



DEPARTMENT OF COMMERCE  
U. S. COAST AND GEODETIC SURVEY

~~Hydrographic~~  
~~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. 1755<sup>a</sup>

State . . . . . Alaska

General locality . . . . . Summer Strait, S.E. Alaska

Locality . . . . . Post Protection, Princes of Wales Isl.

Chief of party . . . . . L. O. Colburn

Surveyed by . . . . . Joachim

Date of survey . . . . . June, 1916

Scale . . . . . 1:20,000

Heights in feet above . . . . . mean High Water

Contour interval . . . . . feet.

Inked by . . . . . J. . . . . . Lettered by . . . . . J.

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

Remarks: The work of this sheet was done to locate the signals only, the shore line having been completed on a previous date.

DEPARTMENT OF COMMERCE

COAST AND GEODETIC SURVEY.

E. Lester Jones  
Superintendent

DESCRIPTIVE REPORT

*Hyd =* to accompany *# Hyd = 1753<sup>a</sup>*  
~~5700000000~~ SHEET SHOWING LOCATIONS OF

HYDROGRAPHIC SIGNALS

in

PORT PROTECTION, SOUTHEAST ALASKA.

by

WIRE DRAG PARTY No. 4.

JUNE 1916

L.O. Colbert, Assistant, Coast & Geodetic Survey.

Chief of Party.

A. Joachims, Assistant Coast & Geodetic Survey.

Typegrapher.

*Hyd C 1753-a*

DEPARTMENT OF COMMERCE.

COAST AND GEODETIC SURVEY.

Descriptive report of topographic Sheet  
showing locations of Hydrographic signals  
in Port Protection, S.E. Alaska.

The original plane table survey of Port Protection Harbor was made by the party under J.M. Helen in the year 1886. A bromide of this sheet was furnished Wire Drag Party No. 4 in 1915. The original survey was found to be accurate, and no attempt to rerun the shoreline was made. Five signals were erected by this party, and located by means of the shoreline on a bromide sheet of the original sheet. When the smooth sheet was constructed in the Washington Office it was found by referring back to this original survey, that no way of orienting the sheet was provided except by means of a magnetic meridian. The same method was used in plotting the smooth drag sheet. However, as this was not considered very satisfactory, a special effort was made during the past season to connect the signals used in 1915 with the triangulation of Sumner Straits.

The location of triangulation signals Pal, Port and Light were taken as starting points, and a plane table location of the rock awash, called "Sunk", was made. At this new location of "Sunk," cuts were taken to the other signals in the Bay.

A tracing was then made of the previous plane table survey of Port Protection, including the shoreline and the location of signals in the Bay. Signal "Sunk" of the tracing was made to coincide with its new location, and the other signals were oriented so that they filled their respective cuts on the new ~~sheet~~ plane table sheet.

This sheet as completed gives the true geographical location of the signals and shoreline in Port Protection. It is recommended that the wire drag sheet of this vicinity be checked by this new data. The limit of this <sup>sheet</sup> is from Ship Islands to Point Baker in Sumner Straits, Southeast Alaska. Chart 8200 should also be compared.

*L. O. Robert.*

Assistant, C & G Survey  
Chief, Wire Drag Party No. 4.