

4732

Diag. Cht. Nos 6002-2

Form 504					
DEPARTMENT OF COMMERCE					
U. S. COAST AND GEODETIC SURVEY					
....., Director					
State: Washington					
<table border="1"><tr><td>G. & G. SURVEY</td></tr><tr><td>L. S. A.</td></tr><tr><td>FEB 27 1928</td></tr><tr><td>Acc. No.</td></tr></table>		G. & G. SURVEY	L. S. A.	FEB 27 1928	Acc. No.
G. & G. SURVEY					
L. S. A.					
FEB 27 1928					
Acc. No.					
DESCRIPTIVE REPORT					
<i>Topographic</i> <i>Hydrographic</i>	Sheet No. ⁵⁻⁴⁷³² 4732				
LOCALITY					
Willapa Bay					
Off Willapa Bar					
1927					
CHIEF OF PARTY					
T.J. Maher					

GOVERNMENT PRINTING OFFICE

4732

DESCRIPTIVE REPORT
to accompany
HYDROGRAPHIC SHEET No.5 4732

Coast of Washington, Off Willapa Bar

June
1927

Steamer GUIDE

Thos. J. Maher
Chief of Party

DESCRIPTIVE REPORT
to accompany
HYDROGRAPHIC SHEET NO.5
Coast of Washington, Off Willapa Bar.

LIMITS: From Latitude $46^{\circ} 34'$ to $46^{\circ} 40'$, Longitude $124^{\circ} 07'$ to $124^{\circ} 18'$.

The hydrography covered on this sheet is intended to supplement that shown of Sheet No.3, Ship GUIDE, 1926, and descriptive report of that sheet should be referred to. The area covered joins Sheet No.3, 1926, on the south and west. Launch Sheet C, 1926, on the east and Sheet No.4 of this season (1927) on the north.

All work on this sheet was done by tubes, trolley rig and hand lead soundings.

As this sheet was done under conditions of poor visibility when work further off shore was impossible, preference should be given to the junction soundings on Sheet C, 1926, in case any discrepancy is found to exist.

Thos. J. Maker,
Chief of Party,
Steamer GUIDE.

TABLE OF STATISTICS FOR SHEET NO.5.

Date, 1927.	Letter	Vol.	Positions	Soundings	Miles Stat.
June 10	A	1	115	200	54.0
" 11	B	1	17	27	5.0
" 13	C	1	12	19	2.5
" 14	D	1	104	177	33.3
" 15	E	1	80	122	30.0
" 15	E	2	42	76	9.7
" 16	F	2	84	140	22.0
" 17	G	2	147	338	40.0
" 18	H	3	20	45	7.0
" 20	J	3	49	95	14.5
TOTAL	9	3	670	1239	218.0

Copy for Record Section files.

F. J. H.
February 28, 1928.

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Division of Hydrography and Topography:

Division of Charts:

Tide reducers are approved in
3 volumes of sounding records for

HYDROGRAPHIC SHEET 4732

Locality: **WASHINGTON COAST**

Chief of Party: **T. J. Maher, 1927.**
Plane of reference is **M L L W**
2.4 ft. on tide staff at **Westport**

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.

G. V. Rude

Chief, Division of Tides and Currents.

IN REPLY ADDRESS THE DIRECTOR
U. S. COAST AND GEODETIC SURVEY
AND NOT THE SIGNER OF THIS LETTER

AND REFER TO No. 11-DRM

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

WASHINGTON

August 28, 1928.

SECTION OF FIELD RECORDS

Report on Hydrographic Sheet No. 4732

Off Willapa Bar, Washington

Surveyed in 1927

Instructions dated March 5, 1927

Chief of Party, Thos. J. Maher.

Surveyed by T. J. M.

Protracted and soundings penciled by V. M. Gibbens.

Verified and inked by J. T. Jarman.

1. The records conform to the requirements of the General Instructions. However, the office draftsman found it necessary to compute and record the average for the reduced tube soundings in the records.
2. The plan and character of development fulfill the requirements of the General Instructions.
3. The sounding line crossings are adequate.
4. The usual depth curves can be completely drawn.
5. The field plotting was completed to the extent prescribed by the General Instructions. However, the field draftsman failed to notice changes in the time interval. Soundings were spaced at uniform distances between positions as though the time interval was regular over the entire survey.

The following errors in plotting were noted by the office draftsman:

- a. Left out 30 fathom sounding between 80A and 81A.
- b. Placed sounding on position 88A when it should have been a miss. The above error caused soundings on the five succeeding positions to be incorrectly plotted.
- c. Placed 28 fathom sounding on position 102A when it should have been 29 fathoms. In like manner, erroneous soundings were placed on the following positions:

Between 64D and 65D
 " 74D and 75D
 Position 78D
 Between 84D and 85D
 Position 85D
 " 5F
 " 6F

Statistics on the sheet follow:

No. of positions	670
" " " checked	174
" " " incorrect	5
" " soundings	1239

Character of work - open

Time interval - generally regular

6. The junction with H. 4620 was examined and found good. The scales on these adjoining sheets are various, the soundings are in feet and fathoms respectively and the amount of overlap is extensive. In addition, the Descriptive Report on H. 4732 states that preference should be given to the junction soundings on H. 4620 in case discrepancies arise. In view of the above facts, the overlap was not shown (approved by Authorities). The sheets covering areas on the north and south respectively have not been verified and no inspection of the junctions was made.
7. Remarks: The line, 16D to 30D inclusive was omitted from the smooth sheet, due to the difficulty the party was having with the tubes and the fact that the line disagrees with soundings on "J" day as well as soundings taken in the same area on adjacent sheets.
8. Report by J. T. Jarman, May 7, 1928.

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

REG. NO. 4732

HYDROGRAPHIC TITLE SHEET

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. 5

REGISTER NO. 4732

State Washington

General locality ~~Washington Coast~~ Willapa Bay

Locality Off Willapa Bar

Scale 1:40,000 Date of survey June 10 to June 20, 1927

Vessel Steamer GUIDE

Chief of Party Thos. J. Maher

Surveyed by Thos. J. Maher

Protracted by V. M. Gibbens

Soundings penciled by V. M. Gibbens

Soundings in fathoms ~~xxx~~

Plane of reference M L L W

Subdivision of wire dragged areas by

Inked by

Verified by

Instructions dated March 5, 1927, 192

Remarks: Three volume to accompany this sheet.