Department of Commerce
U. S. Coast and Geodetic Survey
State: Alaska

DESCRIPTIVE REPORT
Topographic Sheet No. 5-4032

Locality:
Hialapvik, (Hilo) Bay,
Shelikof Strait,
S.W. Alaska, Shelikof Strait
Wide Bay, Eastern Part

1923

Chief of Party:
H. A. Seger, M. C. Eng.

[Signature]
Descriptive Report

To accompany Topographic Sheet No. 5 Kialagvik Bay, Shelikof Strait, S.W. Alaska Executed under Instructions to Commanding Officer, U.S.S. Discoverer dated 2/21/23

Limits and Connections.
The area covered by this sheet is included within the following limits:

<table>
<thead>
<tr>
<th>N. Lat.</th>
<th>57-19</th>
<th>57-25</th>
<th>57-33</th>
<th>57-27</th>
</tr>
</thead>
<tbody>
<tr>
<td>W. Long.</td>
<td>156-10</td>
<td>156-27</td>
<td>156-05</td>
<td>155-39</td>
</tr>
</tbody>
</table>

The sheet is drawn to the scale of 1:20,000 and includes the shore line of Wide Bay and adjacent islands from Cape Igvak southwestward to a line drawn west true through Channel Rock. Connection was made at a point on the south shore of Cape Igvak with Topographic Sheet 4 of Portage Bay, and at a North East Base with Topographic Sheet 4 covering the southwest half of Wide Bay. Both connecting sheets are of the current season's work.

General Characteristics.
The shore line along Cape Igvak is very rugged, consisting of high rocky cliffs with reefs extending out for some distance along the entire length, with mountains 2000 feet high rising from the water's edge. From the inshore end of Cape Igvak the topography flattens out, low bluffs and sandy beaches occur in succession until Lee's Cabin is reached, westward of which the shore line is entirely sandy beach. The islands shown on this sheet are with one exception approximately fifty feet high, rise abruptly from the water's edge, and are grass-covered. The small island close to Cape Igvak on which O Hump is located consists of three grass-covered humps connected by low spits.

Survey Methods.
The plane table work on the sheet was done entirely by use of the three-point problem and respection, no traverse being run. The town lines are drawn with an interval of 100 feet.

Habitation.
The shores of the bay are uninhabited, with the exception of two cabins located on the northwest shore of the bay, known as Lee's Cabin and occupied at various times by prospectors, packers, surveyors, etc. These cabins are located directly in line with main entrance channel to the bay.

New Place Names.
The names, Mt. Shannon, Des Moines Creek, Big Creek, and Pas Creek are of generally accepted local use and have been placed by the U.S. Geological Survey on their maps of this region. Coal Point is also a name in local use. East Channel Island is a name given by the officers of the Coast Survey. Although the name Kialagvik Bay is used on the charts of the Coast Survey, Wide Bay is the term applied by the people of this region in preference to the Russian name.

Respectfully submitted,

Philip H. White, Aid
<table>
<thead>
<tr>
<th>Object and description</th>
<th>Lat.</th>
<th>D.H.</th>
<th>Long.</th>
<th>D.P.</th>
<th>Height</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hump (© mark on south hump of island)</td>
<td>57-25</td>
<td>956</td>
<td>156-05</td>
<td>570</td>
<td>20 ft.</td>
</tr>
<tr>
<td>Bil (stack on larger of two cabins)</td>
<td>57-25</td>
<td>1100</td>
<td>156-13</td>
<td>812</td>
<td>20 ft.</td>
</tr>
<tr>
<td>Pin (pinnacle rock)</td>
<td>57-25</td>
<td>1650</td>
<td>156-13</td>
<td>265</td>
<td>50 ft.</td>
</tr>
<tr>
<td>Ma (small rocky islet off East Guam I.)</td>
<td>57-24</td>
<td>1128</td>
<td>155-11</td>
<td>474</td>
<td>15 ft.</td>
</tr>
</tbody>
</table>
Chief of Party, H. A. Saran.

Surveyed by J. A. Bond (4031), P. H. White (4032) and F. E. Joekel (4033).

Inked by J. A. Bond, P. H. White and F. E. Joekel.

1. The records of all three sheets conform to the requirements of the General Instructions.

2. The plan and extent of development fulfill the requirements of the General Instructions. It should be noted, however, that none of the sheets and descriptive reports give any indication of the character of the forest growth.

3. The plan and extent of the surveys satisfy the specific instructions.

4. The field drafting was completed to the extent prescribed by the General Instructions.

5. The junctions of the sheets are satisfactory.

6. Mr. Bechard is probably a useful landscape artist who should have been taken to its summit.

7. No further surveying is required within the area covered by these surveys, except that there is a deficient area in the form lines on Cape Kayaklitut which should be supplied when work is resumed to the westward.

8. The character and scope of both the surveying and field drafting are excellent.


Approved.
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. 4032

State - S.W. Alaska
S.W. Alaska

General locality - Shelikof Strait

Locality - Wide Bay, Eastern Part

Chief of party - H. A. Seran, Lt.-Comdr.

Surveyed by - F. H. White, Aid.

Date of survey - July 30 - Sept. 8, 1923

Scale - 1 - 20,000

Heights in feet above high water

Contour interval - 100 feet

Inked by - F. H. White, Lettered by F. H. White

Records accompanying sheet (check those forwarded): Photographs, Descriptive report, Horizontal angle books, Field computations, Data from other sources affecting sheet

Remarks: