

4333

Form 504	
DEPARTMENT OF COMMERCE	
U. S. COAST AND GEODETIC SURVEY	
MAR 16 1928	
Acc. No. MAR 26 1929	
State: Washington	
11-5013	
DESCRIPTIVE REPORT.	
Topo	Sheet No. L 4333
LOCALITY:	
Puget Sound, Commencement Bay	
Tacoma Inner Harbor, Docks	
and Waterways	
19128	
CHIEF OF PARTY:	
G. C. Jones, H. & G. L.	

DESCRIPTIVE REPORT TO ACCOMPANY TOPOGRAPHIC SHEET

Register # 4333  
Field # L

Tacoma Inner Harbor, Wash.

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INSTRUCTIONS AND LIMITS OF SHEET : This survey was executed in accordance with The Director's orders to the Commanding Officer, Motor Vessel NATOMA, dated May 3, 1927. It includes a topographic survey of Tacoma Inner Harbor, covering the several docks and waterways, from the Municipal Docks on the City Waterway east to the east shore of Hylebos Creek Waterway, and from the mouths of the several waterways, south to the salt marshes surrounding the Puyallup Indian Reservation. This sheet joins the 1:10000 topographic sheet at the mouth of the City and Hylebos Creek Waterways.

CHANGES : Several changes in the buildings on the various docks along the waterways are undergoing or have undergone changes since the survey of 1919.

Old piles along the northwest face of the slip west of the Middle Waterway are not shown on this sheet but are shown on the 1:5000 Hydrographic Sheet. The old docks on the northwest face of the slip west of the Puyallup Waterway are now only pile stubs, and are shown on the 1:5000 Hydrographic Sheet. The slip on the west side of the Puyallup Waterway is undergoing radical changes relative to shape of slip and buildings thereon. A new pulp mill is now under construction on this slip. Several fields of mooring dolphins located in the various waterways are shown on the 1:5000 Hydrographic Sheet. The piles shown on chart 6451, on the west side of the Hylebos Creek Waterway a half mile southeast of the end of the slip, are now rotted away. The buildings on this slip, most notably on the outer end of the slip, are now in a state of ruin and are abandoned.

Any changes which might have occurred in the shoreline of the salt marsh surrounding the Puyallup Indian Reservation, cannot be noted, as this territory was sketched and not accurately surveyed.

LANDMARKS : All prominent landmarks, of any aid to navigation, were cut in by triangulation, and will be forwarded with that data.

CORRECTIONS TO CHARTS : On chart 6451 there are not shown two beacons which exist on the Port of Tacoma Docks or nearby. On chart 6460, these beacons are shown in their correct location, but are shown as two green beacons. The beacon on a dolphin about eighty five (85) meters off the north corner of the north slip is a red beacon and the beacon adjacent to the east face, at the

*See letter 471 of 1924*

outer end of the second slip, is a green beacon.

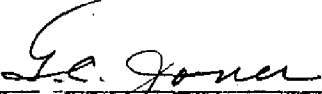
SURVEY METHODS : The entire survey was made by ordinary planetable survey methods, several three point fixes being taken throughout the progress of the survey to check the traverse. Some of the signals located on off-shore objects were located by planetable triangulation, but the majority were located while traversing from one station to another.

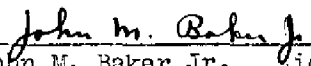
MAGNETIC MERIDIAN : The direction of the magnetic meridian given on this sheet was determined from observations for compass variation with a compass declinometer at triangulation station THEO.

SURVEY PARTY : The topography in the field was executed by Lt. (j.g.) A. F. Jankowski, and the details of the sheet inked by the same party. The sheet, including the names of the signals, lettering and other minor details, was completed by the undersigned party.

Approved and forwarded:

Respectfully submitted,

  
G. C. Jones, H & G. E.  
Cmdg. Motor Vessel NATOMA.

  
John M. Baker Jr., Lid.

*Inspected and found adequate*

*E. P. Ellis*

*Apr. 1928*

PLANE TABLE POSITIONS.

Objects and Descriptions	Latitude	D. M. meters	Longitude	D.P. meters	Remarks
⊙ BAT. Green light on Dolphin. West entrance to Milwaukee Waterway.	47° 16'	388 ( 1564)	122° 25'	494 ( 767)	Top.
⊙ RAN. Pile center of tide flats. S.E. of Port Docks.	47° 16'	250 ( 1602)	122° 24'	1114 ( 147)	Top
⊙ Sow. Pile center of tide flats S. E. of Port Docks.	47° 16'	347 (1505)	122° 24'	956 ( 305)	Top
Red light on dolphin S.W. entrance to Wapato Waterway	47° 16'	1380 ( 472)	122° 24'	1186 ( 75)	Top
⊙ Post. Telephone post with platform on top, in Hylebos Waterway.	47° 16'	1370 ( 482)	122° 24'	41 ( 1220)	Top.
⊙ ROLL. Tall black stack of Lumber Yard.	47° 16'	1191 ( 661)	122° 23'	811 ( 450)	Top.

## DEPARTMENT OF COMMERCE

DIVISION OF CHARTS, FILE NO. ....

U. S. COAST AND GEODETIC SURVEY

## LANDMARKS FOR CHARTS

Tacoma, Washington

February 21-st, 1928

SUPERINTENDENT, U. S. COAST AND GEODETIC SURVEY:

The following determined objects are prominent, can be readily distinguished from seaward from the description given below, and should be charted:

G. C. JONES, H. &amp; G. E.

Chief of Party.

DESCRIPTION.	POSITION.					Method of determination.	Charts affected.
	Latitude.		Longitude.		Datum.		
	°	D. M. meters.	°	D. P. meters.			
Stack, tall, black iron	47	16	1119.2	122 24	434.6	N.A.	3-rd Ord 6451 & 6460
Tank, red, water	47	15	851.4	122 24	934.4	"	" " " "
Tank, water, black iron	47	15	347.8	122 25	288.1	"	" " " "
Stack, brk. S. Twin	47	15	520.1	122.25	365.7	"	" " " "
" " N. "	47	15	544.5	122.25	383.1	"	" " " "
Tank, water, black iron	47	15	1156.6	122.25	257.3	"	" " " "
" " " "	47	15	452.7	122.25	912.4	"	" " " "
" " " "	47	16	1042.0	122.24	876.9	"	" " " "
" " " "	47	16	84.6	122.25	358.6	"	" " " "
NOTE: All above water tanks are tall and prominent, making excellent marks for bearings, etc.							
Dome, St. Jos. Hosp.	47	14	1298.0	122.26	1000.6	N. A.	3-rd Ord 6451 & 6460
Tower, high square, tur- reted	47	15	722.7	122.26	871.3	"	" " " "
Stack, tall, wh. on sky- line	47	15	1173.6	122.27	113.6	"	" " " "
Tower, church, ornate	47	15	1559.3	122.26	985.1	"	" " " "
Stack, brick, S.E. Twn.	47	15	245.8	122.26	25.2	"	" " " "
" " N.W. "	47	15	266.2	122.26	38.0	"	" " " "
Tank, large, bright on skyline	47	16	1094.5	122.30	816.0	"	6460 " "

A list of objects which are of sufficient prominence for use on the charts, together with a description of the same, must be furnished in a special report on this form, and a copy of such report must be attached by the Chief of Party to his descriptive report. The selection, determination, and description of these points are of primary importance.

The description of each object should be short, but such as will identify it; for example, standpipe, water tower, church spire, tank, tall stack, red chimney, radio mast, etc. Generally, flagstaves and like objects are not sufficiently permanent to chart.

## DEPARTMENT OF COMMERCE

DIVISION OF CHARTS, FILE NO. ....

U. S. COAST AND GEODETIC SURVEY

P. 2

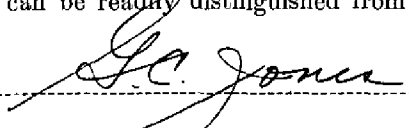
## LANDMARKS FOR CHARTS

Tacoma, Washington

February, 21, 1928

SUPERINTENDENT, U. S. COAST AND GEODETIC SURVEY:

The following determined objects are prominent, can be readily distinguished from seaward from the description given below, and should be charted:

  
 Chief of Party.

DESCRIPTION.	POSITION.					Method of determination.	Charts affected.
	Latitude.		Longitude.		Datum.		
	"	D. M. meters.	"	D. P. meters.			
High School, F. P.	47 16	8.6	122 26	1049.2	N. A.	3-rd Ord.	6451 & 6460
Note : Flag pole is on one of central towers of High School Building which is very prominent from waterfront.							
S. W. Trans. Tower	47 16	978.4	122 31	973.8	N. A.	3-rd Ord.	<del>6451</del> & 6460
N. E. " "	47 16	1024.4	122 31	943.5	"	"	" "
NOTE : S.W. transmission tower has flashing red air beacon on top. These towers are very large and prominent in day time.							
Light, City W. way	47 15	1349.9	122 26	169.8	N. A.	3-rd Ord	6451 & 6460
Occ. Wh. Lt. at entrance to City waterway.							
Standpipe	47 14	1143.7	122 26	1028.2	"	"	" "
Stack, smelter	as charted at present.						
City Hall Tower, illuminated clock	47 15	<sup>878.6</sup> <del>974.0</del>	122.26	426.0	"C	"	" "
Court Ho. Tower, illum	47 15	394.7	122.26	915.3	"	"	" "
NOTE : Last 3 positions taken from triangulation data furnished by office. They are apparently already reduced to N. A. datum.							

A list of objects which are of sufficient prominence for use on the charts, together with a description of the same, must be furnished in a special report on this form, and a copy of such report must be attached by the Chief of Party to his descriptive report. The selection, determination, and description of these points are of primary importance.

The description of each object should be short, but such as will identify it; for example, standpipe, water tower, church spire, tank, tall stack, red chimney, radio mast, etc. Generally, flagstaves and like objects are not sufficiently permanent to chart.

DEPARTMENT OF COMMERCE  
U. S. COAST AND GEODETIC SURVEY

REG. NO.

4333

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. L

REGISTER NO. **4333**

State Washington

General locality Commencement Bay

Locality Tacoma Inner Harbor Docks and Waterways

Scale 1 : 5,000 Date of survey Oct. - Dec., 192 7

Vessel U. S. C. & G. S. L. V. NATOMA

Chief of Party G. G. Jones

Surveyed by A. E. Jankowski

Inked by A. E. Jankowski J. L. Baker Jr.

Heights in feet above \_\_\_\_\_ to ground to tops of trees

Contour, Approximate contour, Form line interval \_\_\_\_\_ feet

Instructions dated May 3., 1927

Remarks: \_\_\_\_\_