

RESTRICTED

7664

Diag. Cht. No. 9400

Form 504

U. S. COAST AND GEODETIC SURVEY  
DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey HYDROGRAPHIC  
Field No. AR-4248-W Office No. H-7664

LOCALITY  
State ALASKA  
General locality ARCTIC COAST  
Locality AKOLIAKATAT PASS TO WAINWRIGHT  
INLET

194 8-'49

CHIEF OF PARTY

H.A. PATON & R.A. EARLE

LIBRARY & ARCHIVES

DATE 5 JANUARY 1949, 24 JANUARY 1950

B-1870-1 (1)

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

RESTRICTED  
7664

JAN 24 1950

Form 537  
(Ed. June 1946)

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-7664

Field No. AR-4248-W

State ALASKA

General locality Arctic Coast

Locality Akoliakatat Pass to Wainwright Inlet

Scale 1/40,000 Date of survey Sept. 1948, Aug. & Sept 1949

Instructions dated 4 February 1948 and 15 February 1949

Vessel Arctic Shore Party

Chief of party Hubert A. Paton, and R. A. Earle

Surveyed by K.B. Jeffers, V.R. Sobieralski, J.O. Boyer, F.X. Popper,  
J.R. Plaggmier, and D.M. Whipp

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

Fathograms scaled by C. Kuranko, J. Rogaliski, C. Hetherington, H. Hubbard and  
D. Hilditch.

Fathograms checked by party personnel

Protracted by Francis X. Popper

Soundings penciled by Francis X. Popper

Soundings in fathoms feet at ~~MLW~~ MLLW

REMARKS:  
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Descriptive Report  
to Accompany  
Hydrographic Survey H-7664 (Field No. AR-4248-W)  
Akoliakatat Pass to Wainwright Inlet  
Arctic Coast, Alaska

1948

Scale 1/40,000

Hubert A. Paton, Chief of Party

A. Project.- Project CS-320, Supplemental Instructions dated 4 February 1948.

B. Survey Limits and Dates.- This survey extends along the outside coast from Wainwright Inlet to Akoliakatat Pass. The NE limit joins sheets H-7660<sup>(1948-79)</sup> and H-7663<sup>(1948)</sup>. The SW limit joins sheets H-7662<sup>(1948)</sup> and H-7665<sup>(1948-149)</sup>. A junction with sheet H-7661 is made at the eastern entrance to Kasegaluk Lagoon.

Hydrography was started on this sheet on 2 September and ended on 15 September. Work was also done on sheets H-7660, H-7661, and H-7662 between these dates. On 16 September the field season ended due to the formation of ice in the lagoons.

C. Vessels and Equipment.- Launches No.3 and No.5, 35-foot rearming boats, and launch No.2, a 30-foot motor sailor, were used for the survey. The launches were equipped with outboard fish and 808 portable depth recorders Nos. 55-S, 73-S, and 106-S.

Launch No.2 operated from the base camp at Nevat Point. *Not on this sheet*  
Launches No.3 and No.5 operated from a camp established at Wainwright Inlet.

D. Tide and Current Stations.- Tidal information for work west of the eastern entrance to Kasegaluk Lagoon was obtained from the tide station near Nevat Point. The station at Wainwright Inlet was used for work east of the entrance. No corrections for differences in time or height were applied to the observed tides.

No current stations were observed.

Descriptive Report - Hydrographic Survey H-7664

E. Smooth Sheet.- The smooth sheet ~~will be~~ <sup>was</sup> prepared by the Seattle Processing Office.

F. Control Stations.- This survey is controlled by 2nd order triangulation executed by the Arctic Field Party during the 1948 season and signals located by theodolite cuts and sextant fixes.

G. Shoreline and Topography.- The shoreline and topography will be compiled from air-photographs at a later date. No plane table surveys were executed by this party. Field notes were recorded to assist in the identification of control when the area is photographed. *Shoreline applied to smooth sheet in Wash. of. from manuscripts of T-9361-63-64 before review.*

H. Soundings.- All depths were recorded in feet by 808 depth recorders.

I. Control of Hydrography.- All hydrography was controlled by sextant fixes on shore objects.

J. Adequacy of Survey.- The survey is about 40 percent completed. The regular system of sounding lines has been completed to about 1.7 miles offshore from the eastern entrance of Kasegaluk Lagoon to the eastern extremity of the sheet. Two inshore lines have been run from Akoliakatat Pass to the eastern entrance to the lagoon. *Survey completed in 1949*

Junctions with adjoining sheets are satisfactory.

K. Crosslines.- Only one crossline has been run. The check is excellent. *Add. crosslines were run in 1949*

L. Comparison with Prior Surveys.- No prior surveys are available for comparison.

M. Comparison with chart.- Chart 9400 is on too small a scale for a comparison with the inshore work completed.

N. Dangers and Shoals.- Shoals extend out from the two entrances to Kasegaluk Lagoon. The extent of these shoals is not known as they have not yet been developed. *These shoals are adequately developed. (see 1949 work).*

O. Coast Pilot Information.- A Coast Pilot report will be submitted under separate cover for the entire area surveyed in the 1948 season.

Page 3.

Descriptive Report - Hydrographic Survey H-7664

P. Aids to Navigation.- No aids to navigation have been established in the area of this sheet.

Q. Landmarks for Charts.- A list of landmarks has been submitted on form 567.

R. Geographic Names.- A report on geographic names will be submitted for the entire area covered during the 1948 season. 817 ~~10~~

Z. Tabulation of Applicable Data.

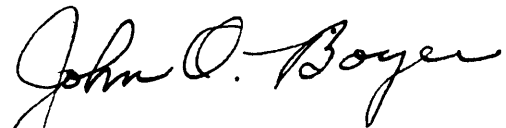
Attached to this report:

- a. Statistics
- b. Velocity Correction Abstract
- c. Tide Note

Special Reports submitted under separate cover:

- a. Geographic Names
- b. Coast Pilot
- c. Temperature and Salinity
- d. Landmarks for Charts.

Respectfully submitted,



John O. Boyer  
Lieut.(j.g.), USC&GS

H-7664 - (AR-4248-W)

WAINWRIGHT INLET TO AKOLIAKATAT PASS

PROCESSING OFFICE NOTES

Smooth Sheet

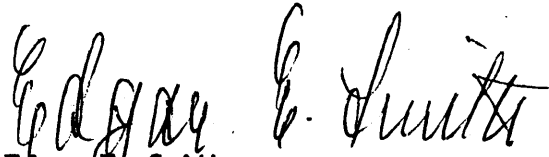
The projection is hand made on "K" & "E" paper, N124H. The triangulation was established and computed by this party during the current season. Hydrographic signals "Bet", "Abe", "Hep", "Ump", and "Rack" were transferred from H-7660. Signals "Cat", "Ear", "Fad", "Yam", "Ben", and "Key", were transferred from H-7661. Signals "Red", "May", "Ham", "Peg", and "Top", were transferred from H-7662. Other signals were obtained from lists of directions made with theodolite. The datum is Barrow Astro of September 1945. No shoreline has been placed on the sheet as none is available. *(Shoreline placed on H-7664 in Wash. office from T-9361-63-64 of 1949. before review.)*

Boat Sheet

This will be returned to the field party. ✓

29 December 1948.

Respectfully submitted,

A handwritten signature in cursive script that reads "Edgar E. Smith". The signature is written in dark ink and is positioned above the typed name and title.

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

1948

Statistics

for

Hydrographic Survey H-7664 (Field No. AR-4248-W)

Date	Vol.	Day Letter	H.L.Sdgs.	No.Pos.	St.Mi.Sdgs.
Launch No.2:					
14 Sept.	4	a (green)	-	43	23.6
Launch No.3:					
2 Sept.	1	a (red)	-	12	3.9
7	1	b	-	101	45.2
8	1	c	-	116	46.3
14	1 & 2	d	-	119	48.2
Totals			0	348	143.6
Launch No.5:					
7 Sept.	3	a (blue)	-	79	29.3
14	3	b	1	130	50.6
15	3	c	***-----	14	4.6
Totals			1	223	84.5
Total for Survey			1	614	251.7

Total Area - 37.0 square statute miles



APPROVAL SHEET

Hydrographic Survey H-7664, (Field No. AR-4248-W)

Frequent inspection of the records and close supervision of the field work were impossible. Sub-parties operated from widely separated camps along the Arctic Coast. The boat sheet and records were examined at the close of the field season and are approved. The survey is about 40 percent complete as noted in the foregoing report. *(Survey completed in 1949).*

The smooth sheet <sup>was</sup> ~~is being~~ plotted at the Seattle Processing Office.

*Hubert A. Paton*  
Hubert A. Paton

Comdr., C. & G. Survey

Chief of Party

JAN 5 1949

Form 537  
(Ed. June 1946)

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-7664

Field No. AR-4248-W

State Alaska

General locality Arctic Coast

Locality Akoliakatat Pass to Wainwright Inlet

Scale 1:40,000 Date of survey September 1948

Instructions dated 4 February 1948.

Vessel Launches Nos. 2, 3, & 5, Arctic Field Party.

Chief of party Hubert A. Paton

Surveyed by K. B. Jeffers, V. R. Sobieralski, and J. O. Boyer

Soundings taken by ~~fathometer~~ graphic recorder, hand level, etc.

Fathograms scaled by C. Kuranko, J. Rogalski, and C. Hetherington.

Fathograms checked by Party personnel

Protracted by Clarence E. Pedersen

Soundings penciled by Carl O. Nyberg

Soundings in ~~fathoms~~ feet at ~~MLLW~~ MLLW

REMARKS:

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.....  
.....  
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87664

SUPPLEMENTARY REPORT TO ACCOMPANY  
HYDROGRAPHIC SHEET NO. AR-4248W, H-7664  
AKOLIAKATAT PASS TO WAINWRIGHT INLET  
ARCTIC COAST OF ALASKA  
AUGUST - SEPTEMBER, 1949  
SCALE: 1: 40,000

Robert A. Earle  
Karl B. Jeffers

Chief of Party  
In charge of Field Work

A: PROJECT This sheet is part of Project GS-320, Basic Surveys along the Arctic Coast of Alaska and was done under authority contained in supplemental instructions dated 4 February 1948 and 15 February 1949.

B: SURVEY LIMITS AND DATES Work was begun on this sheet in 1948 and was returned to the field for completion in 1949. Hydrography was resumed on 16 August 1949 and was discontinued on 1 September 1949. Junctions were made at the eastern limits at Wainwright Pass with sheet H-7663<sup>(1948)</sup> and H-7660<sup>(1948-1949)</sup>, and at the western limits of Akoliakatat Pass with sheet H-7665.

C: VESSEL AND EQUIPMENT Thirty-five foot rearming boats were adapted for use as hydrographic launches. They were equipped with 808 type recording fathometers with outboard fish, TCS-14 radio telephones, and a complete outfit of emergency gear for all personnel. The survey was executed from temporary camps at Wainwright and Icy Cape.

D: TIDE AND CURRENT STATIONS A portable automatic tide gage was established at Wainwright Inlet. Operation of this tide gage was not too successful and it was necessary to have a man read the tide staff during a considerable portion of the hydrography. No current stations were occupied in this area.

E: SMOOTH SHEET Additional work was plotted on the smooth sheet by personnel of the Arctic Field Party.

F: CONTROL STATIONS A new hydrographic signal, station Dog, was established and located by sextant angles at the signal. Also, because of misunderstanding, three signals, Sky, Web and Yak, were used which were off of the west limits of the smooth sheet. (Dog ear containing Sky, Web & Yak removed from sheet)

J: ADEQUACY OF SURVEY This survey could not be extended offshore as far as it was desired on the west portion of the sheet because of poor visibility and rough seas which prevailed the major part of the season. For this reason additional dead reckoning lines were run to locate the 10 fathom curve. The survey is adequate in the area controlled by visual fixes, however, additional work seems indicated in the offshore areas covered only by dead reckoning lines. It is recommended that Shoran be used for any additional work in this area and that such additional work be done by ship. Junctions with adjoining surveys are satisfactory and curves can be adequately drawn with the exception of the one fathom curve along the beach.

K: CROSS LINES The percentage of cross lines is lower than required by the instructions. All crossings are satisfactory.

L: COMPARISON WITH PRIOR SURVEYS There are no previous surveys available for comparison.

M: COMPARISON WITH CHART Chart No. 9400 is the only published chart of this area. The scale is too small for detailed comparison, however, the chart should be changed to reflect the results of this survey.

N: DANGERS AND SHOALS No offshore shoals were disclosed by this survey.

Z: TABULATION OF APPLICABLE DATA

(a) Attached hereto:

1. Tabulation of statistics
2. Tide Notes
3. Velocity of Correction Abstract
4. List of Signals

(b) Special reports submitted under separate covers:

1. Geographic Names
2. Coast Pilot Notes
3. Temperature & Salinity Observations
4. Landmarks for charts

Respectfully submitted.

*Francis X. Popper*  
Francis X. Popper  
Lieutenant, USC&G Survey

1949

SUPPLEMENTARY LIST OF SIGNALS

In addition to those reported last year, the following signals were used.

<u>Name</u>	<u>Source</u>
DOG	Vol.5, page 39
YAK	H-7665
WEB	"
SKY	"

Statistics

for

Hydrographic Survey No. H-7664 (Field No. AR 4248 W)

<u>Date</u>	<u>Day Letter</u>	<u>Vol.</u>	<u>No. Pos</u>	<u>St. Mi. Sdgs.</u>	<u>H.L. Sdgs.</u>
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Launch No. 1.

8-16-49	a	5	52	21.0	0
8-17-49	b	5	62	37.0	1
8-25-49	c	5	78	52.3	0
8-26-49	d	5	32	12.1	1
8-28-49	e	6	<u>105</u>	<u>46.4</u>	<u>3</u>
		Total	<u>324</u>	168.8	5

Launch No. 2.

8-14-49	a	7	23	12.0	0
8-16-49	b	7	69	26.5	0
8-17-49	c	7	67	22.8	0
8-25-49	d	7	<u>60</u>	<u>27.4</u>	<u>0</u>
		Total	<u>219</u>	88.7	0

Launch No. 5.

8-16-49	a	1	87	37.0	0
8-18-49	b	1	93	51.2	0
8-19-49	c	1	41	22.5	0
8-25-49	d	1 & 2	<u>116</u>	60.6	0
8-28-49	e	2	131	55.3	0
8-30-49	f	3	10	5.1	0
8-31-49	g	3	156	71.0	0
9-1-49	h	4	<u>96</u>	<u>50.5</u>	<u>0</u>
		Total	<u>730</u>	353.2	0

Total	Sq. Sta. M.	132.0
	Sta. M. Lines	610.7
	Pos.	1278.
	H.L. SDG	5

VELOCITY CORRECTIONS H-7664

14 July to 27 July 1949.

Fathometer # S 109.

Depth	Corr.
10.0	0.4
17.0	0.2
24.0	0.0
31.0	- 0.2
37.5	- 0.4
44.0	- 0.6
50.0	- 0.8
56.5	- 1.0
63.0	- 1.2
78.0	- 1.5

28 July to 14 September

Fathometer # S 106

Depth	Corr.
10.0	0.8
22.0	0.6
33.5	0.4
43.5	0.2
53.5	0.0
61.0	- 0.2
85.0	- 0.5
109.0	- 1.0

28 July to 14 September 1949.

Fathometer # S 109.

Depth	Corr.
11.0	0.4
22.0	0.2
33.0	0.0
44.0	- 0.2
54.0	- 0.4
66.5	- 0.5
91.0	- 1.0

28 July to September 14 1949

Fathometer # 55 S.

Depth	Corr.
8.5	0.2
21.0	0.0
32.0	- 0.2
42.5	- 0.4
52.5	- 0.6
62.5	- 0.8
79.5	- 1.0
103.5	- 1.5

28th July to <sup>14</sup> September 1949

Fathometer # S 104

Depth	Corr.
4.0	0.6
16.0	0.4
28.0	0.2
38.0	0.0
48.5	- 0.2
58.5	- 0.4
71.0	- 0.5
95.0	- 1.0

*copy done*

TIDE NOTE

Hydrographic Survey H-7664 (Field No. AR-4248-W)

The soundings on this sheet west of the entrance to Kasegaluk Lagoon were reduced to MLLW as determined by staff readings and portable automatic tide gage records at Nevat Point in Kasegaluk Lagoon.

Location of tide station: Lat. 70 15.0, Long. 161 21.8  
Plane of reference: Mean Lower Low Water, 2.3 feet of  
the staff.

The soundings on this sheet east of the entrance to Kasegaluk Lagoon were reduced to MLLW as determined by staff readings and portable automatic tide gage records at Wainwright Inlet.

Location of tide station: Lat. 70 35.9, Long. 160 06.5  
Plane of reference: Mean Lower Low Water, 0.7 feet of  
the staff.



1944

TIDE NOTE  
SHEET NO. H-7664

Station location:

Wainwright, Alaska, Lat. 70 36.0N; Long. 160 07.2 W.  
Point Lay Base Camp, Lat. 69 38.3 N.; Long. 163 08.1 W.

Plane of Reference: Mean Lower Low Water, which is 2.6 feet on the staff at Wainwright and 3.2 feet on the staff at Point Lay Camp.

The soundings recorded on 14 and 17 August were reduced to mean lower low water at the Point Lay Base Camp tide station, all others were reduced to datum at Wainwright.

APPROVAL SHEET

H-7664

It was not possible for the Chief of Party to make frequent inspections of all the widely separated units engaged in hydrographic surveys, such inspections being assigned to the officer in charge of field work in each base camp.

The smooth sheet and records have been examined and approved. The survey is considered adequate for this area.



R. A. Earle  
Lt. Comdr. USC&G Survey  
Chief of Party

RHC

TIDE NOTE FOR HYDROGRAPHIC SHEET

19 January 1949

~~Division of Hydrography and Topography~~

Division of Charts: R. H. Carstens

Plane of reference approved in  
4 volumes of sounding records for

HYDROGRAPHIC SHEET 7664

Locality - Wainwright Inlet to Akoliakatat Pass, Alaska

Chief of Party: H. A. Paton in 1948  
Plane of reference is mean lower low water, reading  
0.70 ft. on tide staff at Wainwright Inlet  
2.6 ft. below B. M. 1 (1948)

Height of mean high water above plane of reference is <sup>0.50</sup>~~0.40~~ feet.

Condition of records satisfactory except as noted below:

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

RHC

TIDE NOTE FOR HYDROGRAPHIC SHEET

~~Division of Hydrography and Topography~~

February 1950

Division of Charts: R. H. Carstens

Plane of reference approved in  
7 volumes of sounding records for

HYDROGRAPHIC SHEET 7664

Locality Wainright Inlet to Akoliakatat Pass, Arctic Coast

Chief of Party: R. A. Earle in 1949

Plane of reference is mean lower low water, reading

2.6 ft. on tide staff at Wainright Inlet

2.6 ft. below B. M. 1 (1948)

3.2 ft. on tide staff at Point Lay

3.2 ft. below B. M. 1 (1949)

Height of mean high water above plane of reference is 0.60 foot.

Condition of records satisfactory except as noted below:

*E. C. McKay*

*Section*

Chief, ~~Division of Tides and Currents.~~

GEOGRAPHIC NAMES

Survey No. **87664**

Name on Survey	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	
	A	B	C	D	E	F	G	H	K							
<u>Alaska</u>																1
<u>Arctic Coast</u>																2
<u>Chukchi Sea</u>																3
																4
<u>Akoliakatat Pass</u>																5
<u>Kasegaluk Lagoon</u>																6
<u>Pingorarak Pass</u>																7
<u>Miliktavik</u>																8
																9
<u>Wainwright Inlet</u>																10
																11
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																27

(for title)

(This name applies to area of Arctic Ocean south of a line from Pt. Barrow to Wrangell Island)

USGB

(Names Report for this area listed this name, but did not state whether it is now inhabited: in any event, it is to be considered as a locality name)

Names underlined in red are approved. 8/25/49 L. Heck

L.H.

Hydrographic Surveys (Chart Division)

HYDROGRAPHIC SURVEY NO. **H7664**

Records accompanying survey:

Boat sheets .....; sounding vols. ...<sup>4</sup>.; wire drag vols. ....; bomb vols. ....; graphic recorder rolls <sup>4</sup> enval. special reports, etc. List of Hydro. Sea Notes. (Filed under H-7660).  
.....

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

Number of positions on sheet	.....	<i>614</i>
Number of positions checked	.....	<i>170</i>
Number of positions revised	.....	<i>1</i>
Number of soundings revised (refers to depth only)	.....	<i>17</i>
Number of soundings erroneously spaced	.....	<i>57</i>
Number of signals erroneously plotted or transferred	.....	
Topographic details	Time	.....
Junctions	Time	.....
Verification of soundings from graphic record	Time	.....

Verification by... *A. J. Clark* ..... Total time *.74 Hours* Date *8-29-49*

Reviewed by... *L. M. Zerkind* ..... Time *\** ..... Date .....

*\* see statistic sheet 1949-work*

Hydrographic Surveys (Chart Division)

HYDROGRAPHIC SURVEY NO. H-7664 (1949 Wk.)

Records accompanying survey:

Boat sheets .3...; sounding vols. 7.....; wire drag vols. ....;  
 bomb vols. ....; graphic recorder rolls <sup>14 envel.</sup>.....;  
 special reports, etc. ....  
 .....

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

Number of positions on sheet		1278	.....
Number of positions checked		225	.....
Number of positions revised		15	.....
Number of soundings revised (refers to depth only)		26	.....
Number of soundings erroneously spaced		21	.....
Number of signals erroneously plotted or transferred		—	.....
Topographic details	Time	—	.....
Junctions	Time	32	.....
Verification of soundings from graphic record	Time	20	.....
Verification by <i>E. J. Farley</i> .....	Total time	200	..... Date July 14, 1950
Reviewed by <i>I. M. Zeskind</i> .....	Time	34	..... Date 10-9-50

DIVISION OF CHARTS

REVIEW SECTION - NAUTICAL CHART BRANCH

REVIEW OF HYDROGRAPHIC SURVEY

REGISTRY NO. H-7664

FIELD NO. AR-4248

Alaska, Arctic Coast, Akoliakatat Pass to Wainwright Inlet  
Surveyed in September 1948 - September 1949 Scale 1:40,000  
Project No. CS-320

Soundings:

Control:

808 Fathometer

Sextant fixes on shore signals

Chief of Party - H. A. Paton and R. A. Earle  
Surveyed by - Ships' Officers  
Protracted by - F. X. Popper  
Soundings plotted by - F. X. Popper  
Verified and inked by - E. G. Yearley  
Reviewed by - I. M. Zeskind, 9 October 1950  
Inspected by - R. H. Carstens

1. Shoreline and Control:

The shoreline originates with the manuscripts of air-photographic surveys T-9361, T-9363 and T-9364 of 1949 before review.

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

2. Sounding Line Crossings

Depths at crossings are in good agreement.

3. Bottom Configuration and Depth Curves

The usual depth curves are adequately delineated.

Inshore in depths less than 36 ft. there are numerous irregularities in the bottom which are caused principally by the gouging of grounded ice. Offshore from these depths the bottom is fairly smooth except for occasional irregularity.



4. Junctions with Contemporary Surveys

Adequate junctions were effected with H-7662 (1948) and H-7665 (1948-49) on the west, H-7661 (1948) in Pingorarok Pass, H-7663 (1948) on the northeast and H-7660 (1948-49) in Wainwright Inlet. Charted depths at the offshore limits of the present survey are in adequate agreement with the present depths.

5. Comparison with Prior Surveys

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

6. Comparison with Arctic Coast Chart 4 (Latest print date 3/6/50)

Chart 5	"	"	"	3/27/50
Chart 6	"	"	"	3/27/50
Chart 9402	"	"	"	5/8/50

A. Hydrography

These preliminary charts were compiled from the present survey before verification. Several minor 1-2 ft. corrections have been made to the smooth sheet soundings during verification and review.

The source of the 24-ft. sounding shown on Arctic Coast Chart No. 6 in lat. 70° 20.98', long. 161° 04.60', could not readily be ascertained. This sounding was probably applied in error to the compilation of the chart and should be disregarded. The present survey shows a detached 24-ft. shoal 350 meters to the eastward.

B. Aids to Navigation

No aids to navigation are charted in the area of this survey.

7. Condition of the Survey

- a. The field plotting was accurately done.
- b. The sounding records and Descriptive Report are complete and comprehensive.
- c. As noted in paragraph J (1949) of the Descriptive Report poor visibility and rough seas prevented adequate off-shore development to the 60-ft. curve in the western portion of the survey.


8. Compliance with Project Instructions


This survey adequately complies with the Project Instructions except as noted in paragraph 7c.


9. Additional Field Work Recommended


This is an excellent basic survey, except as noted in paragraph 7c, page two. Additional work in this offshore area is recommended when its accomplishment is practicable.

Examined and approved:

  
H. R. Edmonston  
Chief, Nautical Chart Branch

  
R. W. Knox  
Chief, Division of Charts

  
L. S. Hubbard  
Chief, Section of Hydrography

  
W. M. Scaife  
Chief, Division of Coastal Surveys

# NAUTICAL CHARTS BRANCH

SURVEY NO. H. 7664

## Record of Application to Charts

DATE	CHART	CARTOGRAPHER	REMARKS
Feb, 1949	Arctic Coast #6	M. M. Rogus	Before <del>After</del> Verification and Review
7/49	9400	Risegari	Before <del>After</del> Verification and Review <i>Added this Arctic Chart #4, #5.</i>
Mar 1950	9402	C. R. Wittmann	Before <del>After</del> Verification and Review <i>from Arctic Coast Chts 4, 5, 6 almost entirely - stopman</i>
			Before After Verification and Review
			Before After Verification and Review
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			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.

# NAUTICAL CHARTS BRANCH

SURVEY NO. H-7664 (1949 Wk.)

## Record of Application to Charts

DATE	CHART	CARTOGRAPHER	REMARKS
<i>Mar 1950</i>	<i>9402</i>	<i>C.R.W.</i>	<del>Before</del> <del>After</del> Verification and Review <i> thru Arctic Coast</i> <i> Chts 4, 5, 6 almost entirely.</i>
<i>7 Dec 54</i>	<i>9459</i>	<i>James H Bell</i>	<del>Before</del> <del>After</del> Verification and Review <i> Completely Applied</i>
<i>14 Dec 54</i>	<i>9460</i>	<i>James H Bell</i>	<del>Before</del> <del>After</del> Verification and Review <i> Completely Applied</i>
<i>17 Dec 54</i>	<i>9461</i>	<i>James H Bell</i>	<del>Before</del> <del>After</del> Verification and Review <i> Completely Applied</i>
			<del>Before</del> <del>After</del> Verification and Review
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			<del>Before</del> <del>After</del> 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.

Applied to Artic Coast { no  $\frac{4}{6}$  before verification. 1/26/50 lat/lon (1944 wk)

1944

1944