

2853

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Diag. Cht. No. 8552 & 8554- 1

Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey HYDROGRAPHIC

Field No. Office No. II- 2853

LOCALITY

State ALASKA

General locality RESURRECTION BAY TO SELDOVIA

Locality BAY(RECONNAISSANCE)

194 06

CHIEF OF PARTY

H. W. Rhodes

LIBRARY & ARCHIVES

DATE MARCH 26, 1907

Insp'r of Hyd'y & Top'y

Assistant in Charge

POST-OFFICE ADDRESS: 1620 Bailey Building, Seattle, Washington.

TELEGRAPH ADDRESS: COAST AND GEODETIC SURVEY

EXPRESS OFFICE:

MAR 29 9 34 AM 1907

Department of Commerce and Labor

COAST AND GEODETIC SURVEY Str. McARTHUR

Seattle, Washington,

March 23rd., 1907.

RECEIVED BY ASSISTANT IN CHARGE AND REFERRED TO MAR 27 1907 Archival RMB

U. S. C. & G. SURVEY, LIBRARY AND ARCHIVES, MAR 30 1907, The Superintendent, (acc. No.)

Coast and Geodetic Survey, Washington, D.C.

ANSWERED APR 1 - 1907

Library and Archives,

Sir:-

For your information, I enclose herewith prints of two views of "McArthur Passage" from the Northward, taken on Sept. 6, 1906, and notes from my journal bearing on the McARTHUR's navigation of this channel, Sept. 6th.

".....Steam through McArthur Passage between 3rd Pye Island and mainland. Passed through at 9:00 A. M. (apparent low water); least depth in narrowest part of channel 7 1/6 fathoms. Channel about 100 meters wide and 200 meters long in narrowest part; net tidal current flowing South of from 4 to 5 knots. Pulling boat sounding ahead of ship, unable to stem current at north end of straits and taken in tow by ship."

2. By consulting the McARTHUR's log of Sept. 6th, you may find some additional information concerning this strait. Its passage is not recommended except by small vessels at slack water.

Yours respectfully,

H. W. Rhodes

Assistant, Coast and Geodetic Survey, Commanding.

Form 187.
U. S. C. & G. SURVEY,
LIBRARY AND ARCHIVES,
Department of Commerce and Labor
MAR 26 1907
COAST AND GEODETIC SURVEY
Acc. No. Washington, *Mch. 26 1907*

Respectfully $\left\{ \begin{array}{l} \text{returned} \\ \text{referred} \\ \text{forwarded} \end{array} \right\}$ to
11-683

Chief, Drawing Section.

Will you be so kind as to send handwriting letter with sheet no. 2853 & also assign distinguishing number to sheet accompanying said sheet.

MMB

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11-683

D. & E. DIVISION.

Hyd. Sheet 2853

This sheet was plotted in the Draw. Sec from field records of Asst H. W. Rhodes. The shoreline is a compilation based upon Asst Rhodes work.

This sheet should now be forwarded to the Archives for record and to be placed in a tube. The working sheet also sent herewith should be placed in the same tube for the present. Later it will be treated as a preliminary sheet & placed in a yellow tube. Please note memo of Librarian.

G. J. F.

Report on plotting

Sheet 2853

2853

U. S. C. & G. SURVEY,
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From Resurrection Bay to Seldovia Bay

The soundings for Sheet 2853 were taken with positions located with angles for P Q + R days from Port Chatham to Phiswell Islands and A day from Port Chatham east to Light House Rock (Pilot Rock) and C day from Port Chatham east Westward around to Seldovia Bay, east by courses and Log distances.

The line to the eastward had checks on Cape Elizabeth Id. Pearl Id. Chugach Ids. Gore Point, Point of Island between Gore Pt. and Pye Id. Pye Id. Seal Rocks. Phiswell Ids. and Light Ho (Pilot) Rock. The differences between the log and chart distance is adjusted between the above check points.

The line to the Westward had Magnet Rock (Cape Bid) as a check and the entrance to Seldovia Bay with bearings to two points. The difference between log

and chart distances is adjusted between the above check points.

Running from Pas 1 Friday Port Chatham entrance eastward to S.E. Pt Chugach Id abeam chart distance = 12.73 mi

Log " = 11.75 " To Point Gore "

Chart distance = 16.39 "

Log " = 15.70 " To St. Pige Id "

Chart " = 19.10 "

Log " = 19.10 " To Seal Rocks "

Chart " = 27.17 "

Log " = 25.80 " To Chiswell Ids "

Chart " = 4.58 "

Log " = 4.50 " To House Rock "

Chart " = 10.39 "

Log " = 11.04 "

Running Westward Pas. 12 O'day is located by two angles, 13-14 & 15 by one angle each and course. From Pas 15 to Magnet Rock abeam chart distance = 10.37 mi

Log " = 5.80 "

" " " From Magnet Rock to

Seldovia Bay out. Chart distance = 20.28 miles

Log " = 10.40...

These differences may be accounted for by the flood tide running strong into Cooks Inlet.

The deviation of compass from swinging ship July 16 was from $2^{\circ}30'$ to $13^{\circ}67'$ N. and $1^{\circ}04'$ to $14^{\circ}35'$ East. The soundings were taken from July 30 to October 14.

March 24th 1907

F. C. Down