

6263

U. S. COAST & GEODETIC SURVEY  
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Form 504  
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DEPARTMENT OF COMMERCE

U. S. COAST AND GEODETIC SURVEY

R. S. PATTON, Director

State: WASHINGTON

DESCRIPTIVE REPORT

Topographic

~~Hydrographic~~

Sheet No. "E"

LOCALITY

PORT ORCHARD - SOUTH END

PUGET SOUND

1934

CHIEF OF PARTY

JACK SENIOR

U. S. GOVERNMENT PRINTING OFFICE: 1921

6263

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 5 "E"REGISTER NO. **6263**State WashingtonGeneral locality Puget SoundLocality Port Orchard, - South EndScale 1:10,000 Date of survey Aug. 18 to 31, 19 34Vessel U.S.C. & G.S.S. EXPLORERChief of Party Jack SeniorSurveyed by William F. MalnateInked by William F. MalnateHeights in feet above M.H.W. to ground ~~to tops of trees~~~~Contours~~ Approximate contour ~~from lines between~~ 20 feetInstructions dated March 29, 19 34.

Remarks: \_\_\_\_\_

DESCRIPTIVE REPORT  
TO ACCOMPANY TOPOGRAPHIC SHEET "E"  
PORT ORCHARD - SOUTH END  
PUGET SOUND  
WASHINGTON

- 0 -

JACK SENIOR, CHIEF OF PARTY  
SEASON OF 1934

DESCRIPTIVE REPORT  
TO ACCOMPANY TOPOGRAPHIC SHEET "E"

PORT ORCHARD - SOUTH END

PUGET SOUND-WASHINGTON

INSTRUCTIONS:

The survey was made in accordance with the Director's Instruction for Project No. HT - 171, dated March 29, 1934.

LIMITS:

The southern end of Port Orchard between Latitudes  $47^{\circ} 38.3'$  N. and  $47^{\circ} 34.4'$  N. and Rich Passage east to Longitude  $121^{\circ} 32.6'$  W.

Junctions are made with topographic sheet "F - 1934" at triangulation station "VILLE 2 - 1934", Latitude  $47^{\circ} 38.29'$  N., Longitude  $122^{\circ} 35.45'$  W. and triangulation station "FLAG - 1934", Latitude  $47^{\circ} 38.29'$  N., Longitude  $122^{\circ} 34.65'$  W.; with topographic sheet "L - 1934", at triangulation station "HIGH - 1915", Latitude  $47^{\circ} 34.45'$  N., Longitude  $122^{\circ} 36.13'$  W. and triangulation station "DRONE 2 - 1934", Latitude  $47^{\circ} 34.38'$  N., Longitude  $122^{\circ} 34.80'$  W.; with topographic sheet "J - 1934" at triangulation station "MIDDLE - 1915", Latitude  $47^{\circ} 34.65'$  N., Longitude  $122^{\circ} 32.59'$  W. and with topographic sheet "D - 1934" at triangulation station "DIT - 1915", Latitude  $47^{\circ} 35.84'$  N., Longitude  $122^{\circ} 32.63'$  W.

METHODS:

The standard survey methods outlined in the Topographic Manual, Special Publication No. 144, were used throughout.

All off lying dangers and rocks were located by a rod reading when visible and all hydrographic stations checked by cuts.

CONTROL:

The topography was controlled by a second order scheme of triangulation established in 1915 and 1934. The distance between triangulation stations averaged less than one mile.

TRAVERSE CLOSURES:

There were no closing errors of traverse due to the frequency of triangulation stations permitting checks on planetable positions by either resection or three point fixes throughout.

MAGNETIC OBSERVATIONS:

Observations with a magnetic declinoire were made at triangulation station "EXTRA 2 - 1934".

CONTOURS:

The contours were transferred from Chart No. 6444 and were checked at intervals where possible. The agreement was good so the original contours were retained.

GENERAL DESCRIPTION:

The section of Port Orchard included in this sheet is about 4 miles long in a north and south direction with an average width of about 0.6 miles. The shores are wooded and in general rise abruptly for about twenty feet and then slope gradually to an average elevation of about 100 feet about 0.1 miles inshore.

The western end of Rich Passage is narrow and has a sharp bend and is steep with rocky shores on the south side.

The shore lines are settled and in the thicker settled sections have landing wharves for ferries.

COMPARISON WITH EXISTING CHARTS:

Chart No. 6444:

This survey agrees very well with the existing chart in deliniation of shore line and shows no changes of any importance except man made changes such as construction of houses, wharves or roads.

Particular care was taken to properly locate any detail along the shore line that might be used for the orientation of aerial photographs in the future. All detail shown is therefore in its exact position with respect to the existing control points.

Respectfully submitted,

*William F. Malnate*

William F. Malnate,  
Jr. H. & G. E., C. & G. S.,  
U.S.C. & G.S.S. EXPLORER.

Approved and forwarded:

*Sheet E" (1934) examined*

*I approved*

*J. Senior*

*Jack Senior*

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

# STATISTICS

Statute miles of shoreline.....	14.4
Statute miles of highway.....	3.3
Area, in square statute miles.....	1.4
Number of hydrographic stations located.....	100

DEPARTMENT OF COMMERCE  
U. S. COAST AND GEODETIC SURVEY

## LANDMARKS FOR CHARTS

Seattle, Washington.

March 30 19 35

DIRECTOR, U. S. COAST AND GEODETIC SURVEY:

The following determined objects are prominent, can be readily distinguished from seaward from the description given below, and should be charted.

Jack Senior, Comdg. Str. EXPLORER

Chief of Party,

[illegible]

A list of objects which are of sufficient prominence for use on the charts, together with a description of the same, must be furnished in a special report on this form, and a copy of such report must be attached by the Chief of Party to his descriptive report. The selection, determination, and description of these points are of primary importance.

The description of each object should be short, but such as will identify it; for example, standpipe, water tower, church spire, tank, tall stack, red chimney, radio mast, etc. Generally, flagstuffs and like objects are not sufficiently permanent to chart.



## LANDMARKS FOR CHARTS

March 30 1935

Chief of Party.

Diagram No. 6450-2; 6460-2

Approved by the Division of Geographic Names, Department of Interior. ✕

Referred to the Division of Geographic Names, Department of Interior. R

Under investigation. Q

[illegible]



REVIEW OF TOPOGRAPHIC SURVEY No. 6263 (1934) *Field Letter E*Title (Par. 56) *Port Orchard-South End, Puget Sound, Washington*Chief of Party *Jack Senior* Surveyed by *H. J. Malnate* Inked by *H. J. Malnate*Ship *Explorer* Instructions dated *March 29, 1934* Surveyed in *August, 1934*

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.) ✓
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.)~~
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.)~~

*No mountains, generally wooded area.*

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

This sheet was reviewed in connection with H5652, H5576 and H5711.

Chart 6450 and 6460

No discrepancies were noted between the charts 6450 and 6460 and the present survey.

T1637 (1881)

The only changes noted in the present survey as regards T1637 is that of a dilapidated dock on T1637 which no doubt does not now exist as it is not shown on the present survey.

T3530 (1915)

The present survey is in good agreement except for the Westwood Wharf shown on T3530 but not shown on T6263.

T3529

The present survey is in good agreement with T3529. The present survey (T6263) should supersede in part the following sheets:-

T1637 (1881)  
T3530 (1915)  
T3529 (1915)



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 have been received. Attached.*
16. A list of landmarks for charts was furnished on Form 567 and plotting checked. (Par. 16d, e, 60.) *None have been received.*
17. The magnetic meridian was shown and declination was checked. (Par. 17, 52.) *Meridian shown but no evidence declination was checked.* ✓
18. The geographic datum of the sheet is *North American 1927* and the reference station is correctly noted. (Par. 34.)
19. Junctions with contemporary surveys are adequate. ✓
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 *W. F. Malnate* ✓
24. Remarks:

Reviewed in office by *R. L. Johnston* Sheet inspected by *A. L. Shalowitz*

Examined and approved:

*C. K. Green*  
Chief, Section of Field Records  
*L. O. Lobat*  
Chief, Division of Charts

*J. R. L. Peacock*  
Chief, Section of Field Work  
*Glunde*  
Chief, Division of Hyd. and Top.