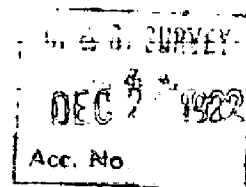


3988



Form 504  
DEPARTMENT OF COMMERCE  
U. S. COAST AND GEODETIC SURVEY

State: S. E. Alaska

11-5613

DESCRIPTIVE REPORT.

Topographic Sheet No. 5 3988

LOCALITY:

Lynn Canal, Southern Part

St James Bay  
Southeast

191 22

CHIEF OF PARTY:

J. H. Hawley

DESCRIPTIVE REPORT TO ACCOMPANY TOPOGRAPHIC SHEET NO 5.

LIMITS:

This sheet extends from north latitude 58° 24' to 58° 38' and from west longitude 134° 59' to 135° 13'. The new shore on this sheet is on the west shore of Lynn Canal, including both entrance points to St James bay and extends south to  $\Delta$ RAVE, about due west of Point Retreat.

GENERAL DESCRIPTION OF SHORE:

The shore is alternate broad sandy beaches and steep rocky stretches of coast. The broad sand beaches are the shores of wide shallow bights with sand bars that bare at low water. They all have one or more streams flowing into them. The southern part of the bight at  $\Delta$ CASH, is all a sand flat at low tide the island that cash is on is connected to the mainland. It was never in the vicinity at low tide. The stretches of rocky beach are very steep and irregular. Trees grow right down to the high water mark, and extend to 2000. The tree line is very irregular.

SISTERS ISLANDS are two small wooded islands, the southern one is connected to the mainland at all tides, the northern one at low water. Their shores rise almost perpendicular from 50 to 150 feet.

LANDMARKS:

Already described. (see Coast Pilot p 161).

ANCHORAGES:

St James Bay (see Coast Pilot p 161).

SURVEY METHODS:

The following points of control were established by triangulation: VAN, LITTLE, PUNK, BED, DRIVE, FOAM, JAMES, OUT, CASH, OIL, RAVE, (J.H. Hawley 1922).

The shore line was surveyed by traversing between triangulation stations, checking my position by resections and three point fixes. The signals on the east shore gave me an excellent three point fix at all times. I was able to check my position at all times, the errors were always discovered before they were large enough to be appreciable, and so were not recorded.

Mr Hoskinson surveyed the form lines on this sheet. In the northern part of the sheet the peaks were so far back they could not be located on this sheet. The country is rolling and thickly covered with trees. The tree line is very irregular, reaching far up in the valleys. The average height is 1800 to 2000 feet.

Submitted by

*Benjamin H. Rigg*  
Jr. H&G. E.

Approved by

*J. H. Hawley*  
H&G. E.

DEPARTMENT OF COMMERCE  
U. S. COAST AND GEODETIC SURVEY

WASHINGTON November 8, 1924.

SECTION OF FIELD RECORDS

Report on Topographic Sheet No. 3988

Vicinity of St. James Bay, Lynn Canal, Alaska

Surveyed in 1922

Instructions dated February 13, 1922.

Chief of Party, J. H. Hawley:

Surveyed by B. H. Rigg and A. J. Hoskinson.

Inked by B. H. Rigg.

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.
3. The plan and extent of the survey satisfy the specific instructions, except that the formlines are omitted for about one mile at the bottom of the sheet.
4. The only additional surveying needed in the area covered by this sheet are the formlines noted in the preceding paragraph.
5. The junctions with the adjacent surveys are satisfactory.
6. The character and scope of the surveying and field drafting are good.
7. Reviewed by E. P. Ellis, November, 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. 3988

State . **S.E. Alaska.** . . . . .

General locality . **Lynn Canal . West shore.** . . . . .

Locality **. St. James Bay to southward.** . . . . .

Chief of party . . **J.H. Hawley** . . . . .

Surveyed by . **B.H. Rigg. (shore). A.J. Hoskinson (from lines).** . . . . .

Date of survey **. August September 1922.** . . . . .

Scale **1/20000** . . . . .

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: