

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

6807 1

REG. NO.

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. C - 40

REGISTER NO. **T6807**

State Washington

General locality Grays Harbor

Locality Entrance to South Bay

Scale 1/10,000 Date of survey January, 1940

Vessel Discoverer

Chief of party G. L. BEAN

Surveyed by E. F. HICKS, Jr

Inked by E. F. HICKS, Jr

Heights in feet above _____ to ground to tops of trees

Contour, Approximate contour, Form line interval _____ feet

Instructions dated April 13,, 1939

Remarks: _____

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DESCRIPTIVE REPORT

To Accompany

Topographic Sheet C

Project No 235

Grays Harbor, Wash.

I Instructions

The work on this sheet was done in accordance with instructions dated April 13 and 26, 1939. Field work was begun in Jan. 22, 1940 and completed Jan. 29, 1940.

II Limits

This sheet covers the northern part of the entrance to South Bay between parallels $46^{\circ}-54.3'$ and $46^{\circ}-52.9'$ on the west and $46^{\circ}-54.0'$ and $46^{\circ}-52.9'$ on the east. The sheet was originally laid out to include part of Sand Island, but subsequent examinations showed Sand Island is ~~Covered~~ at mean high water, hence it is not shown on the sheet.

III Junctions

This sheet joins sheet A at the northwest corner along Meridian $124^{\circ}-.06'$. This junction has been compared and is satisfactory. ^{T-6805(1939)}
It joins sheet B on the South; this junction has been compared, ^{T-6806(1940)} and is satisfactory. The sheet joins sheet "D" on the west, this ^{T-6808(1940)} ^{east} junction has been compared and is satisfactory.

IV Control

The control for this survey consisted of the triangulation stations NOTCH, CRANGE and WESTPORT established by this party, and triangulation station EASTBASE established in 1909, and re-covered by W. M. Scaife in 1939. The station was in place during the survey, but has since been washed out.

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V Methods

Standard Coast Survey Methods were used throughout. There was sufficient control so that no long traverses were necessary and no adjustments were required. No attempt was made to locate the low water line due to it being one third to one half mile out from high water line and soft bottom making it practically impossible to walk out to it.

On the west it was very difficult to determine the high water line, and the outer limit of the marsh is shown in a light line in accordance with field memorandum No. 1, dated 1938. The inshore limit of the marsh was ~~rodged~~ in, and is indicated by the stopping of the marsh symbol. *only where marsh borders grassland* The points of which red readings were taken are indicated by black dots along the shore line.

No attempt was made to make a complete survey of features back of the high water line, the principal omissions being roads and houses in the vicinity of Ocosta.

VI Character of Terrain

The western part of the sheet is principally marsh as shown with firm ground making to the dock at triangulation station Westport. The dock consists of a walkway on a single row of piling out to the light, and small house south of the dock.

On the east it is all firm ground mostly grass pasture land with a few small fir and spruce trees scattered along.

VII Aids to Navigation

No attempt was made to locate the floating aids to navigation as they were located by the hydrographic party. *located on H-6646 (1940)*

VIII Geographic Names

No new geographic names were established.

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IX Comparison with Previous Surveys

The eastern part of the sheet shows very little change from Chart 6195, published June 1939, issued Jan. 2, 1940. On the west the principal change is the character of the terrain between triangulation stations EASTBASE and WESTPORT; it being shown on the chart as firm ground and by this survey as marsh. It is low sandy ground containing considerable mud, and is covered with typical marsh grass, and I believe it should be shown as marsh rather than firm ground.

X Statistics

Statute Miles of shoreline.....5.2

Area in sq. statute miles.....1.2

E. F. Hicks Jr.
E. F. HICKS, Jr.
Aid C & GS-

Approved & forwarded



L. D. GRAHAM

H & G. E.

Commanding Discoverer

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DIVISION OF CHARTS

SURVEYS SECTION

REVIEW OF TOPOGRAPHIC SURVEY

REGISTER NO. 6807
Field No. C-40

Washington, Grays Harbor, Entrance to South Bay
Surveyed January 1940, Scale 1:10,000
Instructions dated April 13, 1939

Plane Table Survey

Aluminum Mounted

Chief of Party - G. L. Bean
Surveyed by - E. F. Hicks, Jr.
Inked by - E. F. Hicks, Jr.
Reviewed by - R. H. Carstens
Inspected by - H. R. Edmonston, May 21, 1942

1. Adjoining Surveys

This survey satisfactorily joins T-6808 (1940) on the northeast, T-6805 (1939) on the northwest and T-6806 (1940) on the south.

2. Comparison with Prior Surveys

T-821 (1860) 1:20,000; T-1701 (1886) 1:20,000;
H-2371 (1898) 1:20,000; T-3044 (1909-10) 1:20,000;
T-4254 (1926) 1:20,000

The entire area of the present survey is covered by these earlier surveys. Little change has taken place except in features north of Westport. Here the dock and the railroad trestle have been rebuilt since the older surveys were accomplished. The position of the high water line between Westport and the railroad trestle has varied on the different surveys because of the interpretation of the high water line and to some extent because of the growth of marsh grass. The sand spit in Lat. $46^{\circ}54.2'$, Long. $124^{\circ}05.8'$ formerly extended 900 meters to the southeast of its present position. The shoreline on the east side of the bay shows very little change. The present survey should supersede the earlier surveys in the common area.

3. Comparison with Chart 6195

a. Topography.

The chart drawing to which this survey had been applied was used in the comparison. All new topographic corrections were taken from this survey. The triangulation station E. Base in Lat. $46^{\circ}54.2'$, Long. $124^{\circ}05.8'$ was reported lost in 1940.

b. Aids to Navigation.

The position of fixed aids to navigation agrees with the charted position. The floating aids to navigation were located on H-6646 (1940).

4. Condition of Survey

Satisfactory.

5. Compliance with Instructions for the Project

Satisfactory.

6. Additional Field Work Recommended

None.

7. Superseded Surveys

T- 821	(1860)	in part	
T-1701	(1886)	in part	
H-2371	(1898)	in part	only
T-3044	(1909-10)	in part	For topographic details/
T-4254	(1926)	in part	

Examined and approved:

Robert W. Knapp
Chief, Surveys Section

J. S. Borden
Chief, Division of Charts

Wm. L. Peacock
Chief, Section of Hydrography

G. W. Hude
Chief, Division of Coastal Surveys

Remarks.

Decisions

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GEOGRAPHIC NAMES
Survey No. **T6807**

Name on Survey	A. On Chart No.	B. On previous survey No.	C. On U. S. quadrangle Maps	D. From local information	E. On local Maps	F. P. O. Guide or Map	G. Rand McNally Atlas	H. U. S. Light List	K.	
<u>Grays Harbor</u>										1
<u>Ocosta</u>										2
<u>South Bay</u>										3
<u>Westport</u>										4
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MEMORANDUM

IMMEDIATE ATTENTION

SURVEY
DESCRIPTIVE REPORT
~~PHOTOGRAPHIC~~

~~No. 11~~

No. T **T6807**

received Mar. 28, 1941
registered Apr. 8, 1941
verified
reviewed
approved

This is forwarded in order that your attention may be directed to the matters as indicated below. Please initial in column 3 as an acknowledgement that your attention has been thus directed. The complete original records are available if desired. If you cannot give this your immediate attention, please initial, note, and forward to the next section marked, calling for the records at your convenience.

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RETURN TO

82	T. B. Reed
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✓ *TBR*