DEPARTMENT OF COMMERCE
U.S. COAST AND GEODETIC SURVEY

State: S.E. Alaska

DESCRIPTIVE REPORT.
Topographic Sheet No. 4170

LOCALITY:
Chichagof I. - W. Coast
Porcupine Is. to Vic. of Pt. Urey and Ilin Bay

1925

CHIEF OF PARTY:
A.M. Sobieralski
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

SEASON 1925

Steamer Surveyor A. M. Sobierski, Com'd
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 right in the shore line about 1 mile 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 500 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.
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 good and no revision was necessary.
- LIST OF PLANE TABLE POSITIONS -

<table>
<thead>
<tr>
<th>Object</th>
<th>Lat.</th>
<th>Sec-Meters</th>
<th>Long</th>
<th>Sec-Meters</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tree</td>
<td>57 - 49</td>
<td>1365</td>
<td>126 - 23</td>
<td>199</td>
<td>Lone tree on Island.</td>
</tr>
</tbody>
</table>

Respectfully submitted,

A. F. Jankowski

Aid, O. & 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.

U. S. Coast and Geodetic Survey.

Register No. 4170

State . S. E. Alaska

General locality . Coast of S. E. Alaska

Locality . Porcupine Is., Vic. of Pt. Uney and Ilin Bay

Chief of party . A. M. Sobierski

Surveyed by . A. F. Jankowski

Date of survey . Season 1926

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, Horizontal angle books, Field computations, Data from other sources affecting sheet

Remarks: