

6440

U. S. COAST & GEODETIC SURVEY  
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Form 504  
Ed. June, 1928

DEPARTMENT OF COMMERCE

U. S. COAST AND GEODETIC SURVEY

R. S. PATTON, Director

State: WASHINGTON

DESCRIPTIVE REPORT

*Topographic* } Sheet No. F - 1935  
~~*Hydrographic*~~

LOCALITY

SOUTH END, COLVOS PASSAGE

PUGET SOUND

193 5.

CHIEF OF PARTY

JACK SENIOR

U. S. GOVERNMENT PRINTING OFFICE: 1923

DEPARTMENT OF COMMERCE  
U. S. COAST AND GEODETIC SURVEY

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 Letter F - 1935

REGISTER NO.

State WashingtonGeneral locality Puget SoundLocality South end of Colvos PassageScale 1:10,000 Date of survey May, 19 35.Vessel U.S.C. & G.S.S. EXPLORERChief of Party Jack SeniorSurveyed by H. F. GarberInked by F. S. ButlerHeights in feet above M.H.W. to ground ~~to top of rocks~~Contour ~~approximate contour~~ interval 50 feetInstructions dated March 29, 1934.

Remarks:

DESCRIPTIVE REPORT  
TO ACCOMPANY TOPOGRAPHIC SHEET "F"  
PUGET SOUND - WASHINGTON

1935

AUTHORITY:

This survey was made in accordance with the Director's Instructions, dated March 29, 1934, Project No. H.T.-171.

LIMITS:

The area surveyed extends along both shores of Colvos Passage, southward from Richmond Point to Gig Harbor on the west shore and around Dalco and Neill Points on the east shore.

CONTROL:

The triangulation is on the 1927 North American Datum consisting of second order control executed in 1924 and 1935.

SURVEY METHODS:

Standard plane table practices were followed. Short well closing traverses were run between triangulation stations being constantly checked by resection.

CONTOURS:

Contouring presented the biggest problem, as it did in surveying other parts of Puget Sound, due to the wooded nature of the country. The trees are of various heights, some of them being virgin timber ranging from 100 to 175 feet in height, while others are second growth of considerable less height. From a distance it is very difficult to estimate the exact heights. In addition, due to the varying heights of trees it was very difficult to determine the exact location of ridges, valleys, saddles, etc. A commanding tree would show against the skyline as if it were on a ridge while in reality it might be quite far down a slope. Wooded country has a tendency to make the contour curves appear more gently curved than they are in reality.

Bearing in mind that the purpose of the survey is for nautical charts rather than interior development, the contours were drawn in a sweeping manner with gentle curves as they appeared from seaward.

CHARACTER OF COUNTRY:

The land has been partially logged off leaving occasional trees of virgin timber, and the second growth timber has reached considerable size. The seaward slopes are wooded throughout while the uplands of Vashon Island are under cultivation, being in the nature of slightly rolling plateau. The cultivated land does not show from the water. A steep dirt bluff extends northward from Dalco Point to triangulation station "Rounds", except where cut by ravines.

The beaches are sand and gravel strewn with scattered boulders from one to three feet in diameter.

COMPARISON WITH CHARTS:

A comparison was made with the May, 1935 edition of chart No. 6460 and the following noted:-

Owing to the difference in scale an exact comparison with the shore line was not made, but the general configuration of points and bights are the same.

The general trend of the contours are the same, but different interpretations of size and character of valleys were made. The three elevations shown on the chart agree satisfactorily with those on the sheet.

An examination of the beach at a minus tide was made just east of the spit at the entrance to Gig Harbor, and no evidence of the rock was found as shown on the May, 1935 edition of Chart No. 6460. Several small boulders, one to two feet in diameter, are along the beach, but hardly large enough to be shown as a rock.

✓ The two rocks shown 5/8 mile north of Neill Point on chart No. 6460 agree with the position of those shown on the topographic sheet.

✓ The two rocks shown on chart No. 6460, just north of Neill Point probably are small boulders, as no evidence of outstanding rocks was found.

The two rocks shown on the topographic sheet at the vicinity of Neill Point are the highest points of rocky ledges in the vicinity. The entire point is rocky and these high points were selected as characteristic so that the point would be given a good berth in rounding it.

TOPOGRAPHIC SIGNALS:

Those topographic signals located from five to ten meters below high water line are targets placed on dead trees or logs fallen across the high water line, and are not of a character to be shown on a chart.

GEOGRAPHIC NAMES:

Colvos Passage:- The body of water lying to the westward of Vashon Island and the mainland. Shown as Colvos Passage on chart No. 6460. This is often referred to as West Pass by pilots and masters operating in Puget Sound, distinguishing it from the eastern passage, east of Vashon Island.

Dalco Passage:- The body of water to the southward of Vashon Island and the mainland. Generally known as Dalco Passage as shown on chart No. 6460.

Richmond Point, Dalco Point, Neill Point:- Well established names of points and generally known as shown on chart No. 6460.

Sunrise Beach:- Sunrise Beach is a small summer colony of comparatively recent development, and generally known as shown on the May, 1935 edition of chart No. 6460.

Camp Sealth:- A summer camp for girls, consisting of several cottages and known as shown on the May, 1935 edition of chart No. 6460.

Spring Beach:- Spring Beach is a summer colony with about twenty cabins and a general store. A small passenger ferry plies between it and Point Defiance ferry landing. Known as shown on chart No. 6460.

Tallequah:- Name applies to the general store and ferry landing on the south end of Vashon Island. Recommended for charting as it is the only vehicular ferry landing on the south end of Vashon Island. Ferry service is maintained to Point Defiance ferry landing. The name shows as such on all local highway maps and is in common usage.

Respectfully submitted,

*Harry F. Garber*

Harry F. Garber,  
Jr. H. & G. E., C. & G. S.,  
U.S.C. & G.S.S. EXPLORER.

Approved and forwarded,

*Jack Senior*

Jack Senior,  
Commanding Officer,  
U.S.C. & G.S.S. EXPLORER.

STATISTICS

TO ACCOMPANY TOPOGRAPHIC SHEET "F"

1935

Statute miles of shoreline.....	9.3
Area, square statute miles.....	4.6

## Remarks

## Decisions

1		
2	2/26/42 U.S.A.B. decision	Tahlequah
3		
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10	sometimes known as West Passage	Culvuz
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13	2/16/46 Board decision	
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# GEOGRAPHIC NAMES

Survey No. **6440**

GEOGRAPHIC NAMES		Survey No. 6440									
Name on Survey	On Chart No. 6460										
	A	B	C	D	E	F	G	H	K		
Neill Pt. ✓	*		-							1	
Tallequah ✓				✓	✓				* ●	2	
<del>Dalco</del> Pt. Dalco ✓	*			-						3	
Dalco Passage ✓	*			✓						4	
Vashon Island ✓	*		✓		-		✓			5	
Spring Beach ✓	*			✓		✓	-			6	
Camp Sealth ✓	*			-		✓	-			7	
<del>Richmond</del> Pt. Richmond ✓	*			-						8	
Sunrise Beach ✓	*			-						9	
Colvos Passage ✓	*			✓			✓			10	
										11	
										12	
Tahlequah Cr.										13	
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Names underlined in red approved  
by C.R.H.  
on 5/22/36

M 234

Names underlined in red approved  
by **E.P.H.**  
on **5/24/36**

# MEMORANDUM

## IMMEDIATE ATTENTION

~~SURVEY~~  
 DESCRIPTIVE REPORT } No. ~~H~~  
~~PHOTOSTAT OF~~ } No. T **6440**

{ received APR 17 1936  
 registered MAY 18 1936  
 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.

ROUTE		Initial	Attention called to
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RETURN TO

82	
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C. K. Green



## REVIEW OF TOPOGRAPHIC SURVEY No. 6440

Title (Par. 56) *South End Colvas Passage*Chief of Party *Jack Senior* Surveyed by *H. F. Garber* Inked by *F. S. Butler*Ship *Explorer* Instructions dated *Mar. 29, 1934* Surveyed in *May, 1935*

1. The survey and preparation for it conform to the requirements of the Topographic Manual. (Par. 7, 8, 9, 13, 16.) ✓
2. The character and scope of the survey satisfy the instructions. ✓
3. The control and closures of traverses were adequate. (Par. 12, 29.)  
*Closures not listed*
4. The amount of vertical control that the Manual specifies for -contours-~~formlines~~ was accomplished. (Par. 18, 19, 20, 21, 22, 23.) ✓
5. The delineation of -contours-~~formlines~~ is satisfactory. (Par. 49, 50.) ✓
6. There is sufficient control on maps from other sources that were transmitted by the field party to enable their application to the charts. (Par. 28.) *None Submitted*
7. High water line ~~on marshy and mangrove coast~~ is clear and adequate for chart compilation. (Par. 16a, 43, 44.) ✓
8. The representation of low water lines, ~~reefs, coral reefs and rocks,~~ and legends pertaining to them is satisfactory. (Par. 36, 37, 38, 39, 40, 41.) ✓
9. Rocks and other important details shown on previous surveys and on the chart were verified. (Par. 25, 26, 27.)

*See Reverse Side*

10. ~~The span, draw and clearance of bridges are shown. (Par. 16c.)~~
11. ~~Locations and elevations of summits are given. (Par. 19, 51.)~~
12. ~~The tree line was shown on mountains. (Par. 16g.)~~

NOTE: Strike out paragraphs, words or phrases not applicable and modify those requiring it. Paragraph numbers refer to those in the Topographic Manual. Use reverse side for extending remarks.

Paragraph 9

T1452 b-c (1876-7)

This survey is on a scale of 1:20,000 whereas the present survey is on 1:10,000. The detail is much more complete on the present survey but the general shore line is in good agreement between the two surveys. The relief is somewhat different on the two surveys but with the number of elevations taken on the present survey, the contours are considered adequate. T6440 supersedes T1452 b-c in part.

A complete comparison of the present survey with chart 6460 is adequately made on pages 2 and 3 of the Descriptive Report.



13. The descriptive report covers all details listed in the Manual, in so far as they apply to this survey. (Par. 64, 65, 66, 67.) ✓
14. ~~The descriptive report also contains additional information required in aero-topography relative to type of photographs, method of compilation and type of ground control.~~
15. The descriptions of recoverable stations and references to shore line were accomplished on Form 524. (Par. 29, 30, 57, 67 except scaling of DMs and DPs, 68.) *None Submitted*
16. A list of landmarks for charts was furnished on Form 567 and plotting checked. (Par. 16d, e, 60.) *None Submitted*
17. The magnetic meridian was shown and declination was checked. (Par. 17, 52.) *2 Meridians shown - Declination checks value on chart  
No note of having checked declinatoire*
18. The geographic datum of the sheet is *N.A. 1927 (Adjusted)* and the reference station is correctly noted. (Par. 34.) ✓
19. Junctions with contemporary surveys are adequate. ✓  
*Joins T 6439 (1935) on the North Joins T 6445 (1935) on the South  
Joins T 6441 (1935) on the East*
20. Geographic names are shown on the sheet and are covered by the Descriptive report. (Par. 64, 66k.) ✓
21. The quality of the drafting is good. (Par. 31, 32, 33, 35, 36, 37, 38, 39, 40, 41, 42, 45, 46, 47, 48, 49, 50.) ✓
22. No additional surveying is recommended. ✓
23. The Chief of Party inspected and approved the sheet and the descriptive report ~~after review by~~ ✓
24. Remarks:

Reviewed in office by *Chas. R. Bush Jr.* June 29/1936

Examined and approved:

*E. H. Green*  
Chief, Section of Field Records

*L. O. Polbert*  
Chief, Division of Charts

*Fred. L. Peacock*  
Chief, Section of Field Work

*G. W. Gude*  
Chief, Division of Hyd. and Top.