

4714

4714 W.D.

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Form 504

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

....., Director

State: Washington

DESCRIPTIVE REPORT

Topographic } **WIRE DRAG**
Hydrographic } *Sheet No.* **4714**

LOCALITY

Puget Sound

Port Ludlow

1927

CHIEF OF PARTY

G.C. Jones

DESCRIPTIVE REPORT WIRE DRAG SHEET

PORT LUDLOW ENTRANCES 4714

June 30, 1927 to December 13, 1927.

"A" Day. A line was dragged from deep water inside the bay north to Basalt Pt. This line is all over 40 ft. effective depth and the area is all clear to the grounding off Basalt Pt. 23 ft. was found at that point and passed over with drag at 22 ft. 28 ft. was found about 1400 meters ssw (true) from Klas Rock. This was passed over with 26 ft. The least depth found with the lead at this point was 30 ft. but the drag was tested shortly before and the 28 ft. sounding may be used as a wire drag sounding.

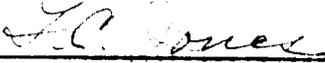
"B" day, "C" day and part of "D" day were used in this locality. The entrance near Colvos Rock was proven otherwise clear to over 40 ft. This clear channel is at no point less than 1200 m. in width.

A line with depth 27 to 44 ft. was dragged along the outer side of the shoal area southeast of Colvos Rock. That area is clear.

Part of "D" day and all of "E" day was used in dragging the shallower entrance between the buoys north of Tala Pt. The many drag lines and resulting confusion is due to repeated efforts to take a drag through with 24 ft. effective depth, even a short drag. That effort was not successful. This entrance is covered to a minimum width of 1600 meters with 22 ft. It is thought that not all the 24 ft. boulders were found due to the fact that the drag did not always held position in the current, but enough were found to justify guaranteeing this channel to 22 ft. only.

After the dragging on "E" day it was thought that the channel was all proven clear to 22 ft. Smoothplotting, however, disclosed that such was not the case and the party returned to Port Ludlow and "F" day was dragged on December 13-th to accomplish that end.

The hydrographic sheet was used for the G. L. boat sheet except for "F" day mentioned above. E. L. boat sheet and supplemental boat sheets for "F" day are forwarded with the smooth sheet.


G. C. JONES, H. & G. E.
Chief of Party, C. & G. S.

Section of Field Records

Report on U. S. Sheet No. 4714

Surveyed in - 1927

Chief of Party - G. C. Jones

Surveyed by - Field Party.

Protracted and inked by - C. R. Bush

Verified and area and depth sheet by - H. E. MacEwen.

1. The records conform to the requirements of the General Instructions. An improvement would have been made, had the regular hook up stamp been used instead of the method of tabulation adopted. In several instances difficulty was encountered in following the hook ups through.
2. The methods and character of operations fulfil the requirements of the General Instructions.
3. The depth and extent of the dragging satisfy the specific instructions.
4. Soundings were taken wherever the drag grounded and the spot later cleared to within one foot of the least depth obtained. The exceptions to this practice are on 2 days (302 and 422) where in each case the inshore end of the drag scraped along the bottom. The effective depth of the drag was retained ^{as a grounding} in each instance.
5. The supplemental hydrography is suitable for correcting the charts.
6. Overlaps are all sufficient. There are no splits.

Report on W.D. 4714 (Cont.)

7. There is no further dragging required to cover this area.
8. The field plotting was completed to the extent prescribed in the General instructions.
9. The office draftsman did not have to do over again any part of the drafting done by the field party.
10. Rating of work.
 - a. Character and scope of drag operations - Excellent
 - b. Field drafting - Excellent.

Respectfully submitted.

H. Elmer Ewan
Cartographer

Copy for Record Section files.

February 28, 1928.

(11)

Division of Hydrography and Topography:

Division of Charts:

Tide reducers are approved in
3 volumes of sounding records for

HYDROGRAPHIC SHEET 4714

Locality: HOOD CANAL, WASHINGTON.

Chief of Party: G. G. Jones, 1927.

Plane of reference is M L L W

3.3 ft. on tide staff at Port Ludlow

Condition of records satisfactory except as checked below:

1. Locality and sublocality of survey omitted.
2. Month and day of month omitted.
3. Time meridian not given at beginning of day's work.
4. Time (whether A.M. or P.M.) not given at beginning of day's work.
5. Soundings (whether in feet or fathoms) not clearly shown in record.
6. Leadline correction entered in wrong column.
7. Field reductions entered in "Office" column.
8. Location of tide gauge not given at beginning of each day's work.
9. Leadline corrections not clearly stated.
10. Kind of sounding tube used not stated.
11. Sounding tube No. entered in column of "Soundings" instead of "Remarks".
12. Legibility of record could be improved.
13. Remarks.

Chief, Division of Tides and Currents.

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

WIRE DRAG
HYDROGRAPHIC TITLE SHEET

W D

REG. NO. 4714

The Hydrographic Sheet should be accompanied by this form, filled in as completely as possible, when the sheet is forwarded to the Office.

Field No. 1

REGISTER NO. 4714

State Washington

General locality Port Ludlow Puget Sound

Locality Port Ludlow

Scale 1 : 5000 Date of survey June 30-July 8 and Dec. 13, 1927

*Scale not for order
see Bill*

Vessel Natoma

Chief of Party G.C. Jones

Surveyed by G.C. Jones

Protracted by C.R. Bush

Soundings penciled by

Soundings in fathoms feet

Plane of reference MLLW

Subdivision of wire dragged areas by

Inked by

Verified by

Instructions dated May 3rd, 1927

Remarks: