

4172

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Form 504	
DEPARTMENT OF COMMERCE	
U. S. COAST AND GEODETIC SURVEY	
State: <u>SE Alaska</u>	
11-5613	
DESCRIPTIVE REPORT.	
Topographic	Sheet No. <u>4172</u>
LOCALITY:	
<u>Chichagof I. - W. Coast</u>	
<u>Slocum Pt. to Khaz Bay</u>	
1925	
CHIEF OF PARTY:	
<u>A.M. Sobieralski</u>	

chart	date	
8248	2/19/74	applied shoreline offshore rocks, reef and ledge -

1

DESCRIPTIVE REPORT.

to accompany

TOPOGRAPHIC SHEET NO. 4172

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Slocum Point to Khaz Bay.

Chichagof Island, S. E. Alaska.

August - September, 1925.

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Scale-1:20000

Instructions dated February 4, 1925.

A. M. Sobieralski

Chief of Party.

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DESCRIPTIVE REPORT

to accompany

TOPOGRAPHIC SHEET NO. \_\_

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Slocum Point to Khaz Bay,

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August - September, 1925.

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Instructions dated February 4, 1925.

A. M. Sobieralski

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Chief of Party.

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DESCRIPTIVE REPORT  
to accompany

TOPOGRAPHIC SHEET NO. \_\_

EXTENT: This sheet embraces the outside coast of Chichagof Island from a point  $1\frac{1}{2}$  miles southeast of Slocum Point northward around Khaz Head to a point on the southwest shore of Slocum Arm, and includes the islands reaching from Khaz Head to Khaz Bay.

LAND FORMATION: The mainland of Chichagof Island at this point consists of very steep mountain masses, rising abruptly from the shore line to heights of over 2000 feet. The presence of shoal water, many rocks, and islands, at considerable distances from the shore line, indicate that extensive erosive action has been performed by the ocean in this vicinity, advancing the shoreline far into the original land masses. The rock met with in this region is almost wholly slate, shale, and soft traprock. The islands have no appreciable elevation. The islands are heavily wooded, as well as on the lower slopes of the mountains, where not too steep to support vegetation.

LANDMARKS: Khaz Head, a sharp bare peak, forms a good landmark, and is fairly prominent. There are no other commanding objects. Such features as are worthy of note are described in the Coast Pilot.

METHOD AND CONTROL: Several earlier triangulation stations were recovered, furnishing sufficient known points to control adequately the work. A number of traverse lines were run between control points. The closure errors being small, and such errors being distributed in the field. A great many points, especially the off-lying rocks and breakers, were located by intersection lines on the sheet, while a few were located by sextant cuts or fixes.

The entire area covered by this sheet has been surveyed before, that part north of Khaz Point having been surveyed in 1906 by *E. F. Dickens*, and the remainder in 1897 by E. K. Moore. North of Khaz Point the work in general required little correction beyond careful detailing of the nature and characteristics of islets, rocks, and breakers. A few missing details were supplied. While the whole area was covered, dependence to some extent was placed on the previous work insofar as some minor irregularities of the shore line were repeated as shown. South of Khaz Point the entire shoreline was resurveyed, great differences being obtained between the present and the older work. On this exposed shore, due to rough weather and the consequent turbulence of the shoal waters, working was very difficult. It is known that there are many breakers within  $\frac{1}{2}$  mile of this shore, which show only in heavy weather, that could not be located. In fact, it is presumed that there are many areas of this region where the waves break indiscriminately, due to shallow water. A note on the sheet covers this situation. Throughout this work careful examination of every feature shown on previous work was made, and represented in its true condition. This involves the deletion of a few rocks previously shown incorrectly.

GEOGRAPHIC NAMES: The only names added to the area are Khaz Point and Piehle's Passage, both in local use.

RECOVERABLE HYDROGRAPHIC SIGNALS:

(Name)	(Lat)	(DM)	(Long)	(DP)	(Description)
Rus	57 28	170	135 58	217	Peak of rock.
Wal	57 28	1220	135 58	536	Point of land.
Eel	57 30	625	136 01	485	Pinnacle north end of rock.
Head	57 30	1535	136 00	358	Sharp peak.
Bull	57 31	132	136 02	304	Peak of rock.
Hav	57 31	361	136 01	982	Peak of rock.
Dan	57 31	720	136 01	985	East end of rock.
Bush	57 31	1389	136 01	583	Highest scrub tree on rock.
Pen	57 32	1392	136 02	84	Peak of rock.
Car	57 32	1100	136 02	873	Point of island.
Ban	57 32	1242	136 02	649	Point of island.
Em	57 33	77	136 04	474	Peak of rock.
Jo	57 33	1575	136 04	484	Point of land.
Has	57 33	1714	136 04	602	Peak of rock.
Ed	57 33	637	136 03	882	Point of land.

Respectfully submitted

*E. B. Roberts.*

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Jr. H. & G. Engineer.

DEPARTMENT OF COMMERCE  
U. S. COAST AND GEODETIC SURVEY

TOPOGRAPHIC TITLE SHEET

The finished Topographic Sheet is to be accompanied by the following title sheet, filled in as completely as possible, when the sheet is forwarded to the Office.

U. S. Coast and Geodetic Survey.

Register No. 4172

4172

State . S. E. Alaska . . . . .  
General locality . ~~West Coast of Chichagof Island~~ W. Coast  
Locality . Slocum Point to Khaz. Bay. . . . . .  
Chief of party . A. M. Sobieralski . . . . .  
Surveyed by . E. B. Roberts . . . . .  
Date of survey . Season, 1925 . . . . .  
Scale . . 1-20,000. . . . . .  
Heights in feet above Mean High Water. . . . . .  
Contour interval 100 . feet.  
Inked by . . E. B. R. . Lettered by E. B. R. . . . . .  
Records accompanying sheet (check those forwarded): Photographs,  
Descriptive report, Horizontal angle books, Field computations,  
Data from other sources affecting sheet . . . . .

Remarks: