

4170

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Form 504	
DEPARTMENT OF COMMERCE	
U. S. COAST AND GEODETIC SURVEY	
State: <u>SE. Alaska</u>	
21-5613	No.
DESCRIPTIVE REPORT.	
Topographic	Sheet No. <u>4170</u>
LOCALITY:	
<u>Chichagof I. - W. Coast</u>	
<u>Porcupine Is. to Vic. of Pt. Urey</u>	
<u>and Ilin Bay</u>	
<u>1925</u>	
CHIEF OF PARTY:	
<u>A.M. Sobieralski</u>	

G. & G. SURVEY  
L. & A.

## DEPARTMENT OF COMMERCE

U. S. Coast and Geodetic Survey

E. Lester Jones, Director

## DESCRIPTIVE REPORT

to accompany

TOPOGRAPHIC SHEET NO. \_\_\_\_\_

S. E. Alaska  
West Coast Of Chichagof Island  
Ilin Bay and Porcupine Hbr.

Scale 1-10,000

S E A S O N 1925

Steamer Surveyor

A. M. Sobieralski, Com'd

TOPOGRAPHIC REPORT TO ACCOMPANY SHEET NO. 5 (Field No.)

Register No. \_\_\_\_\_

The area on this sheet extends from Bertha Bay and Porcupine Islands to include Pt. Urey and contains Ilin Bay and Porcupine Harbor.

- GENERAL DESCRIPTION -

The shoreline is rocky and unusually steep. The trees are mostly spruce with some fir. The mountains are around 2000 feet and line from one to two miles from shore, the outlying land being low and rolling.

- DETAIL DESCRIPTION -

Porcupine Islands, so named from the shape of the outer one, are a group wooded islands with bare rocks and reefs extending a half mile towards the sea. The largest of the group 500 meters across is 190 feet high. It is being used by a fox rancher who lives here the whole year.

Bertha Bay is bight in the shore line about 1 mile <sup>east</sup> ~~west~~ of Porcupine Islands and has practically no protection from the ocean swell. The bay is rocky at the head and is very foul. Even small boats must keep at least 600 meters from the shore. The beach is rocky and landings at the hot springs can be made in smooth weather only.

White Sulphur Springs is a small hot springs located on the north shore of Bertha Bay. There is a small bath house and three cabins, one of which is occupied. The party tried to locate the trail leading to Mirror Harbor but could not find it. It had probably been obliterated thru disuse as there is no one living at Mirror Harbor.

Bahia de las Islas, name obtained from old issue of Coast Pilot, is formed by Porcupine Islands and by Pt. Urey. It is one mile in diameter and has numerous narrow inlets on the northern side, most of which have shoal water and rocks at the entrances.

Porcupine Harbor makes off the northeastern portion of Bahia de las Islas and is 650 meters in diameter. There is a wooded island about 90 feet high and 170 meters wide across the entrance. The southern channel is wider and clear and 110 meters in width. There is a waterfall at the head which is about 10 feet high.

The sunken rock 300 meters west and a little north of the waterfalls must be watched for in anchoring.

TOPOGRAPHIC REPORT TO ACCOMPANY SHEET NO. 5 (Field No.)

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Ilin Bay is a half mile long, irregular shaped with small islands and rocks along the shores. The bay is exposed from the south and unsafe except for small boats.

North Mt.

- SURVEY METHODS -

The area was surveyed by plane table traverse and triangulation. The traverse checks were unusually good; in no case over 5 meters.

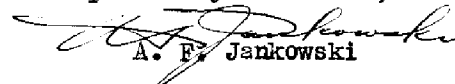
The section around Ilin Bay was resurveyed because of the large discrepancy which amounted to 145 meters at the end of the old survey. Also there were a few additional rocks which were not shown in the old survey. There was found one island in the old work which does not exist. A few new rocks were found and they are noted as "New Rocks" on the sheet. The old shoreline was on the topographic sheet so that comparison was made as the work progressed.

At the southern end the survey was begun from the triangulation station Bertha. The rocks and small islands off Skinner Island were found to check <sup>well</sup> good and no revision was necessary.

- LIST OF PLANE TABLE POSITIONS -

<u>Object</u>	<u>Lat.</u>	<u>Sec-Meters</u>	<u>Long</u>	<u>Sec-Meters</u>	<u>Remarks</u>
Tree	57 - 49	1365	126 - 23	199	Lone tree on Island.

Respectfully submitted,

  
A. F. Jankowski

Aid, C. & G. Survey.

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.

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U. S. Coast and Geodetic Survey.

Register No. 4170

State . . S. E. Alaska . . . . .

General locality . . Chichagof I. - W. Coast  
~~West Coast of Chichagof Island~~

Locality . . Porcupine Is. to Vic. of Pt. Urey and Ilin Bay  
~~Ilin Bay and Porcupine Harbor~~

Chief of party . . . A. M. Sobieralski . . . . .

Surveyed by . . . A. F. Jankowski . . . . .

Date of survey . . Season 1925 . . . . .

Scale . . 1-10,000 . . . . .

Heights in feet above . . Mean High Water . . . . .

Contour interval . 100 . . feet.

Inked by . . . A. F. J. . Lettered by . . A. F. J. . . . .

Records accompanying sheet (check those forwarded): Photographs,

Descriptive ~~report~~ <sup>✓</sup> report, Horizontal angle books, Field computations,

Data from other sources affecting sheet . . . . .

Remarks: