Form 904
DEPARTMENT OF COMMERCE
U.S. COAST AND GEODETIC SURVEY

State: I. E. Alaska

DESCRIPTIVE REPORT.

<table>
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<th>topo</th>
<th>sheet no.</th>
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<td>3982</td>
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LOCALITY:

Lipsan Canal
Sullivan Island

1902

CHIEF OF PARTY:

J. H. C. Rawley
LIMITS:

This sheet extends from north latitude 58° 55 to 59° 03 and from west longitude 135° 03 to 135° 29. On the eastern shore of Lynn Canal the topography at the southern limit connects with the work of Mr. Weber (1921). The two sheets connect at a line. The northern limit extends about a mile north of a slide connecting with sheet no. 2 of this season's work. On the western shore the shore line connects at a point at it's southern limit runs to and includes the glacial spit west of the northern point of Sullivan I. This sheet also includes the two souwestern Chilkat Islands, Eldred rock and Sullivan Island.

GENERAL DESCRIPTION OF SHORE:

The eastern shore of Lynn Canal with the exception of the sandy bight just south of a bold is all very steep cliffs. The slopes are thickly covered with trees to about 2000 feet. Many places land slides have cleared wide paths in the trees.

The western shore is alternate rocky beaches and glacial fans. The glacial fans are roughly semicircular in shape, have broad sandy beaches with a wide strip of grass between the high water mark and the trees. The trees on these fans are a mixture of spruce and alder. The mountain slopes are sparsely covered with trees.

Sullivan Island:

Sullivan Island is a long hilly island, lying close to the western shore of the canal. It is about 6 miles long and 1 miles wide at the widest part. The shore is alternate cliffs and boulder beaches. From a line to Island and from a line to the rocky reefs show at low tide.
The island is thickly covered with trees. The island is stocked with foxes.

Chilkat Islands, (two southern islands)

Two low wooded islands lying about midway between Sullivan island and the east shore or Lynn Canal. The shore line is very rocky and the points make off quite a distance.

Blared Rock

A small grass covered island lying about in midchannel, it is marked by a lighthouse.

LANDMARKS:

Described on separate sheet.

ANCHORAGE:

A small hight about a mile north or AVAN, affords good protection in a north wind for small gas boats. In entering from the north care must be taken to avoid the reef that makes off the north point, it extends about 1/2 or a mile.

In the second Chilkat Island, on the north side of the island. A small hight suitable for small craft, affords protection in a south east storm. A gap in the trees allows the wind quite a sweep but there is good holding bottom. Many boats tie up at a doggin driven near the head of the night. There is quite a dangerous rock near the entrance but it is charted.

SURVEY METHODS:

The following points or control were established by triangulation MET, LOW, BOLD, SLIDE, ELL, SED, TREE, LIV, VAN, ISLAND.
NORTH END OF SULLIVAN IS. GLACIER RANGES WEST OF IT.

SOUTH END OF SULLIVAN IS.

LYNCH CANAL ENDS IN A SLIDE.

MOTOR BOAT USED BY TOBOGGANING PARTY.
**LANDMARKS**

<table>
<thead>
<tr>
<th>Objects &amp; Description</th>
<th>Latitude D.M.</th>
<th>Longitude D.P.</th>
<th>Height M</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>Large outcropping - white rock</td>
<td>59° 01'</td>
<td>135° 11'</td>
<td>798 M</td>
<td>390 Ft</td>
</tr>
</tbody>
</table>

Eldred RN. (Light) described in Light List.
QUARTZ, WEB, (MR Ratti 1921). SER, LACE (Mr Weber 1922). The plane table triangulation that I started on sheet, Register No 3863, I carried on to this sheet, tying it in at its northern limit with signals SER and LACE. The following stations were located, Scan , die nav, vis, he lie, an, thus.

The shore line was surveyed by traversing between stations. Due to the number of triangulation stations on both sides of the canal I was able to check my position by three point fixes and re sections, making no appreciable error between stations.

Submitted by

Bureaucrat H. Rigby

Jr. H & G. E.

Approved by

H. & G. E.
SECTION OF FIELD RECORDS

Report on Topographic Sheet No. 3962

Lynn Canal, Alaska

Surveyed in 1922

Instructions dated February 13, 1922.

Chief of Party, J. H. Hawley.

Surveyed and inked by B. H. Riggs.

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

2. The plan and character of the survey conform to the requirements of the General Instructions except that there are only two-thirds of the specified number of determined elevations.

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

4. The junctions with the adjoining surveys are satisfactory.

5. Eldred Rock Light and a large white rock are listed in the descriptive report as landmarks, but neither was shown or named on the sheet.

6. No further surveying is required within the limits of the sheet.

7. The character and scope of the surveying and field drafting are good.

8. Reviewed by E. P. Ellis, October, 1924.
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. 3982.

State  S.E. Alaska  

General locality  Lynn Canal  

Locality  Sullivan Island  

Chief of party  J.H. Hawley  

Surveyed by  B.H. Rigg  

Date of survey  April, May, June 1922.  

Scale  1/20,000.  

Heights in feet above  mean sea level.  

Contour interval  feet.  

Inked by  B.H. Rigg  

Lettered by  B.H. Rigg  

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

Remarks: