

3986

ACKNOWLEDGED

DEC 18 1922

L. & A. SEC.

Form 504

DEPARTMENT OF COMMERCE

U. S. COAST AND GEODETIC SURVEY

State *A. E. Alaska*

11-5013

DESCRIPTIVE REPORT.

Topo Sheet No. *3986*

LOCALITY:

Chilkat and Chilkoot

Inlets

1922

CHIEF OF PARTY:

J. H. Stanley

DESCRIPTIVE REPORT TO ACCOMPANY TOPOGRAPHIC SHEET NO. 3.

LIMITS:

This sheet extends from north latitude 59° 09' to 59° 19', and from west longitude 135° 10' to 135° 21'. At its southern limits this sheet connects with sheet No 2, and at its northern limits with sheet No 3 of this seasons work. (Sheets No 2 & 3 Mr Hoskinson 1922). It contains the limits of the Katzehin and Mc Clellan River flats.

General DESCRIPTION OF SHORE:

On the east shore of Chilkoot Inlet, the survey starts at Δ LEDGE and for a mile to the point where the Katzehin river flat starts the shore is rocky and steep. The flat extends far out into the channel, the outer edge is marked with a red can buoy. It is roughly semicircular in shape and is 3 3/4 miles wide at the base. The south side of the flat is cut up into many islands and sand bars by the Katzehin river, which is a series of broad, shallow swiftly flowing streams. There are many small grassy islands scattered about the flats. From the northern limit of the flat to the limit of this sheet, Δ LOW, the shore is rocky and steep in nature.

On the west side of the Inlet, from Δ CLIMB to the first point north of Δ TERRY, the shore is rocky and steep. From here to the end of the sheet with the exception of Battery point, the shore is alternate sand and boulder beaches. Battery point is a rocky knob and is marked by a light.

On the east shore of Chilkat Inlet, from the southern limit to Δ KOP the shore is rocky. From this point north the shore is alternate sand and boulder beaches, gradually getting broader until the river flat is reached.

Mc Clellan Flat was run at a plus 2.5 tide and although we tried to make allowance, the slope is so gradual a small difference in height would make a big difference in the low water line. The river comes out near the west side of the flat.

The west shore is all sand and boulder beaches.

The old Chilkat Indian Village marked on the chart is all destroyed.

The ruined shacks were burnt this summer.

LANDMARKS:

Katzehin River flat	Red nun buoy described in light list.
Battery Point	Light " " " "
Low Point	" " " " "
Pyramid Island	Described in triangulation J.H. Hawley 1922.

ANCHORAGES:

Portage Cove	described in coast pilot .
Letnikof Cove	" " " "
Pyramid Harbor	" " " "

SURVEY METHODS:

The following points of control were established by triangulation
LEDGE, SPIT, KATS, LOW, AGE, CLIMB, COOT, TERRY, BAT, BERRY, IND, VIL. (N.H. Heck 1921)
KOF, NEW, RAM, REEN, HAR. (J.H. Hawley 1922).

The shore line was surveyed by traversing between triangulation stations, checking where ever possible by three point fixes and resections. For a time Mr Hoskinson and I were working together, he surveyed in Chilkat Inlet from the southern limit to Δ NEW on one side and Δ REEN on the other. We also worked in conjunction on the Katzehin and Mc Clellan flats, we only worked two hours at a time one hour before and one hour after low water. The work done on another

sheet was transferred to this one at the end of each day.

On the west shore of Chilkat Inlet the form line work is revision
a number of points were located and it was found that they checked
with the old work. The form lines on the bromide were as accurate
as I could have drawn them.

Submitted by

Benjamin H. Riggs
Jr. H. & G. E.

Approved by

H. & G. E.

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

WASHINGTON

October 31, 1924.

SECTION OF FIELD RECORDS

Report on Topographic Sheet No. 3986

Chilkat and Chilkoot Inlets, Alaska.

Surveyed in 1922.

Instructions dated February 13, 1922.

Chief of Party, J. H. Hawley.

Surveyed and inked by B. W. 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, 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. Low Point Lighthouse and Battery Point Light, which are listed in the descriptive report as landmarks, were not located or named on the sheet.
6. No further surveying is required within the area covered by the sheet.
7. The character and scope of the surveying and field drafting are excellent.
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. 3986

State S.E. Alaska

General locality Chilkat and Chilcoot Inlets

Locality Flat Bay to Low Point

Chief of party J.H. Hawley

Surveyed by B.H. Rigg

Date of survey July, August, September 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: