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

REGISTER NO. 6263

State: Washington

General locality: Puget Sound

Locality: Fort Orchard - South End

Scale: 1:10,000 Date of survey: Aug. 18 to 31, 1934

Vessel: U.S.C. & G.S.S. EXPLORER

Chief of Party: Jack Senior

Surveyed by: William F. Melnate

Inked by: William F. Melnate

Heights in feet above M.H.W. to ground

Approximate contour feet

Instructions dated: March 29, 1934

Remarks:
DESCRIPTIVE REPORT
TO ACCOMPANY TOPOGRAPHIC SHEET "E"
PORT ORCHARD - SOUTH END
PUGET SOUND
WASHINGTON
- O -
JACK SENIOR, CHIEF OF PARTY
SEASON OF 1934
DESCRIPTIVE REPORT
TO ACCOMPANY TOPOGRAPHIC SHEET "E"
PORT ORCHARD - SOUTH END
FUGET 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° 38.3' N. and 47° 34.4' N. and Rich Passage
east to Longitude 121° 32.6' W.

Junctures are made with topographic
sheet "F - 1934" at triangulation station "VILE 2 - 1934",
Latitude 47° 38.29' N., Longitude 122° 35.45' W. and triangula-
tion station "FLAG - 1934", Latitude 47° 38.29' N., Longitude
122° 34.65' W.; with topographic sheet "L - 1934", at triangu-
lation station "HIGH - 1915", Latitude 47° 34.45' N., Longitude
122° 36.13' W. and triangulation station "DRONE 2 - 1934", Lat-
titude 47° 34.33' N., Longitude 122° 34.80' W.; with topographic
sheet "J - 1934" at triangulation station "MIDDLE - 1915", Lat-
titude 47° 34.65' N., Longitude 122° 32.59' W. and with topographic
sheet "D - 1934" at triangulation station "DIT - 1915", Latitude
47° 35.84' N., Longitude 122° 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 sta-
tions 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 permit-
ting checks on planetable positions by either resection or
three point fixes throughout.

MAGNETIC OBSERVATIONS:
Observations with a magnetic declin-
atoire 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 direc-
tion 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 insbore.

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 delineation of shore line and shows no
changes of any importance except man made changes such as con-
struction of houses, wharves or roads.

Particular care was taken to prop-
erly 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,
Jr. H. & G. E., C. & G. S.,
U.S.C. & G.S.S. EXPLORER.

Approved and forwarded:

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
LANDMARKS FOR CHARTS

Seattle, Washington,

March 30, 1935

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.

<table>
<thead>
<tr>
<th>DESCRIPTION</th>
<th>POSITION</th>
<th>METHOD OF DETERMINATION</th>
<th>CHARTS AFFECTED</th>
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<tbody>
<tr>
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<td>LATITUDE</td>
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<tr>
<td>BEACON (Rear Range)</td>
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</tbody>
</table>

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, flagstaffs and like objects are not sufficiently permanent to chart.
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Seattle, Washington,

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<td>D.M. Meters</td>
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<td>Stack, Black, Iron</td>
<td>47 36</td>
<td>136.6 0 122 34</td>
<td>476.0 0</td>
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<tr>
<td>Stack, Black, Iron</td>
<td>47 36</td>
<td>365.0 0 122 33</td>
<td>367.5 0</td>
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GEOGRAPHIC NAMES

Date: April 27, 1935

WASHINGTON

Survey No. 6283
Chart No. 6450;6460
Diagram No. 6450-2;6460-2

Approved by the Division of Geographic Names, Department of Interior. X
Referred to the Division of Geographic Names, Department of Interior. R
Under investigation. Q

<table>
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<tr>
<th>Status</th>
<th>Name on Survey</th>
<th>Name on Chart</th>
<th>New Names in local use</th>
<th>Names assigned by Field</th>
<th>Location</th>
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<td>Point Glover</td>
<td>Point Glover on Chart 6444</td>
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<td>Rich Passage</td>
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Approved 9/6/35
K.T. Adams
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 W. J. Malnate Inked by W. 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. 98.)

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, area and clearance of bridges are shown. (Par. 16c.)

11. Locations and elevations of summits are given. (Par. 19, 51.)

12. The true 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 DNs 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, 65k.)

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. H. Maltz.

24. Remarks:

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

Examined and approved:

C. H. Green
Chief, Section of Field Records

Fred. R. Rock
Chief, Section of Field Work

E. M. Doane
Chief, Division of Charts

J. H. Dade
Chief, Division of Hyd. and Top.