DESCRIPTIVE REPORT

TO ACCOMPANY

TOPOGRAPHIC SHEET NO.

(FIELD LETTER F)

INTERIOR AREAS

CHICHAGOF 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 Doolith and from an Anchorage in Waterfall Cove, Slocum Arm;
2. Theodolite cuts from Stations Next, Falcon, Trip, Doolith and Perp and sextant cuts from the anchorage in Waterfall Cove.
3. Elevations from Stations Perp, Falcon and Doolith.
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, Doelth 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 scruffy 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 6260 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 6250 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

Number of recoverable triangulation
stations used in connection with sheet

Positions occupied (triangulation
stations) for cuts or snapshots

Examined, approved and forwarded

Respectfully submitted

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

W. M. Scaife,
Jr. H. & C. Engineer,
Coast & Geodetic Survey.
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. 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 MLLW to ground to tops of trees

Contours, Approximate contour, Form line interval 200 feet

Instructions dated February 13, 1928

Remarks. Interior Areas