

4751

Diag. Cht. No. 6960-1

Form 504
 DEPARTMENT OF COMMERCE
 U. S. COAST AND GEODETIC SURVEY

State: WASHINGTON

Hydro Sheet No. 13

LOCALITY:
 PUGNET SOUND.
 COMMERCIAL BAY, TACOMA, WASH.
 Tacoma Inner Harbor

1927-1928

CHIEF OF PARTY:
 G. C. JONES, H. & G. E.

H. & G. SURVEY
 L. & A.
 MAR 26 1928
 Acc. No.

4751

DESCRIPTIVE REPORT OF HYDROGRAPHIC SHEET,

FIELD No. 13

WATERWAYS AREA, COMMENCEMENT BAY.

Instructions dated : May 3, 1927

Party of M.V. NATOMA, G.C. JONES, H.&G.E. Cmdg.

The waterways area was covered by one 1:5000 sheet as above. Soundings were carried over the 10 fathom curve in accordance with Director's Instructions.

HYLEBOS CREEK WATERWAY. This waterway is substantially the same as when sounded in 1919. Some slight shoaling is noted. The docks at the waterway entrance are no longer used and are rapidly deteriorating. The upper portion of the waterway was inaccessible being completely blocked by logs. Approximately the same depths were found between Hylebos Creek and Wapato Waterways except for some slight shoaling noted Northwest of signal LIMB.

WAPATO WATERWAY. This waterway has been dredged and the Port Dock built since the last survey and is so charted. The deep soundings on the Northeast side, about which specific inquiry was made, were not sounded as that area is now completely blocked by log rafts. There is no evidence that filling has been done at that point, in fact the contrary. Southwest of the Wapato Waterway entrance log booms prevented soundings. That area is set aside for the purpose and is used for nothing else. Southwest of the Port Docks the flats are nearly filled with log mooring dolphins and rafts. Lines were run between the piles where possible, but little of the area could be reached.

MILWAUKEE WATERWAY. This waterway shows no appreciable change inside but does show the formation of a bar across the entrance.

PUYALLUP WATERWAY. This waterway was not completely sounded in accordance with Director's letter dated December 29, 1927. Copy of Army Engineers survey is forwarded with the sheet. After sounding across the entrance it was found that our survey did not agree at the entrance. Accordingly more sounding was done to cover the area completely and carefully. Inside the waterway the surveys did agree and the work was not carried further.

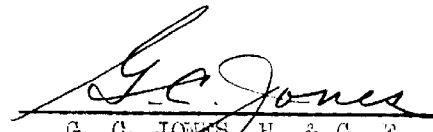
In connection with this waterway it should be noted that important developments are now in progress on the SW. shore and the present survey will be out of date within the coming summer.

MIDDLE WATERWAY. Little change is noted in this waterway. A little dredging along the docks on the Northeast side is

apparent.

Between this waterway and the City Waterway the bulkhead now charted is practically gone and now exists as a submerged rock breakwater baring at low tide.

CITY WATERWAY. This survey was only carried beyond the 11-th Str. Bridge in order to overlap the Army Engineers survey of September 1927. No changes of note were found in this waterway.


G. C. JONES, H. & G. E.
Commanding NATOMA.

STATISTICS

SHEET
No. 13.

DATE	Letter	Volu mes	Positions	Soundings	Miles, stat.	Vessels.
Jan. 20-1928	a	1	32	204	3.2	Motor-sailer No. 8610
" 21 - "	b	1	69	397	5.9	" " "
" 23 - "	c	1	88	432	5.2	" " "
" 24 "	d	1	81	324	4.3	" " "
" 25 "	e	2	97	400	3.1	" " "
" 26 "	f	2	149	613	8.7	" " "
" 28 "	g	2	7	23	0.5	" " "
" 30 "	h	2/3	135	557	5.8	" " "
" 31 "	i	3	108	533	4.6	" " "
Feb. 1 "	k	3	89	401	3.4	" " "
" 2 "	l	3/4	82	402	3.9	" " "
Total:			937	4286	48.6	

Soundings in feet.

Plane of reference: MLLW

Lowest tide observed: } Same as on sheet #12
Highest " " } Tacoma.

Tide gauge located at Balfour & Guthrie Dock
Tacoma, Washington.

March 27, 1928.

(11)

718A

Division of Hydrography and Topography:

Division of Charts:

Tide reducers are approved in
4 volumes of sounding records for

HYDROGRAPHIC SHEET 4751

Locality: COMMENCEMENT BAY, WASHINGTON.

Chief of Party: G. O. Jones, 1928.

Plane of reference is M L L W

2.4 ft. on tide staff at Tacoma.

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. W. ...

Chief, Division of Tides and Currents.

Section of Field Records.

Report on Hydrographic Sheet No. 4751.

Tacoma Inner Harbor. Washington.

Surveyed in 1927-1928

Date of instructions May 3, 1927 (Natomas)

Chief of Party, G. C. Jones.

Surveyed by G. C. Jones.

Protracted and soundings plotted by N. J. Chovan.

Verified and inked by J. W. Torrey.

1. The records conform to the requirements of the General Instructions.
2. The plan and Character of development conform to the requirements of the General Instructions.
3. The plan and extent of development satisfy the specific instructions except that all of Hylebos Creek Waterway and Napaato Waterway is not sounded by reason of log booms interference and the sounding in Puyallup Waterway was not completed for reasons stated in the Descriptive Report.
4. Only a limited number of sounding lines cross but these are adequate.
5. The information is sufficient for drawing the usual depth curves.
6. The field plotting was complete to the extent required by the General Instructions.
7. No part of the field drafting required to be done over.
8. The junction with sheet H-4752 is satisfactory.
9. No further surveying is required to more fully develop the areas within the limits of this sheet.
10. The Character and scope of surveying ^{are} excellent.

and the field drafting good.

11. Revised by J. D. Torkey.

12. Inspected by A. L. Shalant.

additional development desirable over

13 and 15 foot sops. in lat $47^{\circ}17' - 22 - 210$ m. long $122^{\circ}24' - 30'' - 305$ m.

and lat. $47^{\circ} - 17' - 170$ m. long $122^{\circ} - 24' - 30'' - 240$ m. respectively.

Southwest of Wapato Waterway soundings
should have been taken from the offshore limit
of the log boom to where a proper junction would
have been made with the old sewer.

A. L. S.

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

REG. NO.
4751

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. 13 **4751**

REGISTER NO.

State WASHINGTON

General locality Puget Sound, ~~the~~ Commencement Bay

Locality Commencement Bay, Tacoma, Wash. Inner Harbor

Scale 1 : 5000 Date of survey December - February, 1927 - 28

Vessel U. S. M. V. NATOMA

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

Surveyed by G. C. JONES, H. & G. E.

Protracted by Walter J. Chovan, Aid

Soundings penciled by Walter J. Chovan, Aid.

Soundings in fathoms feet

Plane of reference M.L.L.W.

Subdivision of wire dragged areas by

Inked by J. D. Torrey.

Verified by J. D. Torrey.

Instructions dated May 3-rd 1927, 192

Remarks:

Field Records Section (Charts)

(Sonic + R.A.R. Control)

4753

HYDROGRAPHIC SHEET No. - - - -

The following statistics will be submitted with the cartographer's report on the sheet:

Number of positions on sheet 659
Number of positions checked 114
Number of positions revised 30 approx.
Number of soundings recorded 2576
Number of soundings revised 120 approx.
Number of signals erroneously
plotted or transferred

Date: - - Jan. 31, 1928 - - - - -
Cartographer: - - E. Pisejari - - - - -