

# 8306

*No bromide Negative*

Diag. Cht. No. 8862.

Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

## DESCRIPTIVE REPORT

Type of Survey Hydrographic

Field No. EX-2156 Office No. H-8306

### LOCALITY

State Alaska - Aleutian Islands

General locality Andreanof Islands

Locality Chugul Pass and Igitkin Pass

194 56

CHIEF OF PARTY

G. A. Nelson

LIBRARY & ARCHIVES

DATE April 22, 1957

B-1870-1 (1)

8306

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-8306

Field No. EX-2156

State Alaska - Aleutian Islands

General locality ~~Aleutian Islands, Andreanof Group~~ Islands

Locality Chugul Pass and Igitkin Pass

Scale 1:20,000 Date of survey 2 August 1956 to 22 August 1956

Instructions dated 16 December 1954 and 10 November 1955

Vessel Ship EXPLORER

Chief of party G.A. Nelson

Surveyed by J.O. Phillips and E.W. Richards

Soundings taken by fathometer, ~~XX~~ ~~XXXXXXXXXX~~ hand lead, ~~VIII~~

Fathograms scaled by Fathometer Readers

Fathograms checked by A. Larsen, M.D. Christensen, A.J. Lewis, O.J. Weber

Protracted by L.L. Posey

Soundings penciled by L.L. Posey

Soundings in fathoms ~~XXX~~ at ~~XXXX~~ MLLW

REMARKS: The fathogram for "e" day, launch #3 is lost. Apparently this fathogram was forwarded to the Washington office with sheet EX-6156.

(found during verification)

*Handwritten initials*

Descriptive Report

to accompany

Hydrographic Survey H-8306

(Field No. EX-2156)

Aleutian Islands, Alaska

Chugul Pass & Igitkin Pass

1956

Scale 1:20,000

USC & GSS EXPLORER George A. Nelson, Comdg.

Surveyed by: J.O. Phillips, E.W. Richards

A. PROJECT

This survey was executed in accordance with Revised Instructions - Project CS- 218, Aleutian Islands, Alaska, Dated 16 December 1954

And

Supplemental Instructions - Project 1218 Aleutian Islands, Alaska, Dated 10 November 1955.

B. SURVEY LIMITS & DATES

The survey covers the northeasterly portion of Chugul Pass and the westerly portion of Igitkin Pass, and includes inshore hydrography on most of the south side of Igitkin Island and the westerly half of Chugul Island

(ad WK 1956)  
It joins Surveys H-6918 (1943), scale 1:20,000 on the west, H-8307 (1956) (EX-2256) on the south and H-8308 (EX-2356) on the east on both north and south sides of Chugul Island. (1956)

See index sheet attached to this report.

Work began on the sheet 2 August 1956 and ended on 22 August 1956.

The sheet was originally laid out to include the area north of Igitkin Island and east of Great Sitkin. The northerly portion was not completed in 1956 and the smooth sheet was plotted to include only the 1956 survey.

Comp EX 1957  
BP on file

C. VESSEL AND EQUIPMENT

All hydrography was done by EXPLORER launches 2 and 3 operating from the ship.

Launch 3 Completed the area southwest of the 4.6 mile arc on MOSS and east of a line between PASS and RIG.

Launch 2 completed the Central portion between the two above areas.

808 fathometer No. 137 SP was used on launch No. 3.

EDO portable fathometer No. 212 was used on launch no. 2.

Both fathometers are calibrated for a velocity of 800 fms/sec.

#### D. TIDE AND CURRENT STATIONS

A portable tide gage was maintained during the period of this survey at Chugul Island, Tanager Point, Lat.  $51^{\circ} 56' .75N$  Long.  $175^{\circ} -52' .41W$ .

All tide reducers were obtained from the above gage. No time or range corrections were applied.

Three current stations were observed.

Igitkin Pass - NO. 40 120 hours - Lat.  $51^{\circ} 57' .4$  - Long.  $175^{\circ} 52' .5$

Chugul Pass - NO. 39 50 hours - Lat.  $51^{\circ} 56' .2$  - Long.  $175^{\circ} 53' .4$

Chugul Pass - NO. 38 50 hours - Lat.  $51^{\circ} 55' .5$  - Long.  $175^{\circ} 55' .9$

Latitude and longitude of the above stations was taken from the boat sheets for this area.

#### E. SMOOTH SHEET

The smooth sheet projection was made by hand aboard the Ship EXPLORER in November 1956. The projection was made on a full size Whatman sheet.

MOSS and CHU sharon arcs were inked with beam compass from the stations plotted on the sheet.

Topographic station CHU was plotted from computed geographic positions.

Topographic stations embraced by map manuscript T-11549 were pricked through from the corresponding black line impression. Those signals in the area of map manuscript T-11550 were pricked from the corresponding blue line print. No black line print of T-11550 was furnished. (1953)

Shore line was transferred direct to the smooth sheet from blue line imprints of the applicable manuscripts. (Shoreline & rocks revised during verification to agree with reviewed Top. Surveys T-11449 & T-11550)

Shoreline and topographic details have been verified in accordance with subject 757 of the Hydrographic Manual.

#### F. CONTROL STATIONS

Triangulation stations were established by the U.S. Navy in 1934, by G.C.M. in 1943 and by this party in 1956. 1934 U.S. Navy triangulation is published by the Coast & Geodetic Survey.

The position of sharon station CHU was computed from a distance

and direction from CHUGUL (USN), 1934 and recorded in triangulation record. Computations are included in the data for H-8309 (EX-6156).

Shoran station MOSS is on MOSS PT., 1956.

All other topographic stations are photo-hydro stations located in 1956 by photogrammetric methods on manuscripts T-11549 and T-11550.

Fourth-order theodolite directions were observed on some photo-hydro stations in Igitkin Pass. Due to the apparent discrepancy between the location of the topographic stations by theodolite cuts and the advance manuscript locations, <sup>only the manuscript locations</sup> were used in plotting the smooth sheet.

This discrepancy could be due in part to the weak scheme of triangulation in this area, namely at stations SHELTER 1943, COVE 1943, and TIG 1943. Topographic stations where this discrepancy was noted were as follow: GAS, 12M northeast of theodolite cuts, JAR, 12M southwest of theodolite cuts, and VEX, 6M northwest of theodolite cut. *Location of Hydro. not seriously affected.*

G. SHORELINE AND TOPOGRAPHY

Shoreline and topographic details are from photogrammetric compilation of manuscripts T-11549 and T-11550 field inspection data. *shoreline revised during verification to agree with reviewed surveys T-11549 and T-11550 of 1953-57*

In the area between signals OLE and NAT it is believed that the shore line should be moved to the south as shown on the advance manuscript of T-11549. The blue line print for this area was labeled as "preliminary manuscript". *Revised during verification 1104*

H. SOUNDINGS

All soundings on sounding lines were measured with echo sounding equipment listed in paragraph G.

No unusual methods were used.

I. CONTROL OF HYDROGRAPHY

Hydrography in the south and southwest positions of the sheet, including all hydrography on the south side of Chugul Island and west of the MOSS 5.6 Arc in Igitkin Pass, was controlled by shoran using stations Moss and CHU.

Hydrography in Igitkin Pass east of the MOSS 5.6 arc was controlled by visual sextant fixes on shore stations.

J. ADEQUACY OF SURVEY

The survey is considered complete and adequate to supersede prior surveys. Shoal soundings of 24 and 25 fathoms, Lat. 51° 55'.45 Long. 175° 49'.75 and 17 and 19 fathoms, Lat 51° 55'.25, Long. 175° 49'.2 were not investigated. These soundings are apparently the tips of underwater ledges and are probably satisfactory as shown.

Shoran controlled hydrography lying in the base line between

MOSS and CHU is all plotted on time, course and the shoran distance ✓  
from MOSS.

K. CROSSLINES

Crosslines represent approximately eight (8) percent of the ✓  
hydrography.

Discrepancies at crossings are within the allowable limits.

L. COMPARISON WITH PRIOR SURVEYS

This area was previously surveyed by the U.S. Navy in 1934, H-6913(1943) <sup>(H-6897)</sup> USCGS  
on a 1:30,000 scale. The Navy survey was more in the nature of a  
reconnaissance survey. There is reasonable agreement between this survey and the Navy survey. This survey is more complete and should supersede the old survey. There are no dangers to navigation in this area on either survey. <sup>Review</sup>  
<sub>L&H-6919(1943) USCGS</sub>

*Inshore*  
~~Off-lying~~ rocks and rocks awash.

Longitude	51-55.3	Latitude	175-48.8
	51-55.3		175-48.9
	51-55.4		175-49.1
	51-55.85		175-49.6
	51-55.9		175-49.7
	51-56.0		175-49.9
	51-56.15		175-49.95
	51-56.2		175-50.0
	51-56.3		175-50.06
	51-56.5		175-50.85
	51-56.6		175-51.55
	51-56.155		175-51.6
	51-56.55		175-51.7
	51-56.55		175-51.75
	51-56.6		175-51.7
	51-56.6		175-52.
	51-56.65		175-52.1
	51-56.6		175-52.2
	51-56.6		175-52.3
	51-56.65		175-52.4
	51-56.75		175-52.4
	51-56.8		175-52.25
	51-56.8		175-52.2
	51-56.8		175-52.1
	51-56.9		175-52.05
	51-57.0		175-52.05
	51-57.05		175-52.01
	51-57.1		175-51.95
	51-57.2		175-51.7
	51-57.25		175-51.6

*chart from  
smooth sheet*

Longitude	Latitude
51-57.3	175-51.4
51-57.4	175-50.85
51-57.35	175-50.6
51-57.3	175-50.5
51-57.3	175-50.45
51-57.15	175-50.2
51-57.1	175-49.85
51-57.25	175-49.9
51-57.5	175-49.7
51-57.5	175-49.6
51-57.7	175-49.05
51-58.9	175-50.05
51-58.8	175-50.4
51-58.75	175-50.7
51-58.65	175-50.95
51-58.05	175-52.3
51-57.95	175-52.65
51-57.85	175-52.8
51-57.85	175-53.
51-58.05	175-53.6
51-58.05	175-54.05
51-58.2	175-54.85
51-58.3	175-55.45
51-58.4	175-55.95
51-58.35	175-56.6

M. COMPARISON WITH CHART

In general there is good agreement between charted depths, (chart 9139, 3rd. ed. 52-6/2) and soundings on the present survey. Some of the charted depths, however, in the constricted part of Igitkin Pass, Lat.  $51^{\circ} 57.45'$ , Long.  $175^{\circ} 52.55'$ , are several fathoms deeper than corresponding depths of the 1956 work. *VP6*  
*Review*

The charted sunken rocks, Lat.  $51^{\circ} 58.55'$ , Long.  $175^{\circ} 56.1'$ , ~~were not~~ <sup>were not</sup> revealed by the current survey. The records do not show that any extensive search was made to disprove this rock.

N. DANGERS AND SHOALS

There are no dangers to navigation or shoals within the limits of this survey.

All charted dangers, shoals, and bare rocks were found as charted, except as noted in section M.

Discrepancy

Your attention is directed to EXPLORER'S letter No.706, Ser 1, 120 JJJ/WKK, dated 19 February 1957, a copy of which is attached to this report.

This letter was not answered and the rock in question remains an unresolved discrepancy. Personnel on the EXPLORER do not think the rock shown on Advance Manuscript T-11549 exists ( Lat. 51° 57'19", Long. 175° 52.3' ) but the final conclusion hinges on an answer to the foregoing letter.

Rock  
Not shown  
on Adv. Ms  
dated  
Oct. 1957

Shoreline and rocks on this sheet came from Preliminary Manuscript T-11549 (blue line). It is noted that shoreline and rocks that appear on preliminary manuscript T-11549 do not agree exactly with that shown on Advance Manuscript T-11549. If the foregoing letter had been answered this party would know which is the final shoreline for the area. While it would seem that the Advance Manuscript should be the final compilation, no black or blue line print was furnished with the ozalid copy, while a black and blue line print was furnished with the Preliminary Manuscript. Note that the latter went to Washington with the field note in the Fall of 1956 and were returned early in 1957.

shore-  
line &  
rocks  
from  
Reviewed  
air-photo  
surveys  
T-1144  
& T-1155  
of 1953-57.

O. COAST PILOT INFORMATION

See "Coast Pilot Notes U.S. Coast Pilot 9, Alaska . Cape Spencer to Artic Ocean, Ship EXPLORER 1956" forwarded to Washington office on 26 September 1956.

Y. MISCELLANEOUS

There is no position 24, f day, launch 3 plotted on either the boat sheet or smooth sheet. This position was rejected and never repeated.

Statistics for this sheet

Vol. No.	Dayletter	Launch No.	Date	No. of LL or wire Sdgs. -	No.Pos	Naut.Miles of Sdg. lines.
1	a <sup>v</sup>	2	8/2/56	-	114	24.7
1 <sup>v</sup>	b <sup>v</sup>	2	8/3/56	-	115	22.4
1 & 2	c	2	8/10/56	-	141	22.8
2 <sup>v</sup>	d	2	8/11/56	2	148	24.4
3	a	3	8/2/56	-	21	4.3
3	b	3	8/3/56	-	151	32.8
3 & 4 <sup>v</sup>	c	3	8/10/56	-	124	27.5
4	d	3	8/11/56	-	110	19.5
4	e	3	8/13/56	3	198	27.3
4 & 5	f	3	8/22/56	1	100	14.0
<b>TOTALS</b>				<b>6</b>	<b>1222</b>	<b>219.7</b>

Area: 16:19 Sq. Nautical Miles



Z. TABULATION OF APPLICABLE DATA

Data forwarded with this report:

2 Boat sheets  
1 Smooth sheet  
5 Sounding volumes  
Tracing of junction of sheet H-6918 & H-6913

Data forwarded separately:

Tide manigrams, Chugul Island, Tanager Point, tide station  
forwarded to Washington office on 12 September 1956.

1956 Triangulation data forwarded to Washington office  
22 October 1956.

1956 Photogrammetric records including data listed in Field  
Inspection Report forwarded to Washington office 28 September  
1956

1956 Magnetic observation forwarded to Washington office  
26 September 1956.

Coast Pilot Notes forwarded to Washington office 26 September  
1956.

1956 Season Report forwarded to Washington office 5 November  
1956.

Current Records forwarded to Washington office 6 September 1956.

Additional Applicable data.

Topographic Manuscript T-11549 and T-11550 compiled from 1953<sup>5</sup>  
and 1956 field inspection data.

Respectfully submitted,

*Lavon L. Posey*

Lavon L. Posey  
Ensign, USC&GS

*E. H. Kirsch*  
Approved and Forwarded

E.H. Kirsch

ADDENDA

Copies of all correspondence relative to map manuscript T-11549 are attached to this report. See EXPLORERS letter no. 706 ser 120 dated 19 January 1957, Chief, Division of Photogrammetry letter No. 771mh, dated 27 March 1957, EXPLORER'S letter No. 156-706 jtj/rhf dated 8 April 1957.

Paragraph 2 of Photogrammetric Division Chief's letter no. 77 lmh dated 27 March 1957 is not exactly correct. In the shipment on 4 January 1957, Registra H-581081, we received a blueline and a blackline transparency, each labeled "Incomplete Manuscript". They were the same transparencies that were transmitted to the Washington Office on 1 October 1956, gbl No. C-68332.

The shoreline on H-8306 was transferred from the above blue line transparency and the photo-hydro points were pricked from the above blackline transparency. All of the above happened before the writer reported aboard the EXPLORER. The photo-hydro signals are probably correct but there is some difference between the shoreline and rocks on the advance manuscript from the same features shown on the incomplete manuscript. There is not time to revise this shoreline on H-8306 prior to the sailing of the EXPLORER. It should be checked in the Washington Office and revised as necessary.

*shoreline revised during verification, See #1 Review*

Attention is called to the fact that the fathogram for "e" day, launch No. 3 is lost. *(Found during verification)*

  
J. T. Jarman  
Field Work Officer

COPY

COPY

19 February 1957

To: The Director  
Coast and Geodetic Survey  
Department of Commerce Building  
Washington 25, D.C.

Subject: Photogrammetry, Project 6034, T-11549

A question has arisen regarding the photogrammetric manuscript T-11549, to be applied to smooth sheets EX-2156, H-8306 and EX-2356, H-8308.

There are on board the EXPLORER two identical ozalid copies of T-11549 labeled "Advanced Manuscript." There is no corresponding black-line or blue-line transparency labeled "Advance Manuscript."

In addition there are two ozalid copies of T-11549 labeled "Incomplete Manuscript" along with corresponding black-line and blue-line transparency.

According to definition, the copies of T-11549 labeled "Advanced Manuscript" should be the latest compilation, but all evidence points to the use of the copies labeled "Incomplete Manuscript" during the field season of 1956.

*Copy not available.*  
The discrepancy which pointed up this situation is a rock awash appearing on copy of T-11549 labeled "Advance Manuscript," Lat  $51^{\circ} 57.99'$ , Long  $175^{\circ} 52.31'$ . This rock does not appear on copies of T-11549 labeled "Incomplete Manuscript," nor does it appear on the boat-sheet EX-2156, H-8306. The position of the rock on the smooth-sheet shows 13 fathoms of water. *Rock deleted from T-11549 (see attached letter 2/7/57, Photo Div.)*

CDR Hicks, Field Works Officer, and CDR Clark, Photogrammetrist, have both been detached. LT Richards, the hydrographer, did not have the rock on his boat-sheet and did not see any indication of it on the working grounds.

This ship is inclined to presume that the copies of T-11549 labeled "Advance Manuscript" are earlier compilations from some past season and that the copies labeled "Incomplete Manuscript" are the latest compilations available. Any information concerning this situation that is available in the Washington Office will be appreciated.

It is suggested that each successive photogrammetric plot of any one area in the future be dated and in some cases explanatory notes be added. With such data, the photo-plot history can be traced and there can be no question as to what is current.

E.H. Kirsch  
Captain, C&GS  
Comdg. Ship EXPLORER

77-lmh

27 March 1957

AIR MAIL

To: Capt E.H. Kirsch  
U.S.C. & G.S. Ship EXPLORER  
705 Federal Office Building  
Seattle 4, Washington

Subject: Photogrammetry, Project 6034, T-11549

Reference: Letter of 19 February 1957 on above subject

Due to an overload of work this reply was unfortunately misplaced in a backlog of typing.

The photogrammetric manuscript T-11549 was completed in the Washington Office as an "Advance manuscript" about mid-December 1956, and a blackline and a blueline transparency of this advance map was forwarded to the EXPLORER on 4 January 1957, Register #581081.

The "Incomplete Manuscript" copy was used during the field season of 1956 in the form of a blackline impression and a blueline transparency.

Maps labeled "Advance Manuscript" are final for the degree of information shown on them. T-11549 will have contours added later but will remain as an advance map until reviewed. Following final review the label is removed and the map is reproduced for permanent filing.

Therefore, with special reference to the next to the last paragraph of the reference letter, the "Advance Manuscript" of T-11549 is not an earlier compilation but, rather, is the latest and the "Incomplete Manuscript" is a prior map compiled without benefit of field inspection other than photo-identification of horizontal control.

The rock awash referred to in the fifth paragraph as being in conflict with a 13 fathom sounding has been investigated and found to be nonexistent. It should be deleted.

s/s L.W. Swanson  
L.W. Swanson, Chief,  
Photogrammetry division

AIRMAIL

8 April 1957

To: The Director, C&GS  
Washington 25, D.C.

Subject: Photogrammetry, Project 6034, T-11549

Reference: Ch. of Photogrammetry Div., ltr lnh, dated 27 March 1957

Relative to T-11549, paragraph 2 of reference letter is slightly in error. The shipment, Register # 581081, contained two ozalid prints labelled "Advance Manuscript" and a blackline and blue-line transparency labelled "Incomplete Manuscript". These two transparencies were the same that were shipped to Washington on 1 October 1956, GBL C-68332.

The shoreline on H-8306 was transferred from the above blue-line transparency, and the photo-hydro signals were transferred from the accompanying blackline transparency. Presumably, the signal locations on the blackline transparency were checked in the Washington office and should be correct. The shoreline and rock locations from the blue-line transparency do not agree exactly with that contained on the ozalid copy labelled "Advance Manuscript" and will require some revision.

A blue-line and a blackline transparency of the advance manuscript T-11549 are requested by airmail. This information will be needed immediately since the area will be the first surveyed during the 1957 field season.

E. H. Kirsch  
Captain, C&GS  
Commanding Ship EXPLORER

APPROVAL SHEET  
EX-2156, (H-8306)

This sheet has been inspected along with supporting records and is approved. Your attention is directed to copies of letters and addenda at the end of the report dealing with a shoreline discrepancy for which there was insufficient time to correct before the EXPLORER sails for Alaska.

*E. H. Kirsch*  
E. H. Kirsch  
Capt. C&GS  
Commanding  
Ship EXPLORER

DIVISION OF CHARTS  
REVIEW SECTION - NAUTICAL CHART BRANCH  
REVIEW OF HYDROGRAPHIC SURVEY

REGISTRY NO. H-8306

FIELD NO. EX-2156

Alaska - Aleutian Islands, Andreanof Islands, Chugul Pass  
and Igitkin Pass

Surveyed August, 1956

Scale 1:20,000

Project No. GS-218

Soundings:

808 Depth Recorder  
Edo Depth Recorder

Control:

Shoran  
Sextant fixes on  
shore signals

Chief of Party - G. A. Nelson  
Surveyed by - J. O. Phillips and E. W. Richards  
Protracted by - L. L. Posey  
Soundings plotted by - L. L. Posey  
Verified and inked by - E. E. Thomas  
Reviewed by - I. M. Zeskind  
Inspected by - R. H. Carstens

Date: 7/8/58

1. Shoreline and Control

The shoreline originates with reviewed air-photographic surveys T-11549 (1953-57) and T-11550 (1953-57).

The source of the control is described in the Descriptive Report.

2. Sounding Line Crossings

The sounding line crossings are in good agreement.

3. Depth Curves and Bottom Configuration

The usual depth curves were adequately delineated, except close inshore where the foul character of the bottom prevented development to the low-water line.

The bottom is very irregular in depths less than 10 fms. and fairly regular in greater depths. Submarine features such as ledges, shoals and deeps contribute to the bottom irregularity.

4. Junctions with Contemporary Surveys

Adequate junctions were effected with H-8307 (1956) on the south and H-6918 (1943-56) on the west. The junction with H-8308 (1956) on the east will be considered in the review of that survey. The project survey on the northwest has not yet been received in the Washington Office.

5. Comparison with Prior Surveys

- A. H-6895 USN (1934), 1-15,000  
H-6897 USN (1934), 1-30,000

These surveys cover the area of the present survey. A comparison between the prior and present surveys reveals in general, only minor differences in depths of 1-4 fms. However, in several areas differences in depths of as much as 15 fms. are noted, as for example, in lat.  $51^{\circ}58.02'$ , long.  $175^{\circ}55.15'$  where a prior depth of 6-3/4 fms. falls in present depths of 18-22 fms. These differences in depths are attributed to weak control, improper spacing of soundings and errors in depths on the Navy surveys. A number of bottom characteristics have been carried forward from the Navy surveys to the present survey.

With these additions, the present survey is adequate to supersede the prior surveys within the common area.

- B. H-6913 (1943), 1-20,000  
H-6919 (1943), 1-20,000

These prior surveys fall within the area of the present survey. A comparison between the prior and present surveys reveals only minor differences of 1-3 fms. in depths. Several soundings have been brought forward from H-6919 to the present survey.

With the addition of these soundings, the present survey is adequate to supersede the prior surveys within the common area.

6. Comparison with Chart 9139 (Latest print date 6/2/52)

A. Hydrography

The charted hydrography originates with the previously discussed prior surveys, which need no further consideration except as follows:



1. The charted rocks and ledges originate with U.S. Navy reconnaissance surveys of 1934 and are generally in disagreement with the location and delineation of these features on the present survey. These features should be charted as shown on the present survey.
2. The 20-fm. sounding charted in lat.  $51^{\circ}56.20'$ , long.  $175^{\circ}51.40'$ , from U.S. Navy survey H-6897 (1934), <sup>Removed</sup> <sup>on drawing</sup> falls in present depths of 28-31 fms. The charted sounding which is discredited by depths on the present survey, <sup>4/14/59</sup> <sup>officer</sup> is believed to be 10 fms. too shoal and should actually be 30 fms. The 20 fm. sounding should therefore be deleted from the chart.

The present survey is adequate to supersede the charted hydrography within the common area.

B. Aids to Navigation

There are no aids to navigation charted within the area of the present survey.

7. Condition of Survey

- a. The sounding records and Descriptive Report are complete and comprehensive.
- b. The smooth plotting was accurately done.
- c. During verification of the present survey, it was noted that depths obtained by the Edo Depth Recorder differed from those obtained by the 808 Depth Recorder by about 1 fm. in 40 fms. The same condition was noted in junctioning surveys H-8308 and H-8307 of 1956 where they join the present survey on the southeast. It is considered that depths obtained by the Edo Depth Recorder were probably in error. Therefore, an arbitrary correction of 0.5 fm. in depths of 21-35 fms. and 1.0 fm. in greater depths was applied to the depths obtained by the Edo Depth Recorder in order to bring these depths into agreement with those obtained by the 808 Depth Recorder.

8. Compliance with Project Instructions

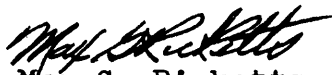
The survey adequately complies with the Project Instructions.

9. Additional Field Work Recommended

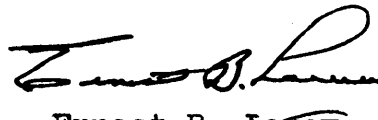
This survey is considered basic and no additional field work is recommended.

H-8306 - 4

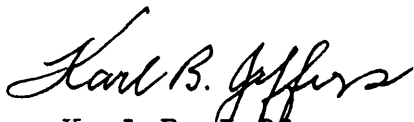
Examined and approved:



Max G. Ricketts  
Chief, Nautical Chart Branch



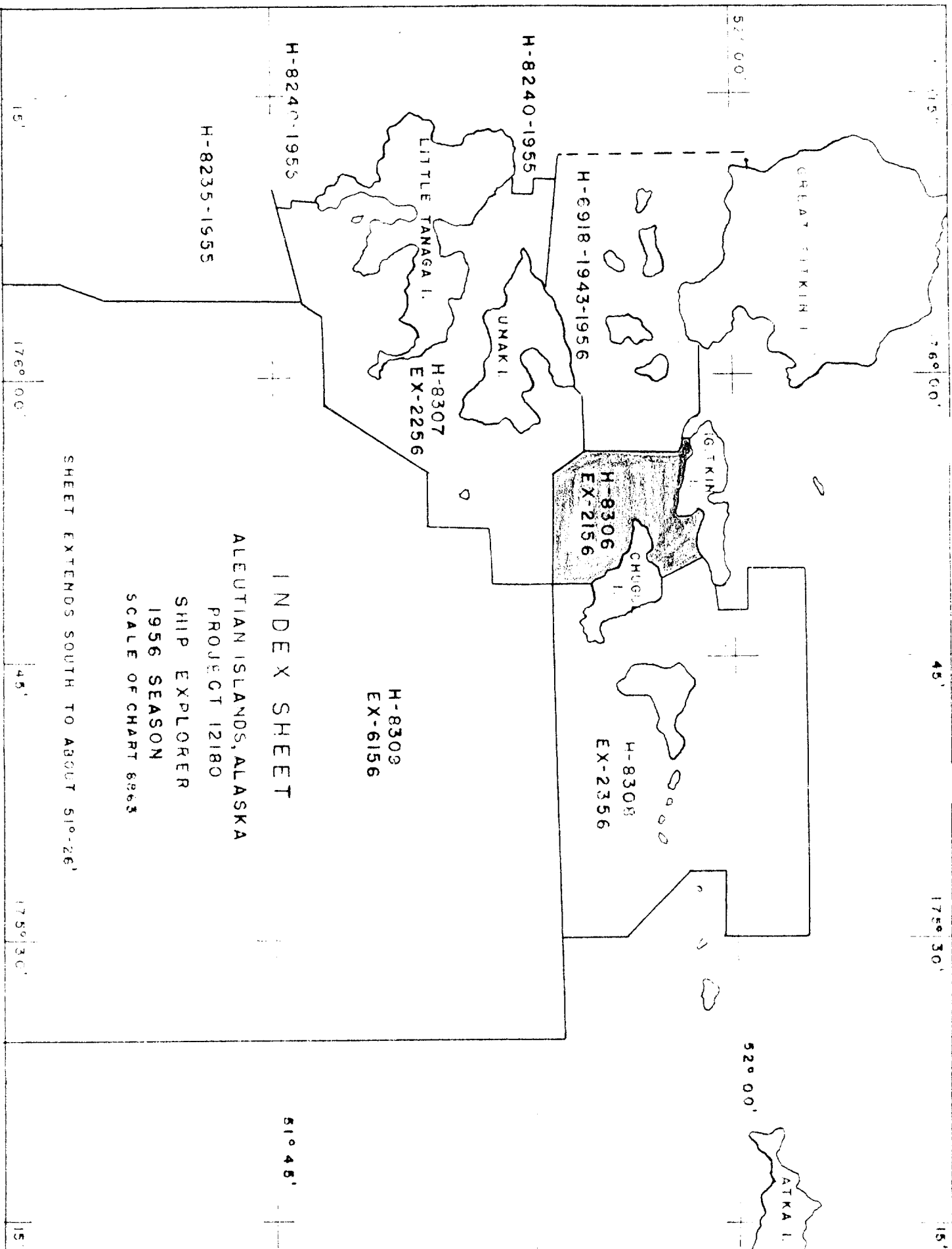
Ernest B. Lewey  
Chief, Division of Charts



Karl B. Jeffers  
Chief, Hydrography Branch



Samuel B. Grenell  
Chief, Division of Coastal Surveys



H-8235-1955

H-8240-1955

H-8240-1955

H-6918-1943-1956

LITTLE TANAGA I.

H-8307  
EX-2256

UMAKI

GREAT SITKIN I.

EGIKINA

H-8306  
EX-2156

CHUGACH I.

H-8308  
EX-2356

H-8309  
EX-6156

INDEX SHEET

ALEUTIAN ISLANDS, ALASKA

PROJECT 12180

SHIP EXPLORER

1956 SEASON

SCALE OF CHART 8863

SHEET EXTENDS SOUTH TO ABOUT 51°-26'

15'

176° 00'

45'

175° 30'

15'

15'

176° 00'

45'

175° 30'

15'

52° 00'

52° 00'

51° 45'

ATKA I.

TIDE NOTE FOR HYDROGRAPHIC SHEET

Chart Division: R. H. Carstens

15 May 1957

Plane of reference approved in  
5 volumes of sounding records for

HYDROGRAPHIC SHEET 8306

Locality Aleutian Islands, Alaska

Chief of Party: G. A. Nelson in 1956

Plane of reference is mean lower low water, reading

2.8 ft. on tide staff at Chugul Island

7.9 ft. below B.M. 1 (1956)

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

Condition of records satisfactory except as noted below:

  
Signature

Chief, Tides Branch

GEOGRAPHIC NAMES

Survey No. 8306

Name on Survey										
	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		
Alaska			(for title)							1
Aleutian Islands			( " " )							2
Andreanof <del>Islands</del>			( " " )						(preferable name)	3
										4
Chugai Island									BGN	5
Chugai Pass									"	6
Igitkin Island									"	7
Igitkin Pass									"	8
Shelter Cove									"	9
										10
										11
										12
										13
										14
Tanager Point			(tide station, off sheet)						BGN	15
										16
										17
										18
										19
										20
										21
										22
										23
										24
										25
										26
										27

Names approved  
5-14-57. L. Heck

Hydrographic Surveys (Chart Division)

HYDROGRAPHIC SURVEY NO. 8306...

Records accompanying survey:

Boat sheets ..2...; sounding vols. ..5...; wire drag vols. ....; bomb vols. ....; graphic recorder rolls 2-Envelopes special reports, etc. .1-Descriptive report and .1-Smooth sheet.

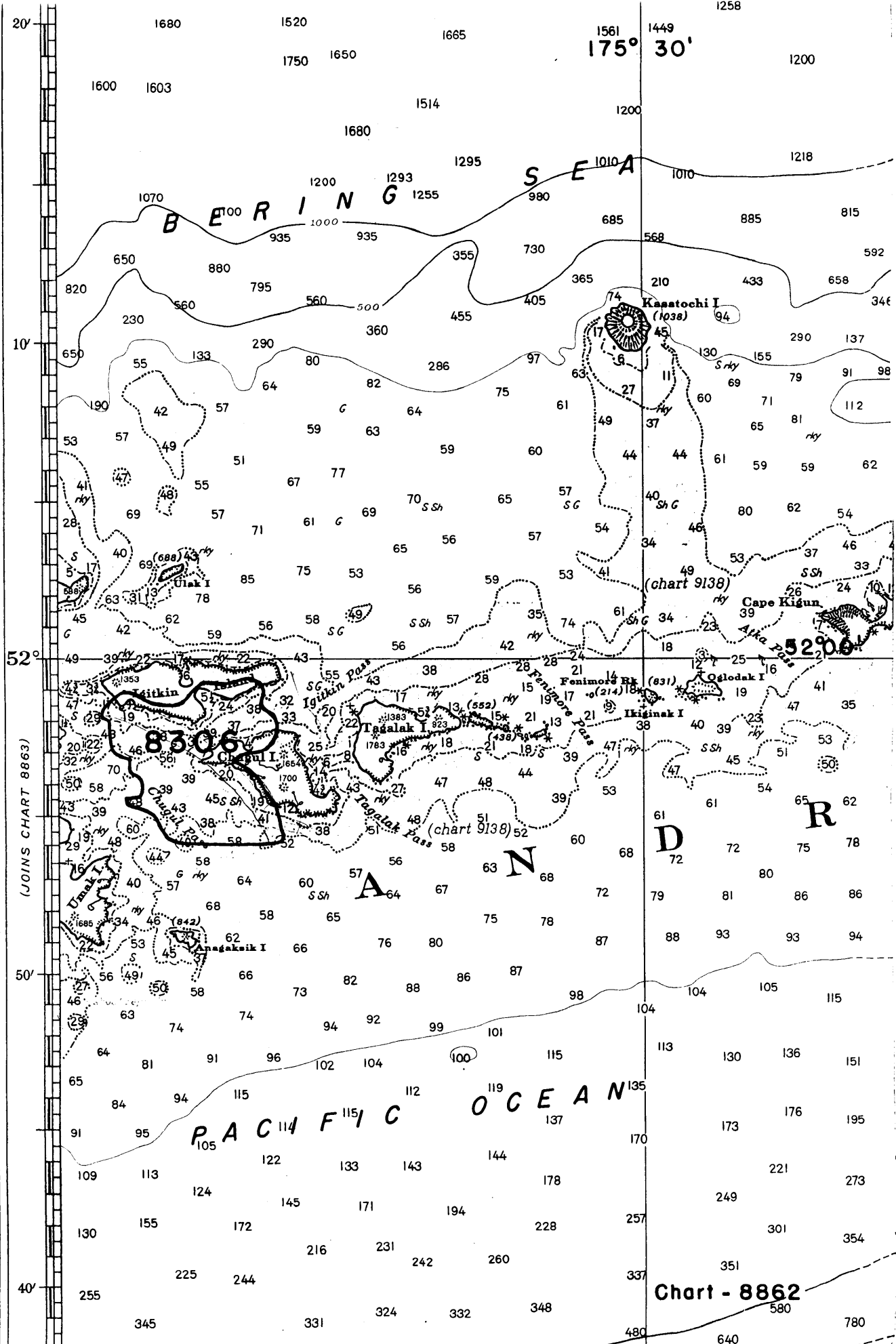
..... see can H-8307 for blackline print T-11549 .....

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

Number of positions on sheet					1222
Number of positions checked					56
Number of positions revised					44
Number of soundings revised (refers to depth only)	Revision & add'n from graph	89	2%		
	Revision of b day phase	97	2.5%		
	Revision of Edo diff.	412	9.0%		
	Total	598	13%		
Number of soundings erroneously spaced					4
Number of signals erroneously plotted or transferred					—
Topographic details	Time	10 hrs			
Junctions	Time	6 hrs			
Verification of soundings from graphic record	Time	9 hrs			

Verification by *Ernest E. Thomas* Total time 12.8 hrs Date 6/6/58

Reviewed by *L. J. Eskind* Time 30 Date 7/8/58



# NAUTICAL CHARTS BRANCH

SURVEY NO. H-8306 1956

## Record of Application to Charts

DATE	CHART	CARTOGRAPHER	REMARKS
5/27/57	9102	Chas Wittmann	<del>Before</del> <sup>BEFORE</sup> After Verification and Review <i>add 37 Examined only 27/6</i>
7-17-58	8863	Chas Wittmann	<del>Before</del> After Verification and Review
4/14/59	9139	Edwards	<del>Before</del> After Verification and Review <i>Partial.</i>
4/24/59	9193	Edwards	<del>Before</del> After Verification and Review <i>Partial</i>
<del>5-11-59</del>	<del>8862</del>	<del>R.K. DeLander</del>	<del>Before</del> After Verification and Review <i>then chart 9193 and chart 8863 Reverts completely appl.</i>
5-14-59	8862	R.K. DeLander	<del>Before</del> After Verification and Review <i>then chart 8863 Reverts completely appl.</i>
3-10-61	9102	Z.M. Albert	<del>Before</del> After Verification and Review <i>via 8862 aug # 6</i>
5-18-61	9140	E. Thomas R.E. Elkins	<del>Before</del> After Verification and Review <i>Partly applied thru ch 9139 aug 8, and H 8306.</i>
7-28-61	9140	R.E. Elkins	<del>Before</del> After Verification and Review <i>Partly applied extensive make revisions.</i>
1-19-66	9139	Carl M. Proszynski	<del>Before</del> After Verification and Review <i>Partly appl thru 9140 part direct (To be considered as final) (application until chart is reconstructed)</i>
2/18/66	9193	John P. Wein	<i>Part. Applied thru Ch. 9139 aug # 9 and Ch. 9140 aug # 5, consider fully applied until reconstruction</i>

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.