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Department of Commerce and Labor
COAST AND GEODETIC SURVEY

Superintendent.

State: _____

DESCRIPTIVE REPORT.

Sheet No. 3406

LOCALITY:

191

CHIEF OF PARTY:

Alaska.

3406

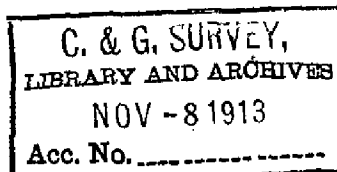
Gilbert T. Rude, 1913.

DESCRIPTIVE REPORT .

to accompany

Topographic Sheet No. F.

PORTAGE GLACIER, ALASKA.



This topographic sheet extends from Station South Base, at high water mark on the gravel flats at the head of Passage Canal, over Taku Pass and part way across Portage Glacier, joining topographic sheet "G" on the north. It covers the area in which Portage Glacier lies and the peaks forming this basin. The traverse line was run across the north end of the Glacier. The peaks to the southward, at some distance from the line, are located by acute intersections and considerable freedom was used in sketching the edge of the glacier and the contour of these peaks. It was impossible to run the line farther to the southward on account of the deep crevasses and the rough ice.

Two plane table parties were run along the same traverse line, checking in elevation and position on each plane table position on the traverse. One party mapped the area north of the line, topographic sheet "G", and the other the area south of the traverse, topographic sheet "F". The two sheets may be joined by using the initial position, Station "South Base", and the orienting lines to Stations "Saw", "Claim", and "Delta", which are common to both sheets, "F" and "G". All these stations are also on topographic Sheet "E" of the Head of Passage Canal.

The plane tables were set up at Station South Base and orienting lines laid down on the sheet to Stations Saw, Claim and Delta. No projection was made as the triangulation had not been brought over from Perry Island. From this station, South Base, a traverse line was run over Taku Pass and across the north end of the glacier to the last traverse station shown on the sheet, elevation 923 feet, following a line of flags placed ahead by a reconnaissance party in charge of the Chief of Party.

The contour interval is one hundred feet and the scale of the sheet 1 - 20,000.

The gravel flats are covered with alder brush, except along the glacial streams running through the flats. All the hills are bare rock, without trees or shrubbery of any kind.

The approximate latitude and longitude of Station South Base are given in Descriptive Report of Topographic Sheet "E".

Respectfully submitted,

Gilbert J. Rude

Assistant, U? & G. Survey.