DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

State: Alaska

DESCRIPTIVE REPORT.

Topographic Sheet No. 1 4071

LOCALITY:

S.W. Alaska Pen.

Chignik Bay.

Chanluct l. to

Castle Bay.

1924.

CHIEF OF PARTY:

DESCRIPITIVE REPORT

(To accompany Topographic Sheet No.1, Chignik Bay, Alaska.)

Date of Commanding Officer's Instructions, March 11, 1924.

1. Limits & Connections:

This sheet covers the area between the following limits:

Latitudes 56°07 and 56°15, and Longitudes 158°04 and 158°22,

on scale 1:20,000, and comprises the first of six sheets covering Chignik Bay. The topography begins at A Jill and stops at A Cliff, where it is joined by sheet No. 2.

2. General Characteristics:

The south shore line is very precipitous, with a very rocky coast and very little beach, while the north shore line rises more gradually to the summits and a beach extends practically all along the shore.

Castle Cape is a very pronounced point, rising to four spires of bare rock, two of which are very conspicuous, and rise to an elevation of 1200 ft., the others being much smaller and only reaching about 900 ft. The entire point consists of gray bare rock.

The only vegetation on the land covered by this sheet is grass, with scattering alders in places. On the south side the grass doesn't show below an elevation of about 500 ft. due to the steep rocky shore, except where beaches are shown where it begins near the water; whereas on the north side the highest point to the beginning of the grass is about 100 ft., except from 400 meters east of A Lake 2 to Castle Cape, which is entirely bare.


The entire shore line on the Castle Bay side was run in from positions determined by three point fixes. From Castle Cape to the point 500 meters N.E. O Blk Vert Streak a traverse was run, with a resection from A Fool whenever it was visible. Between A Jill and O Bad a combination of traverse and three point fixes was used, preference being given to the latter. The intervening shore line between O Bad and the point N.E. of O Blk Vert Streak was determined by sextant cuts from the ship.

The north shore line of Chankliut Island was determined by the use of three point fixes and also the use of intersections of points obtained by cuts taken from the mainland. On the south shore by traversing across the island in the valleys, in the vicinity of the lakes, Mr. Eaton determined about 300 meters of shore line on each side of the centers of the valleys. The intervening gaps between the rocks at the Western end of the island and O Bag Hook were filled in from points determined by the ship with the sextant.
Each of the ship's positions, that were used in making the sextant cuts were checked by a third cut. This method of locating points on shore was used only for the locality that was practically inaccessible to the plane table or where difficulty was encountered in making landings on account of the heavy swells.

4. Form Lines.

Elevations for form lines were determined by two or more check cuts. A number of approximate elevations were determined to the west and south of Necessity Cove but were omitted from the sheet, as they weren't considered accurate enough. They were taken into consideration though in showing the form lines. A hundred foot interval was used.

5. Industries.

There are no inhabitants nor industries on the mainland covered by this sheet. Chonkliut Island however is used as a fox island, the fox being the property of Mr. Lars Larsen who lives on the island.

6. Game.

Very little game is found in the locality. During the season only a few duck and ptarmagin were seen.

7. New Place Names.

Niskoli Cove is named after Niskoli Olgen, a fisherman who lived near the lake in the cove for a number of years.

Necessity Cove is the name that appeared on the reconnaissance sketch for this region, made by the U.S.S. SURVEYOR in 1920.

There is no local name for the cove between O High and O Blk Vert Streak.

Respectfully submitted,

J.M. Smook,
Lieut. (j.g.).

Approved and forwarded:

Glen L. Garner,
Lieut. Comd'r, Com'd(g.).
To accompany Topographic Sheet, Chignik Bay, Alaska.

Following is a list of plane table positions:

<table>
<thead>
<tr>
<th>Object &amp; Description</th>
<th>Lat.</th>
<th>D.M.</th>
<th>Long.</th>
<th>D.F.</th>
<th>Approx. Height</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gable of House</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>© House</td>
<td>56-10</td>
<td>1700</td>
<td>158-20</td>
<td>472</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Slate rock slide, © Bay</td>
<td>56-12</td>
<td>638</td>
<td>158-14</td>
<td>400</td>
<td>40 ft. by regulation mark.</td>
<td></td>
</tr>
<tr>
<td>Rocky break in beach, © Cas.</td>
<td>56-13</td>
<td>880</td>
<td>158-11</td>
<td>950</td>
<td>20 ft. Whitewash.</td>
<td></td>
</tr>
<tr>
<td>Big hole in cliff, © Cave</td>
<td>56-11</td>
<td>1200</td>
<td>158-11</td>
<td>210</td>
<td>50 ft.</td>
<td></td>
</tr>
<tr>
<td>Big rock S. of Chankluit Id. © Tip</td>
<td>56-08</td>
<td>215</td>
<td>158-06</td>
<td>835</td>
<td>125 ft. Top</td>
<td></td>
</tr>
<tr>
<td>Center of House © House</td>
<td>58-08</td>
<td>1522</td>
<td>158-06</td>
<td>1000</td>
<td></td>
<td>Vertical rock hook projection.</td>
</tr>
<tr>
<td>N.E. end of Chankluit Id. © Big Hook</td>
<td>56-09</td>
<td>827</td>
<td>158-05</td>
<td>453</td>
<td></td>
<td>About 200 ft. above H.W.</td>
</tr>
</tbody>
</table>
April 21, 1925.

SECTION OF FIELD RECORDS

Report on Topographic Sheet No. 4071
Chignik Bay, Alaska Peninsula
Surveyed in 1924.
Instructions dated March 11, 1924.

Chief of Party, C. L. Garner.

Surveyed and inked by J. M. Smook.

1. The records conform to the requirements of the General Instructions.

2. The plan and extent of development conform to the General Instructions and satisfy the specific instructions.

3. The junction with the adjoining survey is satisfactory.

4. No further surveying is required within the area of the sheet.

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

6. Reviewed by E. P. Ellis, April, 1925.
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. (l)...... 4071

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

General locality...... Alaska Peninsula

Locality...... Chignik Bay

Chief of party...... C. A. L. Garber

Surveyed by...... J. H. Smoak

Date of survey...... 1924

Scale...... 1:20,000

Heights in feet above Mean sea level

Contour interval...... 100 feet

Inked by...... J. H. Smoak

Lettered by...... J. H. Smoak

Records accompanying sheet (check those forwarded): Descriptive report, horizontal angle books, field computations,

Data from other sources affecting sheet...... None

Remarks: