8058

Diag. Cht. No. 9400

Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey HYDROGRAPHIC

Field No. ARW-4153 Office No. H-8058

LOCALITY

State_____ALASKA

General locality ARCTIC COAST

Locality ATIGARU POINT TO THETIS ISLAND

194 53

CHIEF OF PARTY

M. G. Ricketts

LIBRARY & ARCHIVES

DATE March 18, 1958

B-1870-1 (1

65-320

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

000

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 8058

Field No. ARW 4153

State	ALASKA
General locality	NORTH ARCTIC COAST
Locality	HERRISON BET ATIGARU POINT TO THETIS ISLAND
Scale	1/ 40 000 Date of survey July- August 1953
Instructions dated	6 Feb. 1951, 3 Feb. 1953
Vessel	ARCTIC FIELD PARTY
Chief of party	MAX G. RICKETTS
	H.R.LIPPOLD, J.B.WATKINSA, R.E.WILLIAMS, L.L.RUNG
Soundings taken by fat	homoter, graphic recorder, hand lead xviro
Fathograms scaled by	JEFFERS, WYSOR, WAGNER, FEDRICK, GRAHAM.
Fathograms checked by	FISCUS, JEFFERS, COLES, NAYAKIK, HEINZ.
Protracted by	R.E.WILLIAMS
Soundings penciled by	CLARENCE E. PEDERSEN
Soundings in fathor	feet at MINN MLLW and are based on a velocity of sound of Boo fm. per second.
REMARKS:	Plotted in Seattle Processing Office.

With C

DESCRIPTIVE REPORT TO ACCOMPANY HYDROGRAPHIC SURVEY H-8058 (FIELD NO. ÁRW-4153) NORTH ARCTIC COAST OF ALASKA - HARRISON BAY PROJECT CS - 320 1953 SCALE 1:40,000

A: PROJECT

Authority for this survey is contained in instructions for Project CS-320 dated 6 February 1951 and supplemental instructions for Project CS-320 dated 3 February 1953.

B: SURVEY LIMITS AND DATES

This survey was accomplished in the vicinity of Harrison Bay on the North Arctic Coast of Alaska. The limits covered by the sheet are from Latitude 70° 32.9, Longitude 150° 16.0, westerly along the southern extremities of Harrison Bay to Atigaru Point, Latitude 70° 33.8, Longitude 151° 43.5, northerly to Latitude 70° 42.0, Longitude 151° 43.5, easterly to Latitude 70° 42.0, Longitude 150° 15.3 and southerly to the starting point in the vicinity of Thetis Island.

This survey was accomplished between 24 July and 26 August 1953. This survey joins that of sheet H-7991"(ARW-4152), on the west and sheets H-7915"(ARE-4151), H-7917(ARE-2251), and H-7918"(ARE-2351) on the east. It is joined by contemporary survey H-8059"(ARW-8153) on the north.

The progress of the 1953 season was retarded by ice conditions which prevailed throughout the area during the early part of the season.

C: VESSELS AND EQUIPMENT

Three shore based launches and one LCM were used for this survey.

The Sub-camp was located at Saktuina Point, 9 miles west of the western most limits of the sheet. Launches No's. 5, 14, 15, and LCM (Goldie)

were used during the 1953 season. These launches are 35-foot Navy rearming boats and a 50-foot landing craft medium adapted for hydrographic surveying.

The turning radius of the rearming boats is 7 to 10 meters at a speed of 7.5 knots. It takes approximately 7 seconds to complete a 90 degree turn. The turning radius of the LCM was 15 meters at a standard speed of 9.0 knots (1500 rpm).

C: VESSELS AND EQUIPMENT (Cont'd)

808J type fathometers equipped with 800fm/sec reeds were used for this survey. The following fathometers were used in their respective launches during the 1953 field season: Launch No. 5, Fathometer No's. 104S and 119S; Launch No. 14, Fathometer No. S166; Launch No. 15, Fathometer No. 126S; ICM (Goldie), Fathometer No. 101S. The fish was rigged outboard on the starboard side of all boats. The limits of the depth covered by the survey were 3 to 57 feet with an average depth of 25 feet.

D: TIDES AND CURRENTS

Tide reducers used for this survey were obtained from portable tide gages installed at Saktuina Point, Oliktok Point, and Pitt Point. With the three gages a continuous record was obtained throughout the season. No time or range factors were applied to the reducers obtained from any of the gages.

There were no current stations observed.

E: SMOOTH SHEET

The smooth sheet was constructed by hand in the Seattle Processing Office. Plotting of control and soundings was done by personnel of the Seattle Processing Office.

F: CONTROL STATIONS

The control stations for the sheet are from triangulation established by Max G. Ricketts, Chief of Party, in 1951 through 1953, with the following exceptions; Stations Bad and Day are Hydrographic Signals located by sextant angles at the respective stations. Hydrographic station Bay was located by sextant angles and one triangulation cut.

TOLA Shown

No computation

in Geodesy

Shoran stations Hal, Sak, Tola, and Het were located by triangulation. Station Tola was originally a photo point but was located by triangulation during 1953. Station Hal was located in 1952 order station by a measured distance on line between triangulation stations POINT, 1951 and HALKETT, 1951. This station was recovered in 1953. Station Sak was erected over intersection station SAKTUI, 1952. Station Het was located in 1951, by a measured distance on the line between triangulation stations THETIS ID. 1951 and EXEC 1951. This station was recovered in 1953.

G: SHORELINE AND TOPOGRAPHY

The shoreline was obtained from nine lens photograph compilations see review for origin of shoreline of the area.

The low water line could not be located due to small range in tide in the area. However, an attempt was made to delineate the 3 foot curve.

H: SOUNDING

An 808J type fathometer with 800 fm/sec reeds was used for soundings. Refer to special report, "Fathometer Report", Arctic West Unit, 1953, submitted under separate cover. filed with H-8059

I: CONTROL OF HYDROGRAPHY

Hydrography was divided into two sections, one of visual control and the other of shoran control.

The visual control was by 3 point fixes using standard hydrographic sextants. Because of inclement weather in the latter part of the season, which held up the visual launch, shoran controlled hydrography was accomplished in the visual area in order to complete the survey before closing the season.

For shoran controlled hydrography, see special report, "Shoran Corrections", submitted under separate cover.

J: ADEQUACY OF SURVEY

Although this survey does not comply strictly with the line spacing specified in the original instructions, it is considered adequate for this coast. Weather and ice conditions did not permit further development of the area. Junctions with adjoining sheets are adequate and depth curves at the junctions can be adequately drawn.

K: CROSSLINES

The percentage of crosslines run is approximately 11% of the total number of miles sounded.

L: COMPARISON WITH PRIOR SURVEYS

There are no prior surveys in this area.

M: COMPARISON WITH CHARTS

A comparison with USC&GS chart No. 9403, dated 52-5/5, has been made and two shoals, one in Latitude 70° 35.0, Longitude 150° 18.0, the other in Latitude 70° 35.2, Longitude 150° 36.0, were not found to exist. Depths of 28 to 32 feet were found in these areas on a gentle sloping bottom.

removed from Arctic Coest Charts 18 and 19

N: DANGERS AND SHOALS

There are two shoals located in the lower extremities of Harrison Bay, found and developed during the 1953 season. An extensive shoal running Southeasterly from Latitude 70° 34.4, Longitude 151° 33.7, to Latitude 70° 31.2, Longitude 151° 2 5.5, was found bare at low tide. A shoal with a least depth of of feet is located at Latitude 70° 32.6, Longitude 151° 24.5.

These shoals are surrounded by comparatively shallow water, averaging 8 feet. Therefore they are not considered to be an important danger to navigation.

O: COAST PILOT INFORMATION

Refer to Coast Pilot Report, Arctic West Unit, 1953.

P: AIDS TO NAVIGATION

Refer to Aids to Navigation Report, Arctic West Unit, 1953.

Q: LANDMARKS FOR CHARTS

Refer to special report Landmarks for Charts, Arctic West Unit, 1953.

R: GEOGRAPHIC NAMES on FILE with 854

Refer to special report Geographic Names, Arctic West Unit, 1953.

S: TABULATION OF APPLICABLE DATA

- I. Attached to this report:
 - 1. List of Signals
 - 2. Statistics
 - 3. Tidal Note
- II. Special Reports previously submitted:
 - l. Coast Pilot Report, Arctic West Unit, 1953.
 - 2. Aids to Navigation, Arctic West Unit, 1953.
 - 3. Landmarks for Charts, Arctic West Unit, 1953.
 - 4. Geographic Names Report, Arctic West Unit, 1953.
 - 5. Fathometer Report, Arctic West Unit, 1953. Filed with H-8059

Respectfully submitted

Wentert O. Lin Herbert R. Lippold

Ensign, USC&GS

APPROVED AND FORWARDED

Max G. Ricketts

Commander, USC&GS

LIST OF SIGNALS

HYDROGRAPHIC SURVEY H-8058 FIELD NO. ARW-4153

SIGNAL	SOURCE
Bad BASE Bay BITE Cap Day	4153, Vol. 1, page 2 KOGRU EAST BASE, 1952 4153, Vol. 1, page 33 & 34 BITE, 1951 1951 Triangulation 4153, Vol. 1, page 2
Drum GARU HOOK IDO LOVE NOR RAN SAK SON TIKE TOLA Hal H et	1951 Triangulation 1952 Triangulation HOOK, 1951 IDONO, 1951 1953 Triangulation NORMA, 1951 RANDOM, 1951 SAKTUI, 1952 HARRISON, 1951 TIKE, 1952 1953 Triangulation 1952 Traverse 1951 Traverse

H 8058 ARW 4153

Alaska

North Arctic Coast.

List of geographic names penciled on smooth sheet.

Beaufort Sea-

Antigaru Point.

Colville River Delta .

Colville River - West Branch.

Tolaktovut Point. -

Elaktoveach Channel -

Kupigruak Channel-

Thetis Island.

Harrison Bay.

The field party applies this name to the inshore waters Between Cape Halkett and Thetis Island. Some of our maps use the name for the bay in the western part of this area between Cape Halkett and Antigaru Point.

According to a B. G.N. decision of 1944, Harrison Bay extends from month of Colville R. to Cape Halkett, centering about 10°40'/151°30' (about as shown on chart 9403) L. H.

STATISTICS

HYDROGRAPHIC SURVEY H-8058 FIELD NO. ARW-4153

LAUNCH NO.	DATE 1953	VOL. DAY	NO. OF POSITIONS	STATUTE MI. SDG.	HAND IEAD
15	7/255	10 a	52 plotted	on H-8059 20.9	0
15	7/26	10 b	7 plotted	on H-8059 2.3	0
15	7/27	10 c	60 [°]	21.5	0
15	7/30	11 d	109	45.8	0
15	7/31	11 & 14 e	9 6	41.7	0
15	8/1	14 f	97	39.1	0
15	<u>.</u> 8/4	14 & 15 g	90	43.5	0
15	8/7	15 h	103	47.5	0
15	8/9	15 & 18 j	140	59.3	0
15	8/10	18 k	94	43.7	0
15	8/11	21 1	33	15.6	0
15	8/13	21 & 22 m	182	83.9	0
15	8/14	22 n	95	41.7	0
15	8/15	22 p	15 plotted	on H-8059	15
15	8/1 6	22 & 25; q	87 ^	36.0	1
15	8/19	25 r	131	59•4	3
15	8/20	26 s	103	45.8	3 3 2
15	8/21	26 t	64	26.8	
	TOTALS		1558	674.5	24
14	7/27	12 a	59	22.8	0
14	7/30	12 b	8 6	37.4	Ō
14	7/31	12 & 13 c	122	53.4	0
14	8/1	13 d	66	28.6	0
14	8/4	13 & 16 e	95	43.0	0
14	8/7	16 f	108	48.1	0
14	8'/9	16 & 17 g	144	61.2	0
14	8/10	17 h	46	20.5	0
14	8/117	17 & 19 j	38	16.3	0
14	8 /1 2	19 k	47	17.8	0
14	8/13	19 & 20 1	180	79.8	0
14	8/14	20 m	85	37.3	0
14	8/15	20 n	12	(SE 440 MI)	12
14	8/16	20 & 23 p	87	37.0	1
14	8/19	23 & 24 q	135	52.9	2
14	8/20	24 r	185	64.3	2
14	8/21	27 s	50	18.4	1
14	8/23	27 t	22	9.2	0
	TOTALS		1567	648.0	18

STATISTICS

HYDROGRAPHIC SURVEY H-8058 FIELD NO. ARW-4153

LAUNCH NO.	DATE 1953	VOL.	DAY LTR.	NO. OF POSITIONS	STATUTE MI. SDG.	HAND LEAD
5	7/24	1	a	56	22.1	1
5	7/25	1	Ъ	73	20.8	0
5 5 5	7/26	1 & 2	С	59	28.9	0
	7/27	2	d	69	27.9	0
5 5	7/28	2	е	26	10.2	0
5	7/30	2 & 3	${\tt f}$	139	55.8	0
5 5 5	7/31	3 3	g	73	38.8	0
5	8/1		h	20	14.0	0
5	8/4	3 & 4	j	107	38.7	0
5 5 5	8/5	4	k	17	7.0	0
5	8/6	4 & 5	1	123	46.1	0
	8/1 0	5	m	128	52.0	0
5 5 5 5 5 5 5	8/13	6	n	104	38.0	0
5	8/14	6 & 7	p	131	50.1	0
5	8/15	7	q	10	3.2	1
5	8/16	7	r	72	35.9	2 2 1
5	8/24	7	s	35 plotted on		2
5	8/26	7	t	6	1.9	1
5	7/31	8 -	u	9_	4.9	0
	TOTALS	5		1257	512.1	7
LCM	7/27	9	a	16	2.1	0
LCM	7/31	9	Ъ	12	4.0	0
LCM	8/1	9	c	49	19.5	0
LCM	8/4	9	đ	23	10.4	0
LCM	8/7	9	е	23	10.0	0
	TOTA	ALS		123	46.0	0

TOTALS FOR SHEET

Number of positions	4505
Statute miles of sounding line	
Number of hand lead soundings	••• 49
Square statute miles of sounding	

TIDAL NOTE

HYDROGRAPHIC SURVEY H-8058 FIELD NO. ARW-4153

The tide gage and staff used to obtain tidal data for this sheet, with the exception of the 24 July, 9 August, and 10 August, was located at Saktuina Point, Latitude 70° 34.8, Longitude 152° 02.7.

MLLW is 1.7 feet above the zero of the tide staff.

The tide gage and staff used to obtain tidal data for this sheet on the 2 4 July, before the Saktuina gage had been put in operation, was located at Pitt Point Camp, Latitude 70° 54.9, Longitude 153° 04.5 and known as Pitt Point No. 2.

MLLW is 2.4 feet above the zero of the tide staff.

The tide gage and staff used to obtain tidal data for this sheet on the 9th and 10th of August when the Saktuina gage was inoperative, was located at Oliktok, Latitude 70° 31.0, Longitude 149° 52.0 and known as Oliktok No. 2.

MLLW is 0.5 feet above the zero of the tide staff.

No tide or range factor corrections were applied to the tidal data for reducing sounding. All marigrams have been submitted to the Washington Office.

IN REPLY ADDRESS THE DIRECTOR
U. S. COAST AND GEODETIC SURVEY
AND NOT THE SIGNER OF THIS LETTER

AND REFER TO NO. 73-mkl

U. S. COAST AND GEODETIC SURVEY WASHINGTON 25

AIR MAIL

4 December 1953

To:

Supervisor, Northwestern District U. S. Coast and Geodetic Survey 705 Federal Office Building Seattle 4, Washington

Subject: Shoreline - Arctic Coast - project Ph-29

In reply to your letter dated 12 November and telegram dated 3 December 1953, 1:20,000 scale ozalid prints are being furnished for the following surveys:

T-9757	T-9764	T-9769
T-9771	T-9773	T-9776
T-9777	T - 9779	

Because of difficulty of reproduction at 1:40,000 scale, contact prints at 1:20,000 scale are being furnished. It is assumed that you will be able to reduce them to the appropriate scale with a reflecting projector.

The prints of T-9765. T-9778 and T-9780 that you now have on hand will be satisfactory for the application of shoreline because no significant changes were made to the shoreline during review.

It is hoped that the prints mentioned in the first paragraph of this letter will be in the mail on 7 December, and you should not forward Arctic field sheet H-8059 until you have applied the shoreline from the topographic surveys.

Acting Director

Sobert Monox

ARW 4153

Processing Office Notes.

Smooth sheet.

The projection was ruled by hand on a cut sheet of paper D 117. To control the shoran arcs points were computed along lines radial to the shoran station and the distances along the radii were subdivided into two statute mile intervals. The distance arcs were swung thru these points.

Crossings. Good.

Irregular depth curves.

In the vicinity of 0.70 36 λ 151 30 the plotter was able to contour convolutions in the two, three and four fathom curves. These ridges and troughs are probably formed by grounded sea ice.

Shoal flats.

There is a shoal strip two or three miles wide between the sounded area and the shore. In the spring when the thaw sets in the Colville River brings ice down its various channels to the face of the delta. Here it meets the sea ice piled up on the shore. The water backs up and forms lakes until the river breaks thru the ice barrier to the sea. This forms channels a few feet deep across the bars. Later in the summer storms fill in these channels again. Winds may alter the inshore depths by two or three feet.

Channels into the delta.

Mr. C.A.J.Pauw made the photo inspection in this area and entered the delta for signal building, etc. The information of this paragraph and the one next above was obtained from him.

The best channels into the delta are the West Channel at meridian 151 05 and the Kupigruak Channel at meridian 150 24. Mr. Pauw has sketched from memory the approximate routes followed. See smooth sheet.chart sections.

He entered the west channel by two routes as shown. The westernmost route was traversed in a dory with an outboard motor drawing about a foot and a half thru water about two feet deep. He passed thru the other route into the West Channel in a launch drawing three and a half feet and that is about all the water there was.

Thru the channel at λ 151 02 he tried to approach and and an and an arm of the specific turned back after going about half way.

Reconnaissanco information see chart sections Shoran station TOLA near λ 150 55 is on a low bank only a few feet high but still the highestnland in this vicinity. There is three feet of water close in to the shore.

With dory and motor he passed into the channel mouth at λ 150 52.

He carried about two feet over the bar into the Elaktoveach Channel at ϕ 70 29 χ 150 48. There is about five feet of water in the channel which can be carried for some distance.

There is about four feet of water in the Kukigruak Channel at ϕ 70 30 λ 150 24, with about twelve feet further inside.

When making the photo inspection Mr. Pauw made notes regarding the channels used or attempted on the face of the photographs. He also made some pole soundings which were shown in the same way. It is recommended that these field inspected photographs be examined for the hydrographic information noted at the time and not dependent on memory.

The wide easternmost channel of the Colville is full of sand bars and might be entered with a dory, dragging it over bars when necessary.

Name.
The field party applies the name Harrison Bay to the inshore waters between Cape Halkett and Thetis Island.
Some of our maps use the name for the bay in the western party of this area, from Cape Halkett to Antigaru Point.

See names sheef.

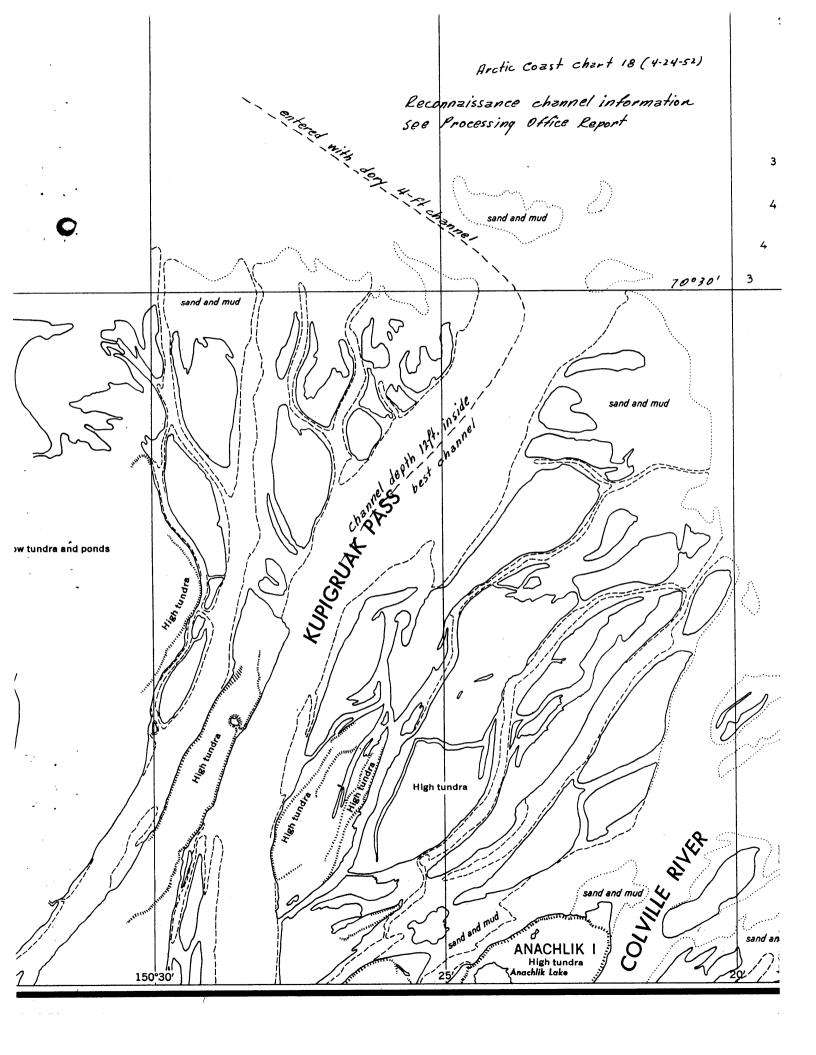
Additional work H 7991 ARW 4152

In volume 7 s-day H 8058 is the record of two lines of additional work on H 7991. It was plotted on linen and will be forwarded with smooth sheet H 8058.

5-day soundings transferred to H-7991

cart. Angr.

(1) All information noted on the field inspection photographs, concerning channels and depths, is shown on the topo manuscripts. Most of the information given in this report, does not appear on the field photographs.



FORM 712
DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY
Rev. Apr. 1950

TIDE NOTE FOR HYDROGRAPHIC SHEET

REVISION XXXX CURSTAL X SHIVEREN

23 March 1954

Division of Charts: R. H. Carstons

Plane of reference approved in 27 volumes of sounding records for

HYDROGRAPHIC SHEET

8058

Locality North Arctic Coast. Alaska

Chief of Party: M. G. Ricketts in 1953 Plane of reference is mean lower low water, reading

1.7 ft. on tide staff at Saktuina Point

11.2 ft. below B. M. 4 (1952)

2.4 ft. on tide staff at Pitt Point

19.2 ft. below B.M. CAMP (1951)

0.5 ft. on tide staff at Oliktok Point

8.7 ft. below B. M. 1 (1951)

Height of mean high water above plane of reference is as follows:

Saktuina Point = 0.7 ft. Pitt Point 0.4 ft.

Oliktok Point 0.7 ft.

Condition of records satisfactory except as noted below:

Chief, Division of Tides and Currents.

	GEOGRAPHIC NAMES	S NA PIOS JEST	. / .
	GEOGRAPHIC NAMES Survey No. H=8058 OF NO	We want to so the sound of the	
	Name on Survey A B C D E F G	/H /K /	
	Alaska		1
. •	Arctic Coast		2
رستيسم	Beaufart Sea	BGY	3
	Harryson Bay Gernote re B.G.N. decis	,	4
	on other name list. Ar	Plies	5
	to Cape Halkett		6
	Atigary Point	·	7
	Colville River Delta	BEN.	8
	Thetis Island		9
-			10
			11
	Elaktoreach Channel		12
	Nachelit Channel (not Colville P. Westbranch)		
	Nachalit Channol (not Colville 18, Wast Dranch)		13
			14
	Nones approved		15
	Names approved 3-31-54. LHECK		16
			17
			18
			19
			20
			21
			22
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			25
			26
			27
			M 234

Hydrographic Surveys (Chart Division)

HYDROGRAPHIC SURVEY NO. H-8058

,	Records accompanying survey:	
•	Boat sheets4; sounding vols27;	wire drag vols;
	bomb vols; graphic recorder roll	s 30 Env.
	special reports, etc. 1 Smooth Sheet; 1 Desc.	riptive Report;
	•••••••••••••••	••••••
	The following statistics will be submitted rapher's report on the sheet:	with the cartog-
	Number of positions on sheet	4505
	Number of positions checked	10 506
	Number of positions revised	.2
	Number of soundings revised (refers to depth only)	11 0
-	Number of soundings erroneously spaced	•••
	Number of signals erroneously plotted or transferred	• • • • •
	Topographic details	Time 8hr.
	Junctions	Time /6hr
	Verification of soundings from graphic record	Time 30hr. 8hr
	Preliminary verification by R.E.Elkins 88 hrs.	6-14-54
ŧ	Verification by Rolf. Herris	me
	Reviewed by P.E.Elkins Tinger Review Addendum 18 14 Millan	me 8hr. Dete 6-14-54.

DIVISION OF CHARTS

REVIEW SECTION - NAUTICAL CHART BRANCH

REVIEW OF HYDROGRAPHIC SURVEY

REGISTRY NO. H-8058

FIELD NO. ARW-4153

Alaska, Arctic Coast, Atigaru Point to Thetis Island

Project No. CS-320

Surveyed - July - Aug. 1953

Scale 1:40,000

Soundings:

. .

-... f i

Control:

808 Fathometer

Shoran Sextant fixes on shore

signals

Chief of Party - Max G. Ricketts
Surveyed by - H. R. Lippold, J. B. Watkins, R.E. Williams, L.L. Runge
Protracted by - R. E. Williams
Soundings plotted by - C. E. Pedersen
Preliminary verification by - R. E. Elkins
Verified and inked by - P.E. Harrison & J.S. Mamillan
Reviewed by - R. E. Elkins 6/14/54
Inspected by - R. H. Carstens

1. Shoreline and Control

The origin of the signals is given in the Descriptive Report. The shoreline is from reviewed photogrammetric manuscripts T-9773, T-9778, T-9779, T-9780 (1947-51) and T-9772, T-9777 (1947-52).

2. Sounding Line Crossings

Depths at crossings are in good agreement.

3. Depth Curves and Bottom Configuration

The usual depth curves are adequately delineated, except for the low-water curve. In accordance with Project Instructions, curves in shoal flat areas were not completely developed.

The bottom is smooth except for minor irregularities northeast of Atigaru Point.

4. Junctions with Contemporary Surveys

Adequate junctions were effected with H-7915, H-7917, H-7918 (1951) on the east, with H-7991 (1952) on the west, and with H-8059 (1953) on the north.

5. Comparison with Prior Surveys

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

6. Comparison with Arctic Coast Chart 18 (drawing 2, 3-29-54)
Arctic Coast Chart 19 (drawing 2, 3-29-54)

A. Hydrography

The charted hydrography is from the present survey before preliminary verification. Minor changes amounting to no more than two feet were made to some inked soundings on the smooth sheet.

B. Aids to Navigation

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

7. Condition of Survey

- a. The sounding records are complete and the Descriptive Report covers the important items of this survey except that no summary of corrections applied to the soundings is included.
- b. The preliminary verification indicated that the smooth plotting was well done.
- c. The preliminary verification of this sheet was confined to crossing discrepancies, critical soundings and depth curve delineation. Soundings in the irregular bottom area northeast of Antigaru Point as well as several lines covering the general area, were verified and inked. Completion of the verification and inking is deferred until some future date, at which time junctional soundings will be transferred and the depth curves will be inked.

8. Compliance with the Project Instructions

This survey adequately complies with the Project Instructions. As mentioned in the Descriptive Report, the line spacing in some areas does not strictly conform to the Project Instructions, however, as no important shoals are revealed by the adjacent hydrography, the development is considered adequate.

9. Additional Field Work

This is a good basic survey and no additional field work is required.

Examined and approved:

H. R. Edmonston Chief, Nautical Chart Branch

Allodonous for

E. R. McCarthy
Acting Chief, Division of Charts

G. R. Fish
Chief. Hydrography Branch

Chief, Hydrography Branch Chief, Division of Coastal Surveys

Addendum Review H-8058 (1958)

Verification and inking byP.	E.	Harriso n	
J.	S.	McMillan	
Review AddendumJ.	S.	McMillan	5/26/65
Inspected byR.			

The verification of this survey has been completed. The soundings and depth curves have been completely inked.

Junctions with Contemporary Surveys

All junctional soundings have been completely inked. Adequate junctions were effected between adjoining contemporary surveys listed in the review of June 14, 1954 and the present survey.

Comparison with Chart 9470 (latest print date 4/16/56)

Chart 9469 (latest print date 4/16/56)

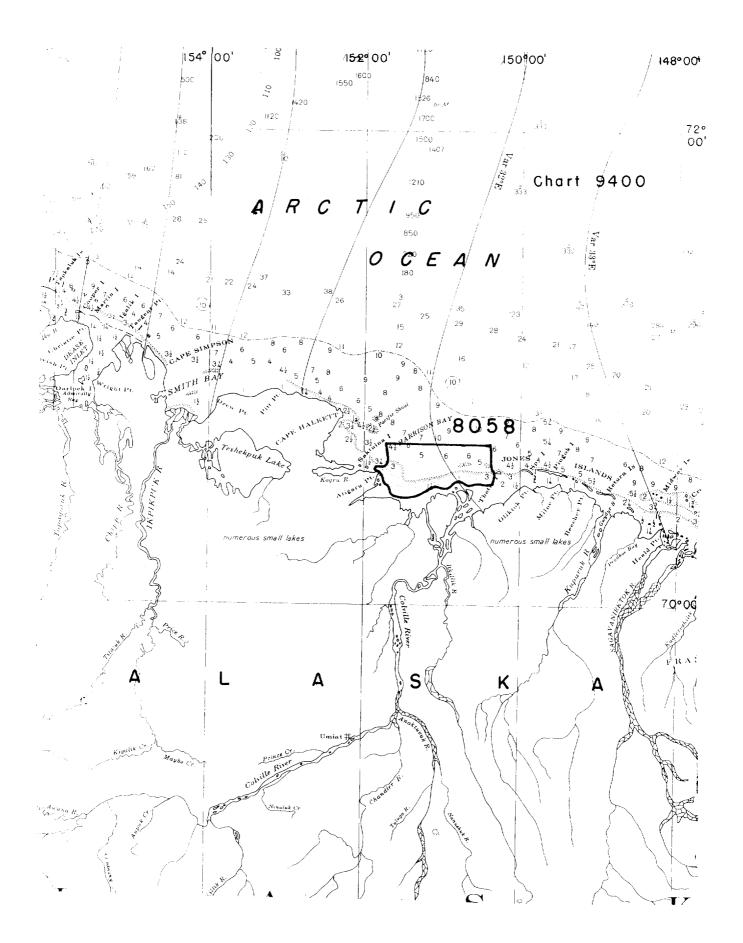
The charted hydrography originates with the present survey, after preliminary verification and review. Charted depths are in agreement with present survey depths.

Condition of Survey

- a. Completion of verification and inking reveals that the smooth plotting was well done.
- b. The Descriptive Report is complete and comprehensive.

Approved:

Lorne G. Taylor Chief, Nautical Chart Division



NAUTICAL CHARTS BRANCH

SURVEY NO. H-8058

Record of Application to Charts

DATE	CHART	CARTOGRAPHER	REMARKS
23 Mac 54	arte #19	Samuet H Bell	Before After Verification and Review Soundary of
11-15-54	· ·	R.K. Du Lawden	Before After Verification and Review
11-16-59	9469	R.K. ale Lawden	Before After Verification and Review
11-19-54	9470	R.K. De Sawler	Before After Verification and Keview
apr'ss	9403	HElliae Ewen	Being After Verification and Review Thru clif 9469.70
			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.