DEPARTMENT OF COMMERCE
U.S. COAST AND GEODETIC SURVEY

State: S.F. Alaska

DESCRIPTIVE REPORT.

Geographic Sheet No. 4172

Locality:
Chichagof I. W.Coast
Slocum Pt to Khaz Bay

1925

Chief of Party:
A.M. Sobieralski
chart date
8248 2/19/74 applied shoreline offshore
anchor, reef and ledge
DESCRIPTIVE REPORT

to accompany

TOPOGRAPHIC SHEET NO.

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Slocum Point to Khas Bay,
Chichagof Island, S. E. Alaska.
August - September, 1925.

Scale 1:20000

Instructions dated February 4, 1925.

A. L. Schiersalski Chief of Party.

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DESCRIPTIVE REPORT

to accompany

TOPOGRAPHIC SHEET NO._

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Slocum Point to Knav Bay,

Chichagof Island,    S. E. Alaska.

August - September, 1925.

Scale-1:20000

Instructions dated February 4, 1925.

A. M. Sobieralski    -    Chief of Party.

* * * * * * * * *
DESCRIPTIVE REPORT
to accompany

TOPOGRAPHIC SHEET NO.

EXTENT: This sheet embraces the outside coast of Chichagof Island from a point 1 3/4 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 Chah 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 1905 by E. F. Dickey, 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 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 1/4 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 Piesles Passage, both in local use.

RECOVERABLE HYDROGRAPHIC SIGNALS:

<table>
<thead>
<tr>
<th>Name</th>
<th>(Lat)</th>
<th>(Lon)</th>
<th>(Long)</th>
<th>(Des)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rus</td>
<td>57 28</td>
<td>170</td>
<td>135 58</td>
<td>217  Peak of rock.</td>
</tr>
<tr>
<td>Wal</td>
<td>57 28</td>
<td>1220</td>
<td>135 58</td>
<td>535  Point of land.</td>
</tr>
<tr>
<td>Hel</td>
<td>57 30</td>
<td>625</td>
<td>136 01</td>
<td>485  Pinnacle north end of rock.</td>
</tr>
<tr>
<td>Head</td>
<td>57 30</td>
<td>1535</td>
<td>136 00</td>
<td>358  Sharp peak.</td>
</tr>
<tr>
<td>Bull</td>
<td>57 31</td>
<td>321</td>
<td>136 02</td>
<td>304  Peak of rock.</td>
</tr>
<tr>
<td>Hav</td>
<td>57 31</td>
<td>361</td>
<td>136 01</td>
<td>982  Peak of rock.</td>
</tr>
<tr>
<td>Dan</td>
<td>57 31</td>
<td>720</td>
<td>136 01</td>
<td>985  East end of rock.</td>
</tr>
<tr>
<td>Bush</td>
<td>57 31</td>
<td>1389</td>
<td>136 01</td>
<td>563  Highest shrub tree on rock.</td>
</tr>
<tr>
<td>Pan</td>
<td>57 32</td>
<td>1394</td>
<td>136 02</td>
<td>86  Peak of rock.</td>
</tr>
<tr>
<td>Car</td>
<td>57 32</td>
<td>1100</td>
<td>136 02</td>
<td>673  Point of island.</td>
</tr>
<tr>
<td>Ban</td>
<td>57 32</td>
<td>1242</td>
<td>136 02</td>
<td>649  Point of island.</td>
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<tr>
<td>Em</td>
<td>57 33</td>
<td>77</td>
<td>136 04</td>
<td>474  Peak of rock.</td>
</tr>
<tr>
<td>Jo</td>
<td>57 33</td>
<td>1575</td>
<td>136 04</td>
<td>464  Point of land.</td>
</tr>
<tr>
<td>Hes</td>
<td>57 33</td>
<td>1741</td>
<td>136 04</td>
<td>502  Peak of rock.</td>
</tr>
<tr>
<td>Ed</td>
<td>57 33</td>
<td>637</td>
<td>136 03</td>
<td>882  Point of land.</td>
</tr>
</tbody>
</table>

Respectfully submitted

E. B. Roberts

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

State . S. E. Alaska

General locality . West Coast of Chichagof Island

Locality . Slocum Point to Klaw 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:

4172