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Department of Commerce and Labor
COAST AND GEODETIC SURVEY

E. Lester Jones
Superintendent.

State: *Wash.*

DESCRIPTIVE REPORT.

Top Sheet No. *3528*

LOCALITY:

1915

CHIEF OF PARTY:

11-4645

8563

3528

DEPARTMENT OF COMMERCE

U.S. Coast & Geodetic Survey

E. Lester Jones, Superintendent

Top. 3528.

DESCRIPTIVE REPORT

of

TOPOGRAPHIC SHEET

of

SOUTHERN PART OF PORT TOWNSEND BAY,

WASHINGTON.

Surveyed during May and June, 1915.

Scale 1/10000

By party of U.S.S. PATTERSON,

H.C. Denson, Ass't.,
Commanding.

M.O. Nelson, Aid,
Topographer.

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DESCRIPTIVE REPORT TO ACCOMPANY TOPOGRAPHIC SHEET SOUTHERN PART OF PORT
TOWNSEND BAY, WASHINGTON.

* * * * *

The revision of shoreline and addition of improvements commences at Chimikim Creek, Lat. 48 degrees 03', one-half mile North of Irondale and extends South to Oak Bay, Lat. 48 degrees 01 $\frac{1}{2}$ '. The most Easterly point included lies in Oak Bay and is of longitude 122 degrees 43 $\frac{1}{2}$ ', and the Westerly limit is the Chimikim Creek wooden truss bridge, longitude 122 degrees 46 $\frac{1}{2}$ '. Only the Western shore of Port Townsend Bay was revised as no improvements have occurred on eastern shore.

SURVEY METHODS

The regular type of Coast and Geodetic Survey plane table equipment was used. Most of the buildings and all of the roads were run in from traverses commencing at Δ signals, and tied in by three-point positions or Δ stations or landmarks already located. The center line and cut of the Canal running North from Oak Bay into Port Townsend Bay is shown. The shoreline from the North end of the canal running West is practically unchanged, with the addition of a long dock at the Chemical Works lying South of the small island just S.E. of Port Hadlock - and noting that the docks at Port Hadlock except as shown are ruins. Considerable change is to be seen in the Irondale Wharf. The Steel plant buildings at Irondale are reparable but quickly approaching the state of ruins. The shoreline from Irondale Wharf North to Chimikim Creek is changed by the construction of a piled and planked sea wall. An outer row of piles with normal braces reinforces the inner wall. The space between the old bluff and the sea wall is filled in with sea-sand. Elevation same as Dock, viz. about 5 feet above H.H.W.

Merely the character of the L.W. beach is indicated. The shoreline be-

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tween signal Haddock and signal Point is practically the same as on old chart and was not re-run.

The contours on old sheet appeared correct at the present time, hence were not re-run.

The cutting of the canal between Oak and Port Townsend Bays has not been completed. The progress of the canal is shown on the topographic map.

Respectfully submitted,

M. C. Nelson

Aid, Coast & Geodetic Survey,

Topographer.

Party of U.S.S. PATTERSON.

H.C. Denson, Ass't.

Commanding.

approved

H.C. Denson

Asst Comdr

*Canal completed and in operation.
See transmitting letter on file in library.
and Bp. 15665.*

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GEOGRAPHIC POSITIONS OF LANDMARKS. (Scaled to nearest meter)

	Latitude			Longitude		
	o	'	m	o	'	m
Center line Red Elevator Tower Old						
Irondale Steel Plant 231 meters S.W.						
of Irondale Dock Beacon	48	02	1100	122	46	<u>54</u>
Windmill in Port Hadlock on top of						
bluff	02		50	45		425
Center line Red Water Tower below bluff						
near beach	02		87	45		164
Gilded ball flag-pole on red conical-						
roofed 1 story octagonal building						
on top of bluff	02		<u>17</u>	45		293
Beacon or Light Post end Chemical						
Works Dock	02		<u>98</u>	45		<u>477</u>
Hut 250 meters S.W. of signal Point	02		<u>183</u>	44		286
Pile about 180 meters N.E. of signal						
Point	02		187	44		90
Pile about 215 meters E. of signal Point	02		<u>57</u>	44		<u>05</u>
" " 265 " S.E. " " "	02		16	44		40
" " 535 " S.E. " " "						
(tide staff nailed)	02		<u>266</u>	44		<u>205</u>
Hydrographic Signal flag	02		<u>761</u>	43		212
" " (Center line Dol-						
phin end pin - S. end Oak Bay Canal	01		840	43		417
Hydrographic Signal (Signal shaped white						
U.S.A.E. signal)	01		971	43		556
Center line U.S.A.E. black shed S. end						
Oak Bay Canal Beach	01		927	43		<u>612</u>
Hydrographic Signal Fence Post end fence	01		750	44		<u>445</u>
" " N. Gable red barn	01		76	44		<u>333</u>
" " Derrick	01		368	44		<u>226</u>
" " Sawmill	01		350	44		221

**** STATISTICS ****

covering

TOPOGRAPHY

in

PORT TOWNSEND BAY, WASHINGTON.

Statute miles roads	3.3
" " shoreline	4.6
" " creek	.3
Square statute miles of area	2.0