



# 2432

U. S. COAST AND GEODETIC SURVEY.

*Henry S. Pritchett*, Superintendent.

State: *Alaska*

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## DESCRIPTIVE REPORT.

*Topographic* Sheet No. *2432*

LOCALITY:

*Yukon River to  
Scammon Bay*

*1899.*

CHIEF OF PARTY:

*G. R. Putnam*

# 2432

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Yukon River to Scammon Bay, Alaska.

Descriptive report to accompany topographic sheet No. 2432.

This sheet contains all information as to the topography of this region which was obtained in the season of 1899 and which could not be plotted on the 20,000th scale sheets, because of falling outside of their limits, and it also has a progress sketch showing the triangulation. The latter has been traced off on smaller sheets and transmitted with season's report.

The elevations shown are determined from observed angles at various triangulation stations; the contours are at 200 foot intervals; these must be considered as only approximation as all this was long distance work, without actually visiting the regions.

The sub-sketch showing some mountains between the Yukon and the coast to the southward is based on angles of direction taken at triangulation station "Top" on Agachanok Hill, and from various information obtained as to the distance from the coast of these mountains and hills. Lieut. Jarvis in his Point Barrow report, refers to the largest of these groups (the Tupschulik).

The coast south of Scammon Bay and the North Land Island, are a continuation of the work on topographic sheet No. 2431 (see descriptive report on that sheet, p. 5 to 7 for notes as to this, and the connection between Scammon Bay and Yukon Delta work). Of course the southern part of this coast, seen at a great distance, is very uncertain.

The connections of the streams in the southern part of the delta are from notes gathered by Lt. W. Edmonds from the natives. The Catholic mission buildings are approximately located from bearings taken from the rigging of the steamer "Yukon" in the lower part of Kwiklowak Pass.

The elevations in the N.E. portion of the sheet may mostly be considered as very indefinite.

In the S.E. part of the sheet is a little continuation of the reconnaissance on the upper portion of topographic sheet No. 2439.

G. R. Putnam

Assistant

May 31, 1900.

The positions are based on the St. Michael astronomical position carried through Assistant Harris' triangulation. The field results were used in the projections; to make the positions accord with the final office values, all latitudes must be increased  $0''.18$  (or parallels moved south 5.5 metres) and all longitudes must be diminished  $0''.56$  (or meridians moved west 8.0 metres). This is a uniform correction to be applied to all the projections of the Yukon River and Delta work of 1899. The projections of work of party of Assistant Pratt in 1898, were made on different data, and a correction must be applied to join these to 1899 sheets.

G. R. P.