

4642

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Form 504	
DEPARTMENT OF COMMERCE	
U. S. COAST AND GEODETIC SURVEY	
..... Director	
State: SE. Alaska	
DESCRIPTIVE REPORT	
<i>Topographic</i> <i>Hydrographic</i>	} Sheet No. 4642
LOCALITY	
North of Icy Point	
Grillon Glacier to Vicinity	
of Lituya Bay	
1926	
CHIEF OF PARTY	
A.M. Sobieralski	

Descriptive Report  
To Accompany Hydrographic Sheet No.

Outer Coast, North of Icy Point between  $\Delta$  Glacier and  $\Delta$  dd

Hydrography executed under orders dated Feb. 12, 1926 to the  
Commanding Officer of the Str. Surveyor

GENERAL DESCRIPTION

The coast consists of sand beach with boulders scattered about, and the sand is wooded to within a short distance of the high water line. The portion of the coast from  $\Delta$  Gun to  $\Delta$  dd is made up of ledge rock. From  $\Delta$  Glacier at the southern limit of the sheet the shore line trends northwestward.

LANDMARKS

About 1,000 meters east (true) of  $\Delta$  Emo and 400 meters north (true) of  $\odot$  Fun there is a conspicuous bare cliff. It is gray in color, about 100 feet high and 300 meters long, and serves as a landmark for inshore navigation. Crillon Glacier at the southern limit of the sheet can be seen for several miles off-shore.

The small bight just east (true) of  $\Delta$  South River offers very little protection to small <sup>boats</sup> from northern weather. A traverse camp was maintained at this place, and all landings were made on the north side of the bight.

There is a sandy bottom along this coast and the shore line is subject to change, with the exception of the part indicated as ledge rock on the topographic sheet.

The twenty fathom curve is nearly parallel to the high water line and about 1,900 meters off-shore. There are no off-lying dangers. There are some rocks very close to shore, and a sunken rock located by the hydrographic party,  $135^{\circ} 30'$  (true), 1,096 meters from  $\Delta$  South River.

STATISTICS

Day	Boat	To & From Wkg. Grds.	Miles Sdg. line	No. Sdgs.	No. Pos.
a	# 3	1	28.0	402	164
b	"	1/2	22.7	358	158
c	"	1-1/2	38.5	514	248
		<u>3.0</u>	<u>89.2</u>	<u>1274</u>	<u>570</u>

Respectfully submitted,

E. H. Kirsch  
E. H. Kirsch  
Aid, C & G Survey

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

AND REFER TO No. 11-DRM

DEPARTMENT OF COMMERCE  
U. S. COAST AND GEODETIC SURVEY

WASHINGTON

September 12, 1927.

SECTION OF FIELD RECORDS

Report on Hydrographic Sheet No. 4642

Crillon Glacier to Vicinity of Situya Bay, Alaska

Surveyed in 1926

Instructions dated February 12, 1926 (SURVEYOR)

Chief of Party, A. M. Sobieralski.

Surveyed by A. P. Ratti, W. D. Patterson.

Protracted and soundings plotted by E. H. Kirsch.

Verified and inked by W. H. Sewell.

1. The records conform to the requirements of the General Instructions with the exception that soundings were generally entered to the nearest half fathom and in a great many cases to the nearest fathom. This not only applies to deep soundings but to depths below five fathoms as well and is probably due to the use of a hand sounding machine throughout the work. It would seem that on an inshore sheet like this the hand lead would be preferred.
2. The plan and character of the survey conform to the requirements of the General Instructions.
3. The plan and extent of development satisfy the specific instructions except that the lines in many cases do not appear to have been carried close enough inshore. This may have been due to the use of a large launch.
4. None of the curves inside the 5 fathom curve could be completely drawn.
5. The usual field plotting was completed by the field party and was well done.
6. The junctions with the adjacent surveys will be taken up when these sheets are reviewed.
7. There are no indications of dangers outside the 5 fathom curve. The bottom is fairly uniform and no additional work is necessary within the limits of this survey.

8. Character and scope of surveying - good.  
Field drafting - very good.
9. Reviewed by A. L. Shalowitz, September, 1927.

Approved:

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Chief, Section of Field Records (Charts)

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Chief, Section of Field Work (H. & T.)

June 8, 1927.

(11)

Division of Hydrography and Topography:

Division of Charts:

Tide reducers are approved in  
2 volumes of sounding records for

HYDROGRAPHIC SHEET 4842

Locality: ALASKA, OUTER COAST, NORTH OF ISK POINT.

Chief of Party: A. M. Sobieralski, 1926.

Plane of reference is M L L W  
6.2 ft. on tide staff at Sitka.

Condition of records satisfactory except as checked below:

1. Locality and sublocality of survey omitted.
2. Month and day of month omitted.
3. Time meridian not given at beginning of day's work.
4. Time (whether A.M. or P.M.) not given at beginning of day's work.
5. Soundings (whether in feet or fathoms) not clearly shown in record.
6. Leadline correction entered in wrong column.
7. Field reductions entered in "Office" column.
8. Location of tide gauge not given at beginning of each day's work.
9. Leadline corrections not clearly stated.
10. Kind of sounding tube used not stated.
11. Sounding tube No. entered in column of "Soundings" instead of "Remarks".
12. Legibility of record could be improved.
13. Remarks.

*G. L. de*

Chief, Division of Tides and Currents.

DEPARTMENT OF COMMERCE  
U. S. COAST AND GEODETIC SURVEY

REG. NO.

HYDROGRAPHIC TITLE SHEET

4642

The Hydrographic Sheet should be accompanied by this form, filled in as completely as possible, when the sheet is forwarded to the Office.

Field No. ....

REGISTER NO. **4642**

State S. E. Alaska

General locality North of Icy Point

Locality Grillon Glacier to Vicinity of Lituya Bay  
~~Between Glacier and Ad~~

Scale 1:20,000 Date of survey Sept. 1926 <sup>9-22</sup> 192

Vessel Str. SURVEYOR

Chief of Party A. M. Sobieralski

Surveyed by A. P. Ratti W. D. Patterson

Protracted by E. H. Kirsch

Soundings penciled by E. H. Kirsch

Soundings in fathoms ~~feet~~

Plane of reference Sitks. 6.2 ft.

Subdivision of wire dragged areas by .....

Inked by .....

Verified by .....

Instructions dated Feb. 12 1926

Remarks: .....

Applied to chart 8402. J.A.M.