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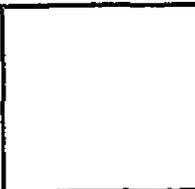
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Form 504
Ed. June, 1928

DEPARTMENT OF COMMERCE

U. S. COAST AND GEODETIC SURVEY

R. S. PATTON, Director



State: S. E. ALASKA

DESCRIPTIVE REPORT

Topographic
~~Hydrographic~~

Sheet No. 4799

LOCALITY

S. E. SIDE TULLOCH ID.,

EARSE CAUL.

1933

CHIEF OF PARTY

JACK SENIOR

Applied to new Compilation, Chart 81471 (1936).
James W. McGuire.

DESCRIPTIVE REPORT

TO ACCOMPANY TOPOGRAPHIC SHEET "H"

S. E. SIDE FILLMORE ISLAND, PEARSE CANAL

S. E. ALASKA

- 0 -

JACK SENIOR, CHIEF OF PARTY

SEASON OF 1933

DESCRIPTIVE REPORT

TO ACCOMPANY TOPOGRAPHIC SHEET "H"

S. E. SIDE FILLMORE ISLAND, PEARSE CANAL

S. E. ALASKA

INSTRUCTIONS:

The work done on this sheet was authorized by the Director's Instructions for Project No. HI-137, dated March 16, 1933.

PURPOSE:

The purpose of the topographic survey was to locate and show the nature of the shoreline, islands, rocks, and reefs within the limits of the sheet; and, to furnish control for the hydrography done in this vicinity.

LIMITS:

This sheet includes the south-east side of Fillmore Island and off-lying small islands. It extends from triangulation station MALE, 1933; Latitude $54^{\circ} 47.6'$ North, Longitude $130^{\circ} 36.9'$ West, in a north-east direction to triangulation station GIRL, 1933; Latitude $54^{\circ} 50.00'$ North, Longitude $130^{\circ} 30.3'$ West.

CONTROL:

The topography was controlled by the third order scheme of triangulation in Pearse Canal executed by Jack Senior, Commanding Str. EXPLORER, in 1933. The triangulation is based on the North American Datum.

SURVEY METHODS:

The usual plane table survey methods were used. In general, the topographic signals were located by two or more cuts from triangulation stations and verified by traverse when the shoreline was run in. The shoreline and other topographic details were located by traverse; the traverse stations being checked by resections whenever possible. All closures were within the allowable limit.

FOOT LINES:

No elevations were determined on Fillmore Island, since it was included in Contour Sheet "F", 1933, scale, 1:40,000. The elevations of the off-lying islands and rocks were determined by the usual plane table methods. Sixty feet was used as the height of trees.

COMPARISON WITH PREVIOUS SURVEYS:

No previous detailed surveys were made in this locality.

GENERAL DESCRIPTION:

Fillmore Island is heavily wooded, five miles long in a north-east, south-west direction and two miles wide. A low valley extends to the north-west from the small bay which is in Latitude $54^{\circ} 48.4'$ North, Longitude $130^{\circ} 33.6'$ West; the remainder of the island is higher and has numerous wooded knolls. The south-east side of the island has numerous off-lying rocks and small wooded islands. The small islands vary in height from 12 to 120 feet.

The principal danger shown on this sheet is the reef bearing 10 feet at M.L.L.W. in Latitude $54^{\circ} 47.6'$ North, Longitude $130^{\circ} 34.9'$ West. Passages between the small islands and Fillmore Island are not recommended, except for small craft with local knowledge.

Anchorage for moderate sized vessels is available in the small bay in Latitude $54^{\circ} 48.4'$ North, and Longitude $130^{\circ} 33.6'$ West.

DISTORTION:

No distortion of the sheet was noted while in the field.

MAGNETIC OBSERVATIONS:

Magnetic observations were made at triangulation stations "BELT, 1933" and "TAX, 1933", with the declinometer.

An observation was made at triangulation station "WOLD, 1933", with the declinometer.

Respectfully submitted,

Ernest B. Lewey

Ernest B. Lewey,
Jr. H. & G. Engr., C. & G. S.

Approved and forwarded:

Jack Senior

Jack Senior,
Commanding Officer,
U.S.C. & G.S.S. EXPLORER.

1/17/34

LIST OF STATISTICS

Number of statute miles of high water line	30.2
Number of elevations determined	64

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

1933

REG. NO.

TOPOGRAPHIC TITLE SHEET

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. 987

REGISTER NO. 111

State ALASKA

General locality Millmore Island.

Locality Mill Point to Edward Passage.

Scale 1:10,000 Date of survey SEPTEMBER, 1933

Vessel U.S.C. & G.S.S. EXPLORER

Chief of Party JACK SENIOR

Surveyed by ERNEST B. LENNY

Inked by ERNEST B. LENNY

Heights in feet above M.H.M. to ground ~~to tops of trees~~

~~Contours~~ Approximate contour, Form line interval 100 feet

Instructions dated MARCH 16, 1933

Remarks: _____

Applied to drawing of Chart No 8102

S.B.M. Sept 1934

Applied to drawing (compilation) of new Chart No 8053. S.B.M. Nov 1934

REVIEW OF TOPOGRAPHIC SURVEY No. 4799

Title (Par. 56) *Fillmore Island Alaska*Chief of Party *Jack Senior* Surveyed by *E. B. Lewey* Inked by *E. B. Lewey*Ship *Explorer* Instructions dated *Mar. 16, 1933* Surveyed in *Sept. 1933*

1. The survey and preparation for it conform to the requirements of the Topographic Manual. (Par. 7, 8, 9, 13, 16.) ✓
2. The character and scope of the survey satisfy the instructions. ✓
3. The control and closures of traverses were adequate. ✓ (Par. 12, 29.)
4. The amount of vertical control that the Manual specifies for -contours-formlines- was accomplished. (Par. 18, 19, 20, 21, 22, 23.) *See T4801*
5. The delineation of -contours-formlines- is satisfactory. (Par. 49, 50.) *See T4801*
6. There is sufficient control on maps from other sources that were transmitted by the field party to enable their application to the charts. (Par. 28.) *None Submitted*
7. ~~High water line on marshy and mangrove coast is clear and adequate for chart compilation. (Par. 16a, 43, 44.)~~
8. The representation of low water lines, reefs, ~~coral reefs and rocks~~, and legends pertaining to them is satisfactory. (Par. 36, 37, 38, 39, 40, 41.) ✓
9. Rocks and other important details shown on previous surveys and on the chart were verified. (Par. 25, 26, 27.) ✓
10. ~~The span, draw and clearance of bridges are shown. (Par. 16c.)~~
11. Locations and elevations of summits are given. (Par. 19, 51.) *See T4801*
12. The tree line was shown on mountains. (Par. 16g.) *See T4801*

NOTE: Strike out paragraphs, words or phrases not applicable and modify those requiring it. Paragraph numbers refer to those in the Topographic Manual. Use reverse side for extending remarks.

13. The descriptive report covers all details listed in the Manual, in so far as they apply to this survey. (Par. 64, 65, 66, 67.) ✓
14. ~~The descriptive report also contains additional information required in aero topography relative to type of photographs, method of compilation and type of ground control.~~
15. The descriptions of recoverable stations and references to shore line were accomplished on Form 524. (Par. 29, 30, 57, 67 except scaling of IMs and DPs, 68.) *None Submitted*
16. A list of landmarks for charts was furnished on Form 567 and plotting checked. (Par. 16d, e, 60.) *None Submitted*
17. The magnetic meridian was shown and declination was checked. (Par. 17, 52.) ✓
18. The geographic datum of the sheet is *North American 1927 (Adj.)* and the reference station is correctly noted. (Par. 34.) ✓
19. Junctions with contemporary surveys are adequate. *No Contemporary Sheets*
20. Geographic names are shown on the sheet ✓ and are covered by the Descriptive report. (Par. 64, 66k.) *Geographic Names not discussed in Descriptive Report*
21. The quality of the drafting is good. (Par. 31, 32, 33, 35, 36, 37, 38, 39, 40, 41, 42, 45, 46, 47, 48, 49, 50.) ✓
22. No additional surveying is recommended. ✓
23. The Chief of Party inspected and approved the sheet and the descriptive report after review by

24. Remarks:

Reviewed in office by *Chas. R. Bush Jr.* May 11, 1936

Examined and approved:

E. H. Green.
Chief, Section of Field Records

L. O. Pollock.
Chief, Division of Charts

Fred. R. Peacock
Chief, Section of Field Work

G. H. de
Chief, Division of Hyd. and Top.