

3990

Form 504

DEPARTMENT OF COMMERCE

U. S. COAST AND GEODETIC SURVEY

State: S.E. Alaska

11-5913

DESCRIPTIVE REPORT.

Topographic Sheet No. 4 3990

LOCALITY:

~~Chilkoot and Chitina Inlets~~

Taiya Inlet  
Chilkoot Inlet and  
Taiya Inlet.

1922

CHIEF OF PARTY:

J.H. Hawley

DESCRIPTIVE REPORT TO ACCOMPANY TOPOGRAPHIC SHEET NO. 4 (1922)

LIMITS and EXTENT.

This sheet covers the eastern and western shores of Taiya Inlet and the northern and southern shores of Chilkoot Inlet from north latitude  $59^{\circ}-16'$  to  $59^{\circ}-30'$  and from west longitude  $135^{\circ}-17'$  to  $135^{\circ}-33'$ . This sheet connects at the southern limit with sheet no. 3 (1922) and at the northern limit it extends to the head of Taiya Inlet.

CONTROLS and SURVEY METHODS.

The following points of control were established by triangulation. Stations VIL, AGE, PAL, & TAI (N.H. Heck 1921). The following were recovered from old surveys, stations GRAZE, JAM, FULL, PEAST, LOUNGE, RENOWN, SILK, HAND, CABLE, PHEASANT, GARB, FRAME, STORE, SHARP, LAME, GRUNT, & DAIYA. Station NEW was located by topography. The following stations in Chilkoot Inlet were located by plane table triangulation. FLAG, BAN, GAL, WASH, PILE, POLE, CLIFF, POD, SIG, TENT, GIN, SCOW, and NAB.

The shore line on both sides of Taiya Inlet from the southern to the northern limit of the work is so steep and rocky that it was not practical to run it in the usual manner by plane table traverse. The shore line was located by taking sextant fixes at controlling points along the cliff. These fixes were taken at intervals of 100 meters or less and were plotted in the field. The shoreline was sketched in between these points. The flats at Skagway and at Daiya from station SHARP to GARB and from DAIYA to NEW were located by traverse with plane table. Both shores of Chilkoot Inlet and Taiyasanka Harbor were located by traverse between signals. The stations on the opposite shore gave good checks

*Note - triangulation positions were re-computed from field data. S.E. Ab. data was not used.*

*\* Cable was erroneously plotted. The effect on the adjoining topography due to the method used, is problematized. The area should be compared with older survey on scales 1-80,000.*

by resection so that there was no appreciable error of closure in any traverse.

GENERAL DESCRIPTION OF SHORE LINE.

Both shores of Taiya Inlet are very steep and rocky except at ~~at~~ the upper end of the Inlet where there are ~~the~~ mud flats at Skagway and Daiya. The cliffs on either shore rise nearly vertically to a height of about 25 feet. The city of Daiya has entirely disappeared, the old town site is now a dairy ranch.

The northern shore of Chilkoot Inlet and both shores of Taiyasanka Harbor are steep and rocky. The southern shore of Chilkoot Inlet is a narrow boulder beach.

ANCHORAGES.

SKAGWAY, DAIYA, and TAIYASANKA, Described in the Coast Pilot.

LAND MARKS.

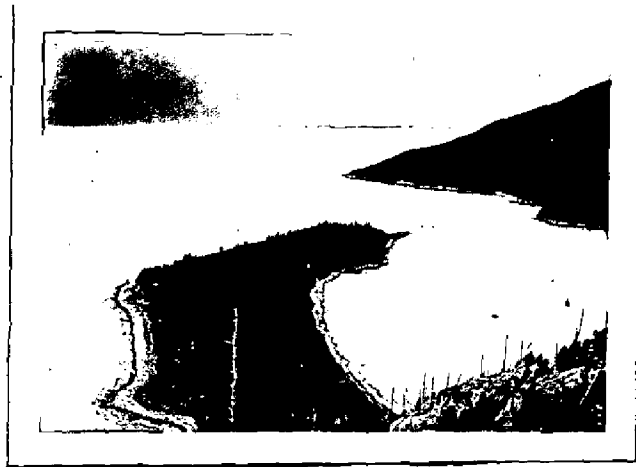
There are no prominent land marks with-in the limits of this sheet.

INSHORE DANGERS.

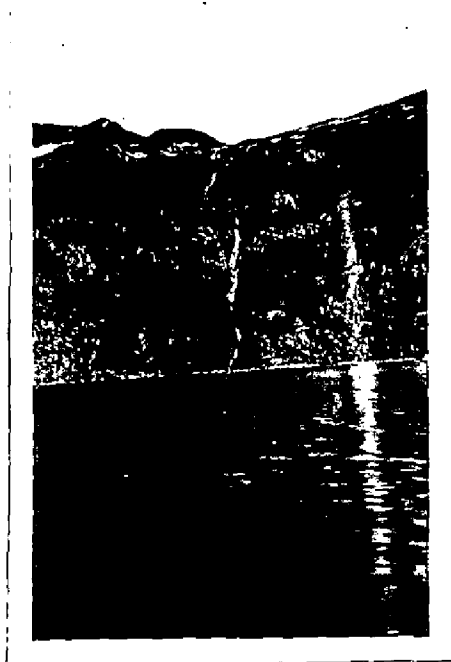
There are no rocks along either shore except near Station TAI where there are a few off-lying rocks awash at low water, not shown on this sheet. Indian Rock, described in the Coast Pilot should be avoided.

*Submitted by*  
*Albert J. Foskinson*  
*aide.*

*approved*  
*W. H. Hawley*  
*Comd'g*



*Taiyasanka Harbor*



*Shoreline Taiya Inlet*

ADDRESS THE DIRECTOR  
U. S. COAST AND GEODETIC SURVEY

AND REFER TO NO. 4-DRM

DEPARTMENT OF COMMERCE  
U. S. COAST AND GEODETIC SURVEY

WASHINGTON

October 31, 1924.

SECTION OF FIELD RECORDS

Report on Topographic Sheet No. 3990

Chilkoot and Taiya Inlets, Alaska

Surveyed in 1922

Instructions dated February 13, 1922

Chief of Party, J. H. Hawley.

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

Inked by A. J. Hoskinson.

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. No further surveying is required within the limits of the sheet.
6. The character and scope of the surveying and drafting are good.
7. 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. 4 3990

State S.E. Alaska . . . . .

General locality Taiya Inlet . . . . .

Locality Taiya Inlet, and Chilkoot Inlet . . . . .

Chief of party E. J.H. Hawley . . . . .

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

Date of survey 1922 . . . . .

Scale 1 / 20 000 . . . . .

Heights in feet above mean sea level . . . . .

Contour interval 100 . feet.

Inked by A.J.H. . . . . Lettered by A.J.H. . . . . .

Records accompanying sheet (check those forwarded): Photographs, ✓

Descriptive report, ✓ Horizontal angle books, Field computations,

Data from other sources affecting sheet . . . . .

Remarks: