



3543

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Department of Commerce and Labor
COAST AND GEODETIC SURVEY

Superintendent.

State: *Alaska*

DESCRIPTIVE REPORT.

Hyd. Sheet No. **3543**

LOCALITY:

*Prince William Sound
Glacier Island
Chamberlain Bay*

1913

CHIEF OF PARTY:

G. T. Rude

11-4045

3543

DESCRIPTIVE REPORT.

to accompany

Hydrographic Sheet 3543

Glacier Island, Prince William Sound, Alaska.

Steamer Taku, Season 1913.

Gilbert T. Rude, Chief of Party.

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This sheet comprises Jackson Cove and Chamberlain Bay, indenting the south shore of Glacier Island, Prince William Sound, Alaska. It is a detached survey, with no triangulation nor projection. A Plane table survey of the two bays was made and the signals used were located on this survey and are shown on topographic sheet number H.

The steamer Taku was used on all the sounding with improved Cosmos Sounding Machine, pressure tube and ordinary handlead.

Good anchorage for small craft may be had about three hundred meters from the head of Jackson Cove in about five fathoms, soft bottom. The entrance is very narrow, about fifty meters from shore to shore, with shoal rocky bottom close along the banks. Entrance should be made in mid channel, favoring the north point at the inner end of the entrance. Three lines of soundings were run through this entrance. This anchorage affords shelter from all winds. During heavy easterly weather considerable swell rolls in toward the entrance to the cove but is broken by the narrows and does not enter.

Anchorage in about fifteen fathoms, mud bottom, with protection from easterly weather, may be found for larger vessels at the head of Chamberlain Bay. Foul ground makes out from the west shore of the bay about one

half mile from its head, terminating in three rocks bare at low water.
Otherwise the survey shows the bay clear.

A plain tide staff, with two bench marks in connection, was erected at the head of Jackson Cove and a datum plane established by observations, day and night, from September 11th to September 16th.

All hydrographic and tidal records have been reduced and checked, and the fair sheet plotted, both positions and soundings.

Respectfully submitted,

Gilbert T. Rude.

Assistant, C. & G. Survey.

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Statistics Sheet Number 3543
E

Date	Letter	Vol	Positions	Soundings	Miles(Stat)	Vessel
Sept. 12	A	1	40	78	3.3	Taku
" 13	B	1	111	194	13.0	"
" 15	C	1	15	32	2.0	"
" 16	D	1	64	101	8.1	"

VEC
Feb. 13, 1914.

HYDROGRAPHIC SHEET 3543.

Glacier Island, Prince William Sound, Alaska, by Assistant
G. T. Rude in 1913.

TIDES.

	Jackson Cove ft.
Mean lower low water, or plane of reference on staff	5.9
Lowest tide observed " "	2.6
Highest " " " "	20.0
Mean range of tide	9.5

Hyd. Sheet No. 3543
Jackson Cone + Chamberlain Bay, Glacier Id.
Prince William Id. Alaska.

The work covered by this sheet was protracted and pencil plotted by the field party. The position as plotted here been accepted, with an occasional check for location, as correct.

The work is good and sufficient to develop both Cone and Bay.

The records are good and have no indefinite conditions

John D. Torrey
4/10/14.