

6265

U. S. COAST & GEODETIC SURVEY
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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. "G"

LOCALITY

LIBERTY BAY & Agate
Passage
PUGET SOUND

1934

CHIEF OF PARTY

JACK SENIOR

U. S. GOVERNMENT PRINTING OFFICE: 1921

6265

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 No. G 6265

REGISTER NO. **6265**

State Washington

General locality Puget Sound

Locality Liberty Bay & Agate Passage

Scale 1:10,000 Date of survey July 20 - Aug. 15 1934

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

Chief of Party Jack Senior

Surveyed by W. F. Malnate

Inked by W. F. Malnate

Heights in feet above M.H.W. to ground ~~to tops of trees~~

~~Section~~ Approximate contour, ~~horizontal~~ interval 20 feet

Instructions dated March 29, 1934.

Remarks: _____

DESCRIPTIVE REPORT
TO ACCOMPANY TOPOGRAPHIC SHEET "G"
LIBERTY BAY
PUGET SOUND - WASHINGTON

- 0 -

JACK SENIOR, CHIEF OF PARTY
SEASON OF 1934

DESCRIPTIVE REPORT
TO ACCOMPANY TOPOGRAPHIC SHEET "G"

LIBERTY BAY

PUGET SOUND - WASHINGTON

INSTRUCTIONS:

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

LIMITS:

Liberty Bay and the west shore of Port Orchard between the south entrance of Agate Passage and the entrance to Liberty Bay.

Junctions are made with topographic sheet "B - 1934" at triangulation stations "MISH 2, 1934", Latitude $47^{\circ} 42.99'$ N., Longitude $122^{\circ} 33.75'$ W. and triangulation station "AGE 2, 1934", Latitude $47^{\circ} 42.78'$ N., Longitude $122^{\circ} 33.70'$ W. and with topographic sheet "F - 1934" at triangulation station "BOLD 2 - 1934", Latitude $47^{\circ} 42.31'$ N., Longitude $122^{\circ} 33.79'$ W. and triangulation station "POD 2 - 1934", Latitude $47^{\circ} 40.97'$ N., Longitude $122^{\circ} 36.87'$ W.

METHODS:

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

All off lying rocks or dangers were located by red readings when visible.

CONTROL:

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

TRAVERSE CLOSURES:

The frequency of triangulation stations controlling the topography and the possibilities of three point fixes and resection throughout made the closing errors negligible.

CONTOURS:

The contours as shown on chart No. 6443 were checked at frequent intervals and found in good agreement and accepted as correct inasmuch as it was impracticable to complete a better contour survey by the usual planetable methods from the shore.

MAGNETIC OBSERVATIONS:

Observations with a magnetic declinatoire were made at triangulation station "JACKMAN 2".

GENERAL DESCRIPTION:

Liberty Bay is a narrow inlet making out from the western shore of Port Orchard about 2 miles south of Agate Passage and extends in a north-westerly direction for about 4 miles. Its shores are heavily wooded and steep at the entrance. On the west shore about 1 mile inside the entrance is located the Keyport Naval Torpedo Station.

Two wharves are located at the Torpedo Station as well as prominent radio masts, water tanks and buildings.

Wharves are also located at the towns or villages of Keyport, Virginia, Lemolo, Pearson, Scandia and Poulsbo.

Poulsbo is near the head of the bay and is the largest of the settlements in the bay and is the center of a large farming country.

A wharf is also located at the new home development of Sandy Hook about 0.8 miles north-east of Point Bolin.

The west shore of Port Orchard is also heavily wooded and becomes steep-to at south entrance of Agate Passage.

COMPARISON WITH EXISTING CHARTS:

Chart No. 6443:

The agreement in general is exceptionally good throughout with the main discrepancies occurring due to man made changes due to construction of new highways or wharves.

Differences in the location and size of points and bights can only be attributed to a lack of sufficient control in the older survey. The present survey was well controlled and particular care was taken to obtain the correct delineation of the shore line.

NEW NAMES:


Sandy Hook:

About 0.8 miles north-east of Point Bolin. This is the name used locally and on ferry schedules.

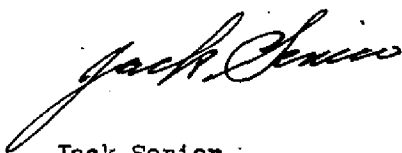
Virginia:

At the first wharf west of Keyport. This is the name used locally and on ferry schedules.

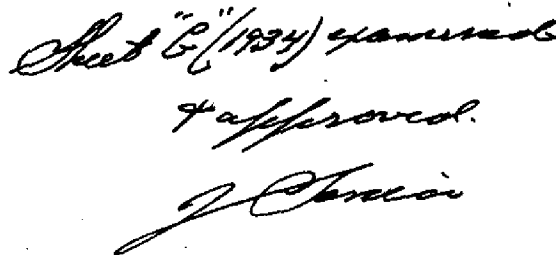
Respectfully submitted,


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.....	24.8
Statute miles of highways.....	5.4
Area, in square statute miles.....	3.1
Number of hydrographic stations located.....	154

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, flagstaves and like objects are not sufficiently permanent to chart.

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

LANDMARKS FOR CHARTS

Seattle, Washington

March 30 1935

DIRECTOR, U. S. COAST AND GEODETIC SURVEY:

The following determined objects ~~are reported to be readily distinguishable from seaweed from the description given below, and should be deleted~~ no longer exist and should be deleted from the charts affected.

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

REVIEW OF TOPOGRAPHIC SURVEY No. 6265

Title (Par. 56) *Liberty Bay & Agate Passage, Wash.*Chief of Party *Jack Senior* Surveyed by *W.F. Malnate* Inked by *W.F. Malnate*Ship *Explorer* Instructions dated *March 29, 1934* Surveyed in *July - Aug 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.)
No closures 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, ~~aerial~~ 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 ^{not} shown. (Par. 16c.)
No clearances shown on Keyport Bridge
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

T1637 (1881)

This survey was on a scale of 1:20,000 whereas the present survey is on 1:10,000. For this reason T1637 did not show the detail which is found on the present survey. For a discussion of rocks shown on T1637 and not shown on the present survey see Revels of H5577 (1934). There are many changes in detail on the present survey over T1637 due to man-made changes such as piling, docks and bridges.

T3523-a (1915)

This survey is in good agreement with the present survey except for minor details and numerous man-made changes.

T3675

This revision survey on a copy of chart 6443 does not show any detail not incorporated in the present survey.

T6265 (1934) supersedes T1637, T3523-a and T3675 in part.

A comparison of the present survey with chart 6443 did not show any important changes in detail not already mentioned above under the individual surveys.

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 IMs and DPs, 68.) *None Submitted*
16. A list of landmarks for charts was furnished on Form 567 and plotting checked. (Par. 16d, e, 60.) ✓
17. The magnetic meridian was shown and declination was checked. (Par. 17, 52.) *No note of having checked declination
Declination checks value of chart*
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 6260 (1934) on the East
Joins T 6264 (1934) on the South*
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.* *July 3, 1936.*

Examined and approved:

C. H. Green
Chief, Section of Field Records

L. O. Lobnitz
Chief, Division of Charts

Fred. L. Peacock
Chief, Section of Field Work

G. Thode
Chief, Division of Hyd. and Top.