

4375

Form 504

DEPARTMENT OF COMMERCE

U. S. COAST AND GEODETIC SURVEY

....., Director

State: SE. Alaska

DESCRIPTIVE REPORT

Topographic
~~Hydrographic~~

Sheet No.

F 4375

LOCALITY

Chichagof Island

Vicinity of Slocum Arm

1928

CHIEF OF PARTY

H.A. Cotton

GOVERNMENT PRINTING OFFICE

DESCRIPTIVE REPORT

TO ACCOMPANY

TOPOGRAPHIC SHEET NO. _____

(FIELD LETTER F)

INTERIOR AREAS

CHICHAGO OF ISLAND, VICINITY SLOCUM ARM

JULY TO OCTOBER, 1928

SCALE 1:40,000

FORM LINE INTERVAL 200 feet

AUTHORITY:

The topography on this sheet was executed in accordance with Instructions of February 13, 1928, from the Director to the Commanding Officer of the Steamer EXPLORER.

LIMITS AND CONNECTION WITH OTHER WORK:

The new work on this sheet is an extension of the previously executed coast topography in the vicinity of Slocum Arm over areas as far inland as was possible.

Form lines in pencil were transferred from charts nos. 8248 and 8280, where these form lines had not been changed on topographic Sheet, Field Letter D: In cases where changes were made in the form lines on Topographic Sheet, Field Letter D, the form lines were transferred from that sheet. The shoreline was transferred from Chart No 8280, and topographic sheet, Field Letter D.

Form lines in red, and lakes and streams in black, represent original work on this sheet. Full lines are shown where the work could be sketched with reasonable accuracy. Dashed lines are shown where uncertainty existed. However, it is believed that the dashed lines are fairly representative of the topography.

DATA FOR NEW WORK:

The data used for the compilation of this work consists of:

1. Photographic snapshots from Stations Next, Slow, View, Falcon, and Doolth and from an Anchorage in Waterfall Cove, Slocum Arm;
2. Theodolite cuts from Stations Next, Falcon, Trip, Doolth and Perp and sextant cuts from the anchorage in Waterfall Cove.
3. Elevations from Stations Perp, Falcon and Doolth.

METHODS:

The data was largely collected in connection with the occupation of the main scheme stations. Cuts and elevations were taken whenever it was possible to take them without seriously impeding the progress of the main scheme triangulation. Photographic snapshots were taken from the triangulation stations whenever possible. In some cases the light was so poor that good snapshots could not be obtained and films from the Stations View and Falcon were almost ruined while being developed. In general, the new work was sketched from the cuts, elevations and snapshots obtained.

The form lines through and in the vicinity of, the low pass extending from the head of Slocum Arm to Salisbury Sound were sketched on the Chart while on Stations Next.

All elevations were computed with a hypsograph.

The peaks on this sheet, on which locations were obtained, are designated by numbers 1 to 12. They are so designated in the record books, the lists of Directions, the Abstracts of Zenith Distances and on the snapshots. This applies only to the peaks on Chichagof Island cut in from Stations Perp, Next, Falcon, Doalth and Trip. The peaks cut in from other stations and designated by numbers do not correspond to the peaks cut in from the above listed stations.

GENERAL COMMENTS:

In general, the land areas in the vicinity of Slocum Arm are heavily timbered with coniferous trees at the lower elevations,

except in places where extremely rocky ground causes sparse and scrubby growth. Above elevations of 1600 to 1800 feet and in many cases at lower elevations, the timber is scrubby or entirely missing. Above timber line, the mountains are extremely rough and rocky.

The following paragraphs from the Season's Instructions (to Commanding Officer, EXPLORER, dated February 13, 1928) relate to the topographic work on this sheet.

20. " A photostat of a section of chart 8280 raised to a scale of 1:20,000 will be furnished you. The form lines in this section of the chart are broken due to lack of information. You will fill in the missing form lines if you find you are able to obtain the information readily.

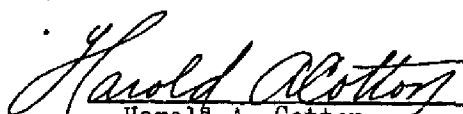
21. It is desired that you supplement the form lines shown on the other charts within the limits of your work if feasible for you to do so without delaying your other surveys. It is considered that you will have exceptional opportunity to obtain this information from the nature of your work. Information of this kind is desirable for the interior of Chichagof, Kruzof and Baranof Islands. Form lines and heights for charting on 8250 should be readily obtainable if it is not possible for you to furnish details for use on the larger charts."

STATISTICS

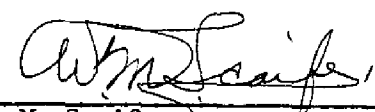
Area, square statute miles	-----	16
Number of recoverable triangulation stations used in connection with sheet	-----	7
Positions occupied (triangulation stations) for cuts or snapshots	-----	7

Examined, approved and forwarded

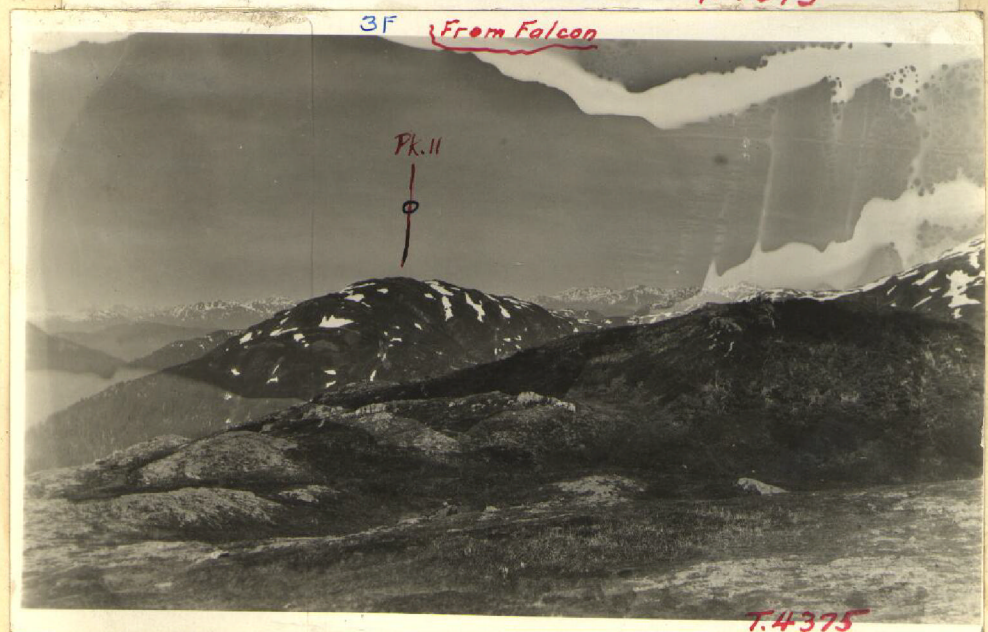
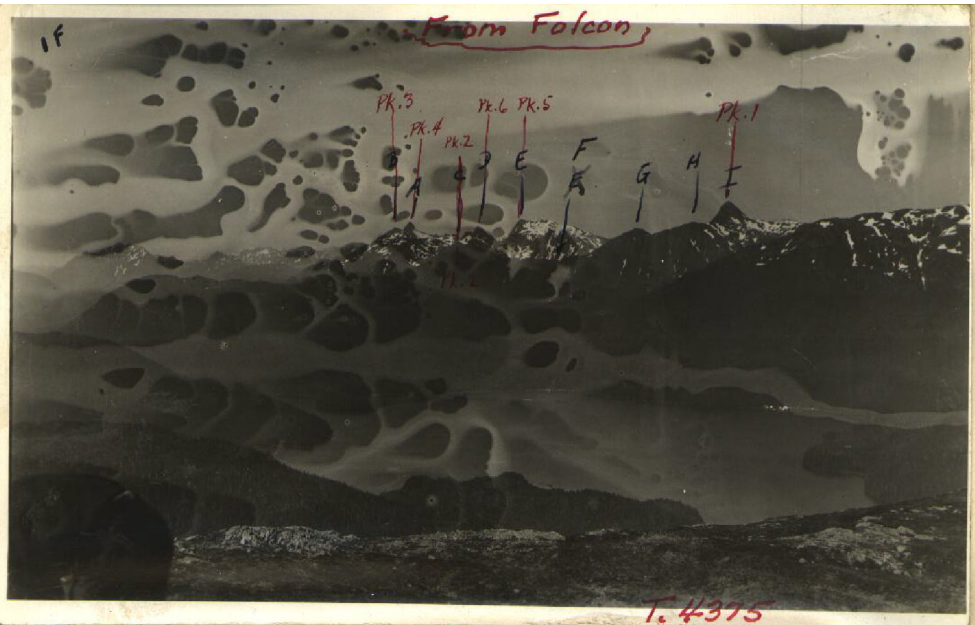
Respectfully submitted



Harold A. Cotton,
Commanding Officer,
U.S.S. EXPLORER.



W. M. Scaife,
Jr. H. & G. Engineer,
Coast & Geodetic Survey.



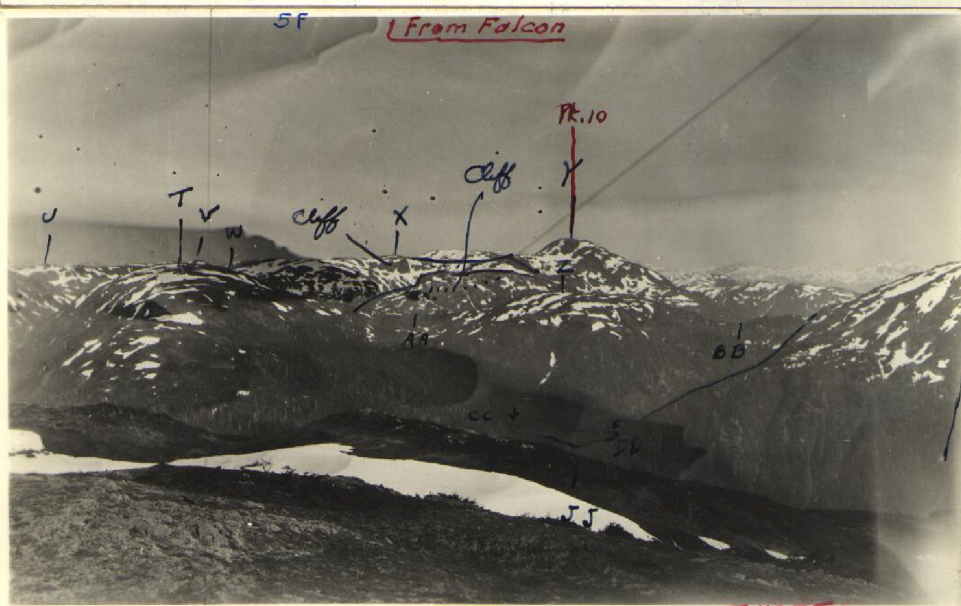
4F (From Falcon)



T. 4375

5f

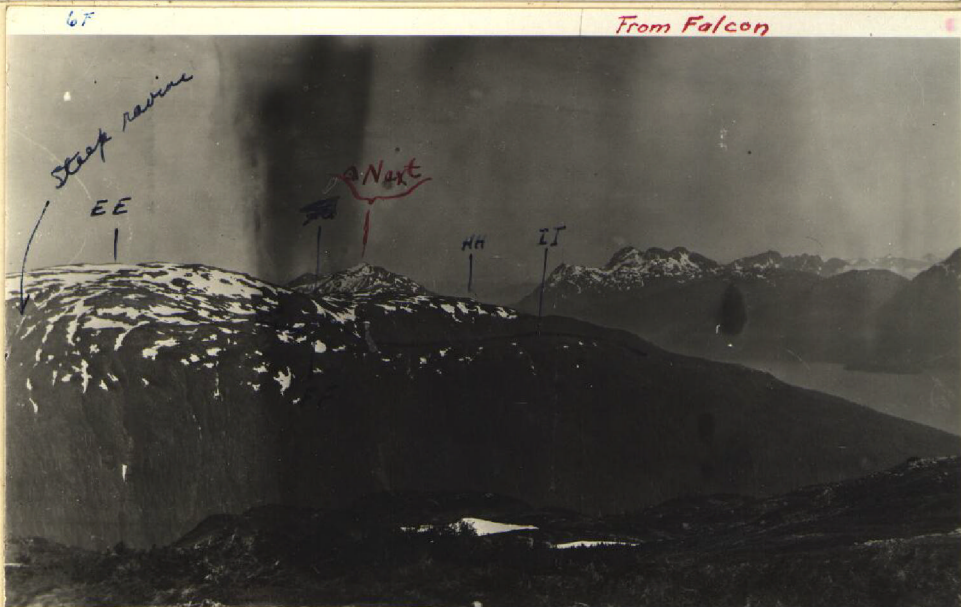
1 From Falcon



T. 4375

67

From Falcon

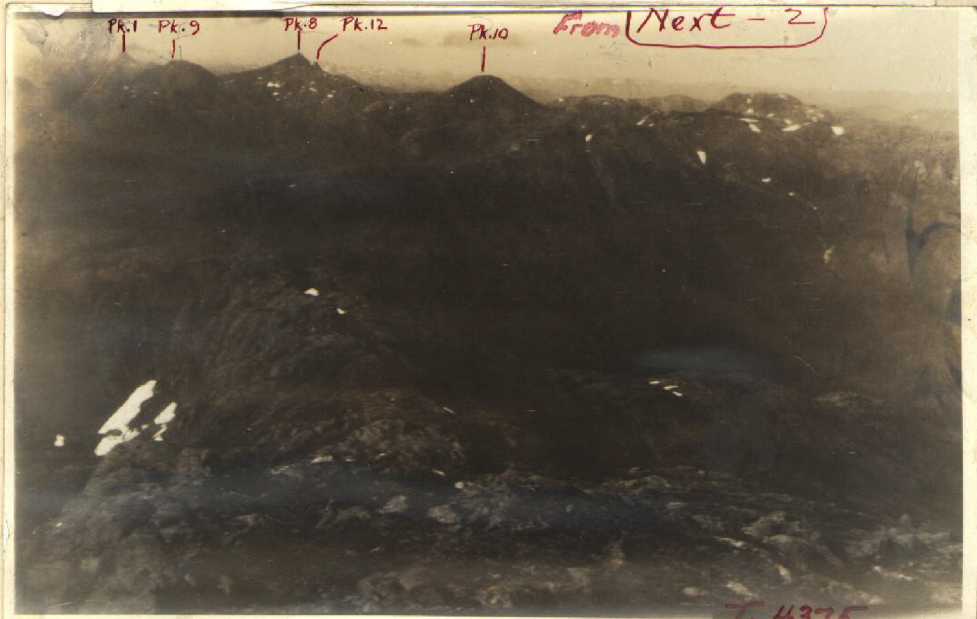


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Water fall Cove - Slocum Arm.



T. 4375



T. 4375



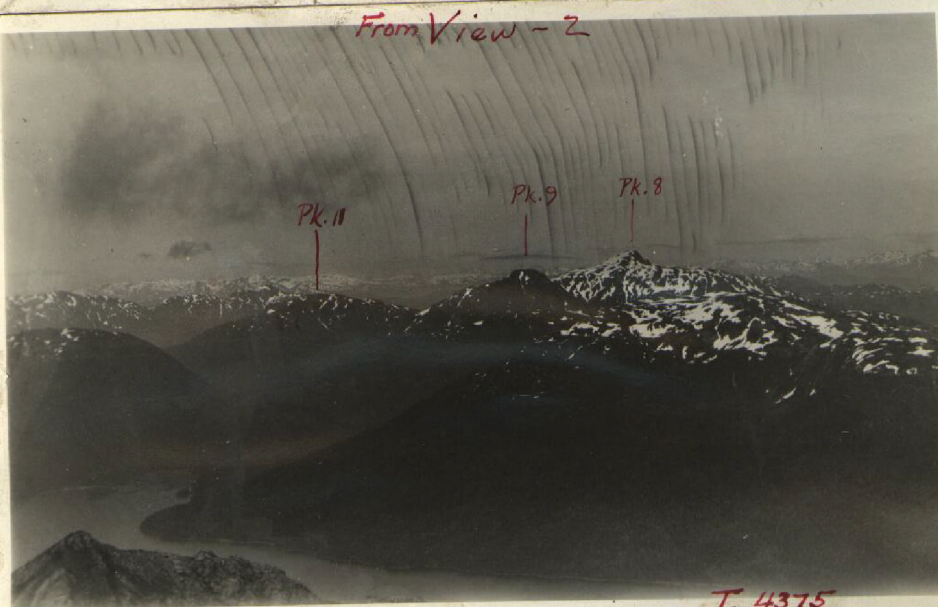
T. 4375

From
View - 1



T. 4375

From View - 2



T. 4375

From View - 3



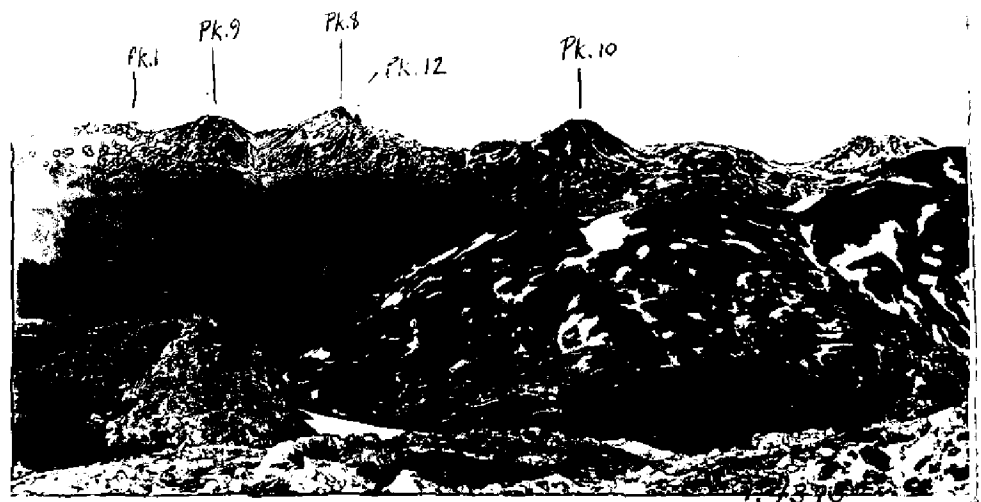
T. 4375

From Slow

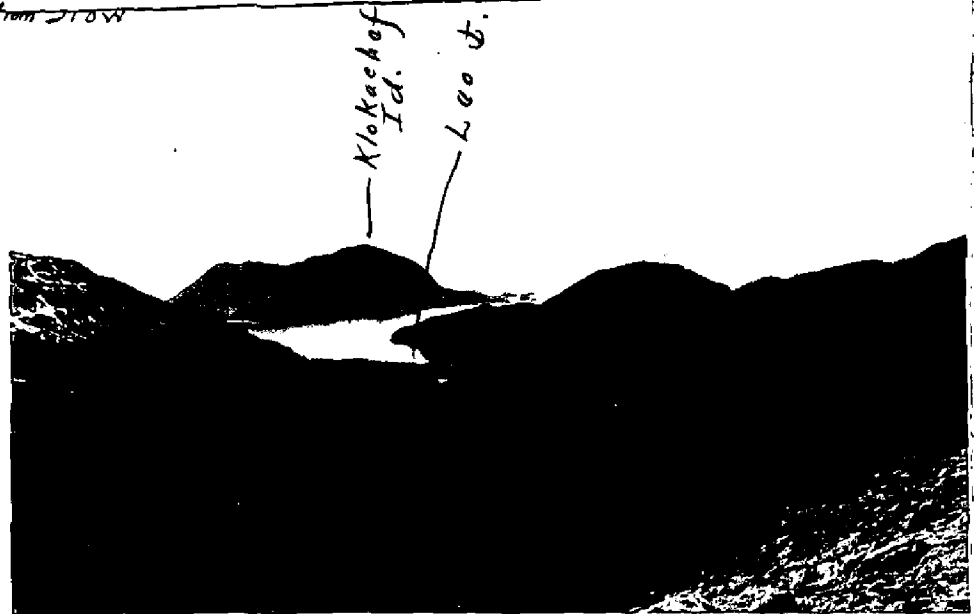


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From Slow

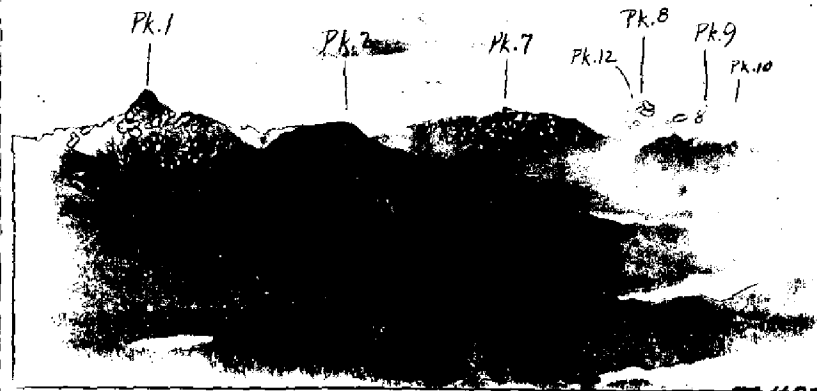


From Slow



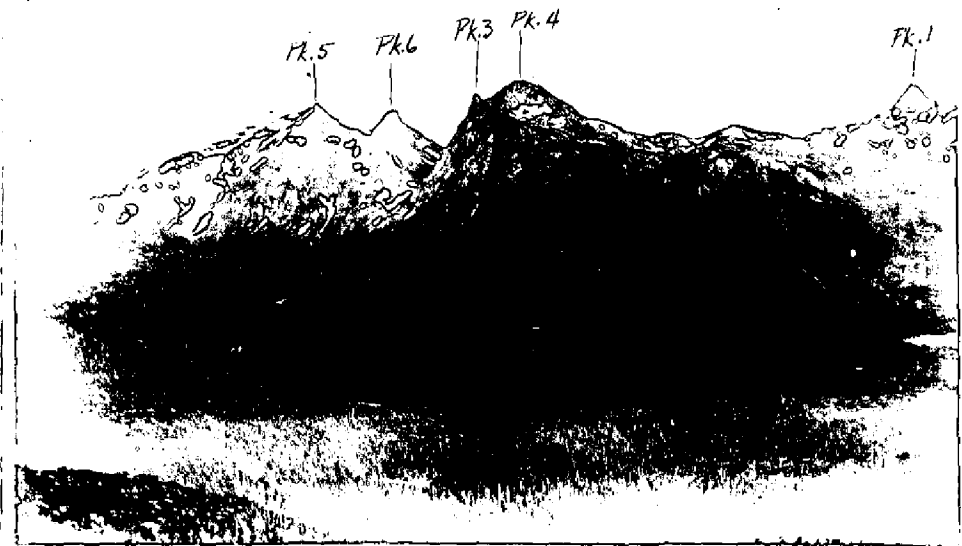
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From Doolth



T. 4375

From Doolth



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DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

TOPOGRAPHIC TITLE SHEET

REG. NO. 4375

The Topographic Sheet should be accompanied by this form, filled in as completely as possible, when the sheet is forwarded to the Office.

Field No. F

4375

REGISTER NO.

State S. E. Alaska

General locality Chichagof Island ✓

Locality Vicinity of Slocum Arm ✓

Scale 1:40,000 Date of survey June - October, 1928

Vessel EXPLORER

Chief of Party Harold A. Cotton

Surveyed by Wm. M. Scaife

Inked by Wm. M. Scaife

Heights in feet above M.H.W. to ground ~~to tops of trees~~

~~Contour, Approximate contour~~, Form line interval 200 feet

Instructions dated February 13, 1928

Remarks: Interior Areas