

a & b
6984

Diag. Cht. No. 6102

Form 504

U. S. COAST AND GEODETIC SURVEY
DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey Topographic

Field No. A-42 & AA-43 Office No. _____

LOCALITY

State Washington

General locality Strait of Juan de Fuca

Locality Neah Bay

1942 to 1944

CHIEF OF PARTY

Roland D. Horne
EXPLORER

LIBRARY & ARCHIVES

DATE JUL 23 1945

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DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

REG. NO.

16984a

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. A-42

REGISTER NO.

State Washington

General locality Strait of Juan de Fuca

Locality Neah Bay

Scale 1:10,000 Date of survey 1942 to 1944, 19

Vessel EXPLORER

Chief of party Roland D. Horne

Surveyed by G.R. Shelton and others

Inked by E.A. Dorner and Christine N. Hillman

Heights in feet above _____ to ground to tops of trees

Contour, Approximate contour, Form line interval _____ feet

Instructions dated CS-293 - Sept. 9, 1942, 19

Remarks: _____

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

REG. NO.

TOPOGRAPHIC TITLE SHEET

169846

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. AA-42

REGISTER NO.

State Washington

General locality Strait of Juan de Fuca

Locality Neah Bay

Scale 1:5,000 Date of survey 1942 to 1944, 19

Vessel EXPLORER

Chief of party Roland D. Horne

Surveyed by G.R. Shelton and others

Inked by E.A. Dorner and Christine N. Hillman

Heights in feet above MHW to ground to tops of trees

Contour, Approximate contour, Form line interval feet

Instructions dated CS-293 - Sept. 9, 1942, 19

Remarks:

A-42 and AA-42

Neah Bay, Washington

Seattle Processing Office Notes

Project - CS-2

Instructions dated Sept. 9, 1942.

This sheet was initiated by Lt. Comdr. G.R. Shelton, in 1942, working with party transported by truck from Seattle. It was completed in December, 1944, by the EXPLORER's party prior to sounding in this area.

Datum

The datum depends on field computations of the 1942 triangulation. The NA 1927 Datum - Adjusted - shifts the projection intersections about half a millimeter on 1:5,000 scale. This difference is shown as follows:

<u>Neah Bay Light - 1942</u>				
	Latitude	Meters	Longitude	Meters
Field Comp.	48° 22'	1303.0	124° 35'	727.5
NA 1927 Adj.		1303.8		725.5
Correction from Field Comp. to Adj. Datum		+ 0.8		-2.0

Datum change shown on topo sheet

Note-

The long bare reef east of Waada Island, noted as 2 feet above M.H.W. was reported by the hydro party as 5 ft. above MLLW, (which would be 2 ft. below MHW), and was so shown on sounding sheet EX 1142. *H-7037 (1944-45) Note on present survey changed to agree with hydro. information.*

The ledge off Baada Point was extended by the hydrographic party. See boat sheet and smooth sheet EX 5142. *H-7036 (1944-45)*

The rock 8 ft. above MLLW 750 meters southeast of Koitlah Point is noted on the boat sheet as 7 ft. above MLLW.

Reduces to 8 ft. on H-7037

7

Respectfully submitted,

Edgar E. Smith

Edgar E. Smith
Cartographic Engineer
Seattle Processing Office

Approved and Forwarded,

F. H. Hardy

F. H. Hardy
Officer in Charge,
Seattle Processing Office.

GEOGRAPHIC NAMES

Survey No.

T6984 a

Name on Survey

T6984 b

	A	B	C	D	E	F	G	H	K	
	On Chart No.	On previous survey No.	On U. S. quadrangle Maps	From local information	On local Maps	P. O. Guide or Map	Rand McNally Atlas	U. S. Light List		
<u>Washington</u>	...			(for title)				US63	1	
<u>Strait of Juan de Fuca</u>				(" ")				"	2	
<u>Neah Bay</u>								"	3	
<u>Neah Bay</u>				(village)				"	4	
<u>Waada Island</u>								"	5	
<u>Klachopsis Point</u>									6	
<u>Dtorfoah Point</u>									7	
<u>Baada Point</u>								4	8	
<u>Kaitlah Point</u>									9	
<u>Kydirabbit Point</u>									10	
									11	
									12	
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Names underlined in red approved

by L. Heck on 4/22/47

DIVISION OF CHARTS

REVIEW SECTION - NAUTICAL CHART BRANCH

REVIEW OF TOPOGRAPHIC SURVEY

REGISTRY NO. T-6984a & b

FIELD NO. A-42, A1-42

Washington, Strait of Juan de Fuca, Neah Bay
Surveyed in Nov. 1942 - Dec. 1944 Scale 1:10,000 and 1:5000
Instructions dated Sept. 9, 1942

Plane Table Survey

Aluminum Mounted

Chief of Party - R. D. Horne
Surveyed by - G. R. Shelton
Inked by - E. A. Dorner and C. N. Hillman
Reviewed by - R. H. Carstens, April 28, 1947
Inspected by - H. W. Murray

1. Adjoining Surveys

There are no adjoining, contemporary surveys by this Bureau. The present survey, however, makes an adequate junction with T-4633 (1931) on the east and west.

2. Comparison with Prior Surveys

A.	T-386 (1852)	1:10,000
	T-386a (1913)	1:10,000

The high water line on these prior surveys is in fairly good agreement with the present high water line except along sand beaches where there is a difference of as much as 40 meters.

The position of the rock on T-386 in lat. $48^{\circ}23.02'$, long. $124^{\circ}35.62'$ is about 40 meters from the present position (T-6984b) and should be disregarded. The present position is verified by the position on T-4633 (1931).

The present survey is adequate to supersede these prior surveys within the common area.

B. T-4633 (1931) 1:20,000

There are only minor differences in the position of the high water line except along sand beaches where the present high water line has advanced as much as 30 meters offshore from its prior position.

The breakwater on T-6984b between Waada Island and the mainland, and several piers on the mainland have been constructed subsequent to this prior survey.

The prior survey contains numerous low water features not shown on T-6984a. The low water line, ledges, and rocks awash that were not located on the present survey or on the contemporary hydrographic surveys, have been transferred to T-6984a from T-4633.

In the vicinity of Waada I. on T-6984b, limits of foul area and numerous rocks awash, which are shown on T-4633, were not located on the present survey. In charting the low water detail in this vicinity, the present survey should supplement T-4633. Additional work which will complete the location of inshore low water detail to the north and west of Waada Island has been recommended in the reviews of hydrographic surveys H-7036 and H-7037 of 1944-45.

With the addition of supplementary rocks awash, ledge line, and low water line, the present survey is adequate to supersede this prior survey within the common area, except, as mentioned above, for low water detail in the vicinity of Waada Island.

3. Comparison with Chart 6266 (Latest print date 3/17/47)

The present survey was applied to the chart before review. No further comment is necessary.

4. Condition of Survey

The survey was neatly inked and conforms to the requirements of the Topographic Manual.

The Descriptive Report was written by the processing office rather than by the Topographer.

5. Compliance with the Project Instructions

The present survey adequately complies with the Instructions.

6. Additional Field Work Recommended

It is assumed that the rock detail surrounding Waada Island and discussed in par. 1 B above will be investigated when the additional work recommended in the reviews of H-7036 and H-7037 is accomplished.

Examined and Approved:



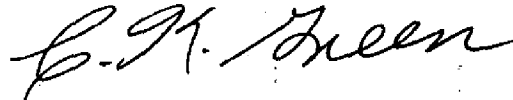
I. E. Rittenburg
Chief, Nautical Chart Branch



C. M. Durgin
Chief, Division of Charts



K. G. Crosby
Chief, Section of Hydrography



C. K. Green
Chief, Division of Coastal Surveys

NAUTICAL CHARTS BRANCH

SURVEY NO. T 6984 a & b

Record of Application to Charts

[illegible]

M-2168-1

A basic hydrographic or topographic survey supersedes all information of like nature on the uncorrected chart. Give reasons for deviations, if any, from recommendations made under "Comparison with Charts" in the Review.