.3 fms.	52° 50.01'	173° 23.73'
3 fms.	6.4 n'rby	52° 49.67'	173° 24.17'
5 fms.	8.4 n'rby	52° 49.31'	173° 28.86'
8 fms.	13 fms.	52° 51.10'	173° 26.10'
3 fms.	5.5 fms.	52° 51.78'	173° 26.52'
18 fms.	30 fms.	52° 48.54'	173° 30.08'

The rock awash charted in lat. 52° 49.90', long. 173° 23.55' from preliminary information is not shown on the present survey. The rock awash probably corresponds to the sunken rock shown on the present survey 70 meters to the southwest and should be disregarded.

The rock islets charted in lat. 52° 48.75', long. 173° 18.7' and lat. 52° 48.62', long. 173° 18.22' from advance information of the reconnaissance survey T-6960 (1943), should be superseded by the delineation on the present survey.

The 4-fms. charted in lat. 52° 48.55', long. 173° 21.48' from H-6939 is considered to be a kelp reading and has been revised to 8¼ fms. on that survey. The

charted 4 fms. is superseded accordingly.

Except for the soundings previously discussed, charted depths generally agree within 1 fm. of present survey depths. The charted information is superseded by the present survey.

B. Aids to Navigation

The present survey positions of floating aids to navigation differ from the charted positions by as much as 250 meters in some cases but still satisfactorily mark the features intended.

Many of the buoys fall outside the limits of the present survey and have been plotted on H-6939 and H-6940. Buoy 17 and the adjacent radar buoy (see ozalid in Descriptive Report) charted in lat. 52° 49.13', long. 173° 15.50' have been shifted in position subsequent to the present survey.

Attention is called to buoy C-5 charted in lat. 52° 50.25', long. 173° 11.60', before the construction of the pier extending offshore nearly to this position. The omission of its location on the present survey suggests that it is no longer there.

7. Condition of Survey

The field plotting was accurately accomplished.

The sounding records and Descriptive Report are complete and comprehensive.

8. Compliance with Project Instructions

The present survey adequately complies with the Instructions.

9. Additional Work Recommended

This is an excellent basic survey and no additional work is recommended.

Examined and approved:

I. E. Rittenburg
Chief, Nautical Chart Branch

C. M. Durgin
Chief, Division of Charts

K. G. Crosby
Chief, Section of Hydrography

C. K. Green
Chief, Division of Coastal Surveys

HWM

Form 712
DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY
Rev. June 1937

TIDE NOTE FOR HYDROGRAPHIC SHEET

June 14, 1946

~~Division of Hydrography and Topography:~~

Division of Charts: H. W. MURRAY

Plane of reference approved in
7 volumes of sounding records for

HYDROGRAPHIC SHEET 7088

Locality Chirikof Point, Attu Island, Near Islands, Alaska

Chief of Party: L. C. Wilder in 1945
Plane of reference is mean lower low water, reading
3.4 ft. on tide staff at Massacre Bay
6.8 ft. below B. M. 1

Height of mean high water above plane of reference is 3.3 feet.

Condition of records satisfactory except as noted below:

E. C. McKay
Section Chief, ~~Division~~ of Tides ~~and Currents~~.

U. S. GOVERNMENT PRINTING OFFICE 154327

NAUTICAL CHARTS BRANCH

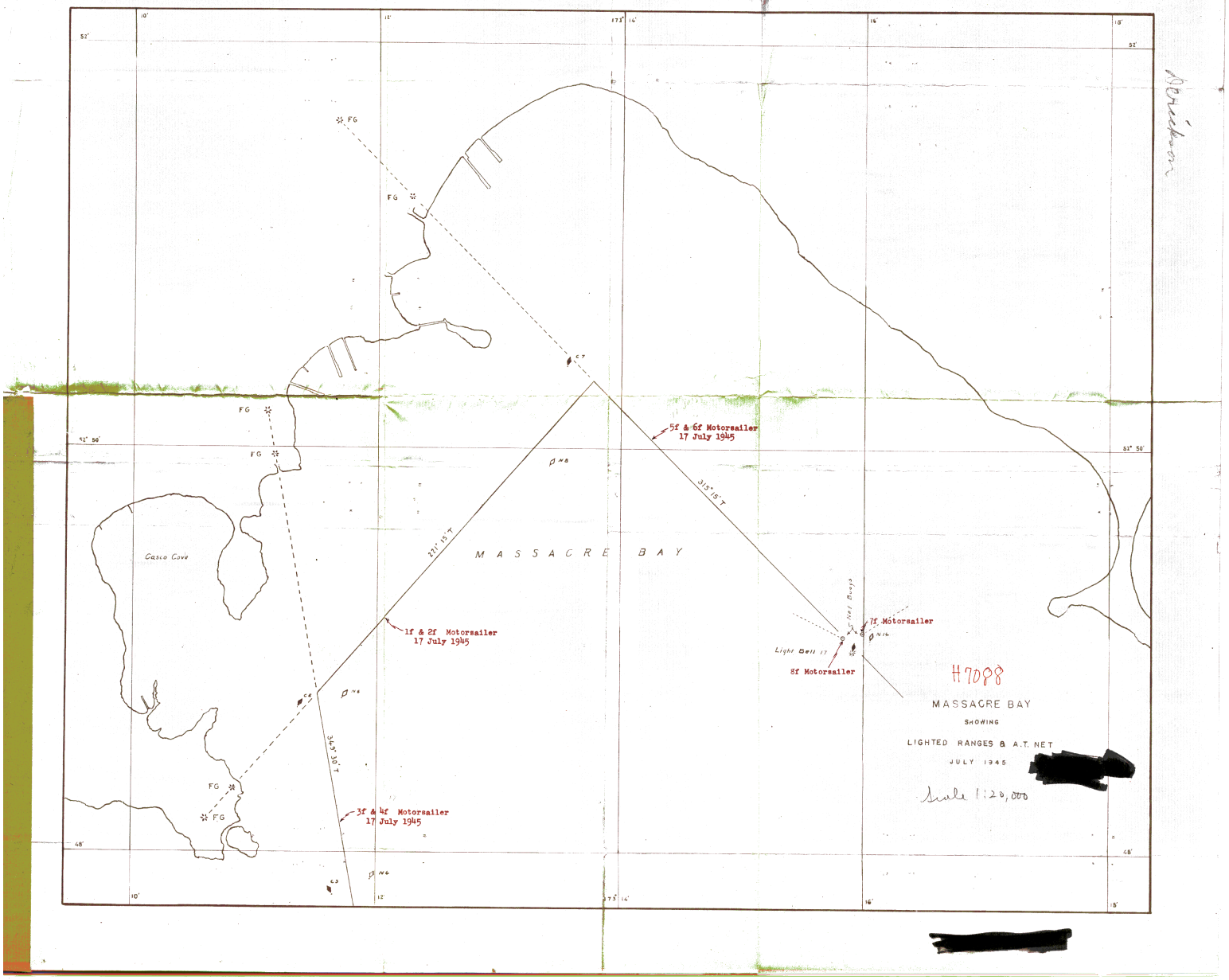
SURVEY NO. H7088

Record of Application to Charts

DATE	CHART	CARTOGRAPHER	REMARKS
8/4/49	9127	[illegible]	~~Before~~ After Verification and Review Reconstruction
9-25-50	9102	GAE	~~Before~~ After Verification and Review
8/10/51	9128	N.W Burgoyne	Part. Applied -Critical edge only ~~Before~~ After Verification and Review
4/7/59	Reconst 9128	Eaton	~~Before~~ After Verification and Review
9-22-92	16423	Ed Martin	~~Before~~ After Verification and Review New Chart
			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

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.


FG
FG
FG
FG
FG
FG
C7
C6
C5
C3
MASSACRE BAY
Casco Cove
5f & 6f Motorsailer
17 July 1945
1f & 2f Motorsailer
17 July 1945
3f & 4f Motorsailer
17 July 1945
7f Motorsailer
8f Motorsailer
Light Bell 17
Buoys
321° 15' T
315° 15' T
345° 30' T
H7088
MASSACRE BAY
SHOWING
LIGHTED RANGES & A.T. NET
JULY 1945
Scale 1:20,000

Examined for critical errors - 3 sdgs added from pencilled sheet
To chk 9127 HFA 5/16/46

4/7/59 9128 J.H. Eaton Comp. app'd. to Recon. after V. & R.

5-8-63 8865 [illegible] Exam Partly app'd Revised 1 sndg Revise * to o islet deleted Rk (typo) after V & R