**U. S. COAST AND GEODETIC SURVEY**
**DEPARTMENT OF COMMERCE**

**DESCRIPTIVE REPORT**

<table>
<thead>
<tr>
<th>Type of Survey</th>
<th>Topographic</th>
</tr>
</thead>
<tbody>
<tr>
<td>Field No.</td>
<td>SU-Aa-47</td>
</tr>
<tr>
<td>Office No.</td>
<td>T-7049a</td>
</tr>
</tbody>
</table>

**LOCALITY**

- **State**: Alaska
- **General locality**: Alaska Peninsula
- **Locality**: Cape Kekurnoi

---

1947

**CHIEF OF PARTY**

---

**LIBRARY & ARCHIVES**

**DATE**: APR 30 1948
DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

TOPOGRAPHIC TITLE SHEET

The Topographic Sheet should be accompanied by this form, filled in as completely as possible, when the sheet is forwarded to the Office.

Field No. SU-47

REGISTER NO. T-7049a

State Alaska
General Locality Alaska Peninsula
Locality Cape Kakurnoi
Scale 1:20,000 Date of survey July, August, 1947
Vessel Ship SURVEYOR
Chief of party A. F. Batti
Surveyed by K. S. Ulm
Inked by K. S. Ulm
Heights in feet above MHW to ground 60 tops of trees
Contour, Approximate contour, Form line interval feet
Instructions dated 3/19/47, 2/27/43, 3/22/43, 2/29/44, 19...
3/31/47, 4/8/47
Remarks: 

[Signature]
206348
DESCRIPTIVE REPORT

TO ACCOMPANY

TOPOGRAPHIC SHEET - T-7049a

USCG&SS SURVEYOR

A. P. Hatti, Commander, C&GS
Chief of Party

AUTHORITY:

Authority for this survey was the Director's Instructions and Supplemental Instructions for Project CS-279, dated as follows:

<table>
<thead>
<tr>
<th>To:</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Commanding Officer, Ship EXPLORER</td>
<td>19 March 1942</td>
</tr>
<tr>
<td>Commanding Officer, Ship EXPLORER</td>
<td>27 February 1943</td>
</tr>
<tr>
<td>Commanding Officer, Ship EXPLORER</td>
<td>12 March 1943</td>
</tr>
<tr>
<td>Commanding Officer, Ship WESTDAHL</td>
<td>29 February 1944</td>
</tr>
<tr>
<td>Commanding Officer, Ship SURVEYOR</td>
<td>31 March 1947</td>
</tr>
<tr>
<td>Commanding Officer, Ship SURVEYOR</td>
<td>8 April 1947</td>
</tr>
</tbody>
</table>

LIMITS:

The sheet extends west from signal ALP, Latitude 57° 40'15", Longitude 155° 17'17" to signal REX, Latitude 57° 44'38", Longitude 155° 28'03".

Junction with topographic sheet T-7050 is made at signal REX.

CONTROL:

The control for this survey was furnished by third order triangulation executed by F. H. Hardy 1920 and by this vessel during the season.

SURVEYING METHODS:

Signals and shoreline were located by intersection, resection and traverse. Standard practice was followed throughout the sheet. Traverses fell within the allowable limit and were field adjusted.

In accordance with instructions, signal location was given priority and only that shoreline and detail which could be rodded in without additional planetable set-ups was located.
GENERAL DESCRIPTION OF THE COAST:

Cape Kekurnoi (Station HIKE east to station KERUANOE) has vertical rock cliffs ranging from sixty to ninety feet above high water. Along this section of coast, reefs and low water extend from one to two hundred meters off shore. Beaches are practically non-existent with the exception of gravel beaches in the vicinity of signals GAL, TRY, and at the head of the bight north of signal LIL. There is a sand beach west of signal ALP. In general, it is level and grassy from the cliff line for about a half mile back to the mountain slopes.

The islets and rocks that make up the reef south and west of triangulation station HIKE are in general steep and are difficult to land on and climb. The larger islets are grass covered and average seventy-five to eighty-five feet in height above high water.

Steep rocky bluffs with narrow gravel and boulder beaches extend from signal SIB to signal SOK. From signal SOK to signal TAD, there are grassy bluffs with a narrow gravel beaches. From signal TIB to signal FIX there are low rocky bluffs. In the bight north of triangulation station HIKE there is a sand beach and a sand causeway which connects the mainland with the small island on which HIKE is located. This causeway is barely covered at extreme high water. Signal USE is the south gable of a trapper's cabin.

The island west of triangulation station HIKE is grass covered from fifty to seventy feet above high water. On the south side of the island is an extensive reef bare at low water. A tide gage was built in a niche in the rock cliff between signals TIM and ANN on the north side of the island. Good protection for the gage was obtained except in the heaviest of northwest weather.

GEOGRAPHIC NAMES:

The geographic names that appear on Chart No. 8556 are adequate.

LANDMARKS:

Hydrographic signal ACE is a prominent waterfall and should be charted.

Hydrographic signal TRY is a prominent waterfall and should be charted.

See separate report, Landmarks for Charts.

Chart letter 349(1948)
COMPARISON WITH PREVIOUS SURVEYS:

This survey is in agreement with T-3625, F. H. Hardy, 1920, and no discrepancies were noted.

In comparison with Air Photo Compilation Sheet 1, C.S. No. 316, the general delineation of the shoreline and detail is good. However, the shoreline on the air photo compilation is about seventy meters west of the charted position as shown on this sheet.

MAGNETIC OBSERVATIONS:

Compass declinometer and declinatoire observations were made at station KEKUNNOI-1919.

Observations for standardization of compass declinometer H-17 and declinatoire H-32 were taken at magnetic station INGLEWOOD 1940, Seattle, Washington on 18 November 1947. The result of these observations was forwarded to the Washington Office.

STATISTICS:

Number of hydrographic signals located: 54
Statute miles of shoreline: 5.5

Respectfully submitted,

Kenneth S. Ulm
Lt. Comdr., C&GS

Approved and Forwarded,

A. P. Ratti

A. P. Ratti
Commander, C&GS
Commanding, Ship SURVEYOR

This graphic control survey has been compared with contemporary hydrographic survey H-7195 (1947) and no further review by the Hydrog. Surveys Sec. is necessary at the present time.

J. A. Dinmore
3/13/53
<table>
<thead>
<tr>
<th>Name on Survey</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>E</th>
<th>F</th>
<th>G</th>
<th>H</th>
<th>K</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>2</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>3</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>4</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>5</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>6</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>7</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>8</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>9</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>10</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>11</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>12</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>13</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>14</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>15</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>16</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>17</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>18</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>19</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>20</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>21</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>22</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>23</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>24</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>25</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>26</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>27</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>W 234</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Diag'd on Diag. Ch. No. 8556-2

U. S. COAST AND GEODETIC SURVEY
DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey  Topographic

Field No. SU-Ab-47  Office No. T-7049b

LOCALITY

State  Alaska
General locality  Alaska Peninsula
Locality  Dry Bay

1947

CHIEF OF PARTY
A.P.-Ratti

LIBRARY & ARCHIVES

DATE  APR 30 1948
DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

TOPOGRAPHIC TITLE SHEET

The Topographic Sheet should be accompanied by this form, filled in as completely as possible, when the sheet is forwarded to the Office.

Field No. SU-Ab-47

REGISTER NO. T-7049b

State ___________________________ Alaska

General Locality ___________________________ Alaska Peninsula

Locality ___________________________ Dry Bay

Scale 1:20,000 Date of survey aug. to sept., 1947

Vessel ___________________________ Ship SURVEYOR

Chief of party ___________________________ A. P. Ratti

Surveyed by ___________________________ K. S. Ulm

Inked by ___________________________ K. S. Ulm

Heights in feet above MHW to ground ___________________________

Contour, Approximate contour, Form line interval ______ feet

Instructions dated 3/19/42; 2/27/43; 3/12/43; 2/29/44; 19

3/31/47; 4/8/47.

Remarks: ___________________________

______________________________

______________________________
DESCRIPTIVE REPORT
TO ACCOMPANY
TOPOGRAPHIC SHEET - T-7049b

USCG SURVEYOR
A. P. Ratti, Commander, C&GS
Chief of Party

AUTHORITY:

Authority for this survey was the Director's Instructions and Supplemental Instructions for Project CS-279, dated as follows:

To: Commanding Officer, Ship EXPLORER Commanding Officer, Ship EXPLORER Commanding Officer, Ship EXPLORER Commanding Officer, Ship WESTDAHL Commanding Officer, Ship SURVEYOR Commanding Officer, Ship SURVEYOR

Date: 19 March 1942 27 February 1943 12 March 1943 29 February 1944 31 March 1947 8 April 1947

LIMITS:

This sheet extends north from signal ANA, Latitude 57° 32' 65", Longitude 155° 44' 02", to triangulation station CAPE-1947, Latitude 57° 39' 52", Longitude 155° 35' 00".

A junction with topographic sheet T-7050 was made at triangulation station CAPE-1947.

CONTROL:

The control for this survey was furnished by third-order triangulation executed by this vessel during the season.

SURVEYING METHODS:

Signals and shoreline were located by intersection, resection, and traverse. Traverses fell within the allowable limit and were field adjusted. Standard practice was followed throughout the sheet.
In accordance with instructions, signal location was given priority and only that shoreline and detail which could be roded in without additional planetable set-ups was located.

GENERAL DESCRIPTION OF THE COAST:

Rocky Bluffs ranging from twenty to seventy feet extend from Cape Unalshagvak to Dry Bay with narrow gravel and boulder beaches at the head of the bights. There is a prominent headland on which triangulation station FORK-1947 is located. This headland has high vertical cliffs with a small boulder beach. In the vicinity of signals EGO and VIC there is a sand beach.

Dry Bay is sandy and bares nearly to its mouth at low water. No obstructions or rocks were noted at low water.

The points on which triangulation station REX-1947 and signal MUT are located are low grass covered points about fifty feet high with rocky bluffs. The bight between these points has a sand beach.

From signal DIE to signal DEN there are high vertical cliffs. In the vicinity of signal EGG and to the eastward there are steep boulder beaches to the foot of the cliffs.

There is a sand beach in the bight between signals GUS and DEN.

Signal GUS is the center of the top of a pinnacle rock about 55 ft. above high water.

Triangulation station CAPE 1947 is on a rock islet the highest point of which is about 75 feet high.

GEOGRAPHIC NAMES:

The geographic names that appear on Chart No. 8556 are adequate.

LANDMARKS:

Hydrographic signal BUD is a prominent waterfall and should be charted.

See report, Landmarks for Charts.

Chart letter 399 (1948)
COMPARISON WITH PREVIOUS SURVEYS:

There are no previous planetable surveys of the area.

In comparison with Air Photo Compilation Sheet 1, C.S. No. 316, the general delineation of the shoreline and detail is good.

MAGNETIC OBSERVATIONS:

Declinometer Observations were taken at triangulation stations FORK-1947 and REX-1947.

Observations for standardization of declinometer H-32 were taken at Magnetic Station Inglewood-1940, Seattle, Washington on 18 November 1947. The results of these observations were forwarded to the Washington Office.

STATISTICS:

Number of hydrographic signals located -------------- 42
Statute miles of shoreline ------------------------ 4.3

Respectfully submitted,

Kenneth S. Ulm
Lt. Comdr., C&GS

Approved and Forwarded,

A. P. Ratti
Comdr., C&GS
Commanding, Ship SURVEYOR

This graphic control survey has been compared with contemporary hydrographic survey H-7194 (1947). No further review by the Hydrographic Survey Section is necessary at the present time.

A. R. Dinsmore
12/15/48
<table>
<thead>
<tr>
<th>Name on Survey</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>E</th>
<th>F</th>
<th>G</th>
<th>H</th>
<th>K</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>1</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>2</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>3</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>4</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>5</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>6</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>7</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>8</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>9</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>10</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>11</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>12</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>13</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>14</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>15</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>16</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>17</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>18</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>19</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>20</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>21</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>22</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>23</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>24</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>25</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>26</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>27</td>
</tr>
</tbody>
</table>

M 234