

# 4253

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Form 504	
DEPARTMENT OF COMMERCE	
U. S. COAST AND GEODETIC SURVEY	
....., Director	
<div style="border: 1px solid black; width: 100px; height: 80px; margin: 0 auto;"></div>	
State: <u>Washington</u>	
<b>DESCRIPTIVE REPORT</b>	
<i>Topographic</i> <i>Hydrographic</i>	Sheet No. <sup>6</sup> <b>4253</b>
LOCALITY	
<u>Willapa Bay</u>	
<u>Cape Shoalwater to Take Pt.</u>	
.....	
1926	
.....	
CHIEF OF PARTY	
T. H. Maher	

U. S. COAST & GEODETIC SURVEY  
E. Lester Jones, Director

DESCRIPTIVE REPORT TO ACCOMPANY  
TOPOGRAPHIC SHEET #6 4253  
VICINITY WILLAPA BAY, WASHINGTON

U.S.S. GUIDE  
Season 1926  
Thos. J. Maher, Chief of Party

DESCRIPTIVE REPORT

To Accompany

TOPOGRAPHIC SHEET

No. 6.....  
Scale.. 1:20,000..

U. S. S. GUIDE, 1926,

Thos. J. Maher, H & G E, Commanding.

## DESCRIPTIVE REPORT

Topographic Sheet #6

U.S.S. GUIDE, Season 1926

Scale: 1:20,000.

Limits: Lat.  $46^{\circ}-34'$  -  $46^{\circ}-45'$ Long.  $123^{\circ}-49'$  -  $124^{\circ}-08'$ Projection at angle of  $116^{\circ}$  to  
long edge of sheet.

This sheet covers the north shore of Willapa Bay from Toke Point westward to Cape Shoalwater. It includes those houses showing on the south side of Tokeland; a portion of the gravel road from Tokeland to Westport and Aberdeen; North Cove; and the changes in ~~Sand~~ Islands and spit off North Cove.

This revision survey was made in accordance with your verbal orders of July 7, 1926; and in conformity with the Director's Instructions dated April 17, 1926, a copy of which is attached to report on Sheet #1. The projection was made for locating certain signals by the party of Lieutenant O.S. Reading in July, 1926. Lieutenant Reading was finishing his survey of Willapa Bar when I reached Tokeland, and since this sheet was more conveniently projected for controlling the survey around Toke Point, it was transferred to me. The only topography, beyond a few cuts, on this sheet when transferred to me was about one-half mile of shore line around the sand spit south of North Cove. This was re-run by me, and slightly altered to conform to the existing high water line.

I commenced work on this sheet August 9, 1926, and completed it August 18, 1926. Very bad weather was experienced during this period. Only two and one-half days of surveying weather was experienced, due to haze, fog, and storms. The time was utilized in signal building up the beach to Gray's Harbor.

CONTROL was by triangulation signals that had been recovered and built up by Lieutenant Reading (see his "recovery notes", report of survey of Willapa Bar, 1926).

TRIANGULATION ERROR. A cast iron pipe in a concrete block was found in what was thought to be the position of triangulation station "George", but later this station did not check the plotted position of "George". This station is on the Northeast side of North Cove, and it should not be used until it can be positively identified and checked.

SHORELINE. High water line is accurately located. The stepping to low water was determined by rod readings on low water and interpolation. The small islands and sand spit off North Cove are changeable areas with the prevailing wind and currents.

NORTH COVE is  $2\frac{1}{2}$  miles west of Toke Point. It dries at low water. The head of the cove has extensive grass and mud flats. There is a Coast Guard Station in North Cove. Their life-boat is kept anchored on the north side of Toke Point.

TOKELAND is on the north shore of Willapa Bay five miles east of Cape Shoalwater. It is a rapidly improving little summer village. It has the first dock on the north side of Willapa Bay. There is auto-ferry service to South Bend, and a good gravel highway has been completed through Grayland to Westport and Aberdeen. Only those houses visible on the south side of Toke Point and Tokeland are shown on this sheet.

LANDMARKS. The best landmarks on this revision sheet are: The flag tower at North Cove Coast Guard Station; the Willapa Bay Lighthouse; and Toke point.

*William T. Combs*  
William T. Combs,  
H & G Engineer.

*Approved.*  
*J. M. Fisher*  
*Comandante*

U. S. COAST & GEODETIC SURVEY

E. Lester Jones, Director

LIST OF PLANE TABLE POSITIONS  
To Accompany

TOPOGRAPHIC SHEET #6

*Vicinity of Willapa Bay  
Washington.*

U. S. S. GUIDE  
1926

Thos. J. Maher, H & G E  
Chief of Party

Sheet of plane table positions to accompany Sheet #6.

Object or Station	Latitude	D.M. Meters	Longitude	D.P. Meters	Height	Remarks and Description
* Boat	46-42	(200.0) 1652.7	124-04	(224.0) 1050.7		water. CG Boathouse, Cape Shoal-
Lone ("Duke")	" 43	(1741.0) 111.7	" 02	(81.3) 1193.0		Spruce on sand dune 320 ms W of CG quarters.
* Flag	" "	(1699.4) 153.3	" "	(401.0) 873.3		C.G. Flag Tower, North Cove.
Pin	" "	(1756.3) 96.4	" "	(1000.3) 274.0		Tripod near point
Chim	" "	(846.0) 1006.7	" "	( 13.0) 1261.3		Chimney, prominent house head of cove.
Stump	" "	(1708.4) 144.3	" 00	(198.0) 1076.3		WW stump, bank eroded back of it.
Jim	" 42	(641.2) 1211.5	" "	(1033.4) 241.3		Tin sign erected and WW
Flag	" "	(966.7) 886.0	123-59	(1009.7) 265.0		Prom <del>e</del> flagstaff
Tall	" "	(1476.7) 376.0	" 58	(1038.7) 236.0		A tall tripod signal of drift 70 ms S of $\Delta$ Fisher <sub>2</sub>
*Toke Pt.Lt.	" "	(1432.7) 420.0	" 57	(587.0) 686.7		Pile light 520 ms ESE of Tokeland dock.

\* These objects recommended to be charted as landmarks.

DEPARTMENT OF COMMERCE  
U. S. COAST AND GEODETIC SURVEY

REG. NO. 4253

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. 67

REGISTER NO. **4253**

State WASHINGTON

General locality PACIFIC COAST Willapa Bay

Locality ~~Pacific County~~ Cape Shoalwater to Toke Pt. Willapa Bay

Scale 1:20,000 Date of survey Aug. 7-18, 1926

Vessel U.S.S. GUIDE

Chief of Party Thos. J. Maher

Surveyed by Wm. T. Combs

Inked by "

Heights in feet above H.W. to ground ~~to tops of trees~~

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

Instructions dated April 17, 1926

Remarks: Shoreline Revision Survey