

6441

U. S. COAST & GEODETIC SURVEY
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Ed. June, 1923

DEPARTMENT OF COMMERCE

U. S. COAST AND GEODETIC SURVEY

R. S. Patton *Director*

State: Washington

DESCRIPTIVE REPORT

Topographic } *Sheet No. G - 1935*
Hydrographic }

LOCALITY

Puget Sound

Quartermaster Harbor

1935

CHIEF OF PARTY

Jack Senior.

U. S. GOVERNMENT PRINTING OFFICE: 1923

6441

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 - 1935

REGISTER NO. 6441

State Washington

General locality Puget Sound

Locality Quartermaster Harbor²⁰

Scale 1:10,000 Date of survey 4/24 to 5/7, 1935.

Vessel U.S.C. & G.S.S. EXPLOPER

Chief of Party Jack Senior

Surveyed by Edwin C. Baum

Inked by Edwin C. Baum

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

~~Contours~~, Approximate contour, ~~Boundaries~~ interval 50 feet

Instructions dated March 29, 1934.

Remarks: _____

DESCRIPTIVE REPORT

TO ACCOMPANY TOPOGRAPHIC SHEET "G - 1935"

PUGET SOUND - WASHINGTON.

- o -

JACK SENIOR, CHIEF OF PARTY, C. & G. S.

DESCRIPTIVE REPORT

TO ACCOMPANY TOPOGRAPHIC SHEET "G - 1935",

PUGET SOUND - WASHINGTON.

AUTHORITY:

Survey was executed in accordance with the Director's Instructions, dated March 29, 1934. Project H.T. - 171.

LIMITS:

The area surveyed includes all of Quartermaster Harbor beginning at Piner Point on the east of entrance and at a point one mile north of Neill Point on the west entrance.

GENERAL DESCRIPTION:

The bay is divided into an outer and inner bay by an arm extending in an easterly direction near the head. Gently sloping hills covered with evergreen and deciduous trees are found near the head. The territory near the southern part of the bay rises more abruptly from the beach and is more heavily wooded by evergreen trees.

A low narrow neck of land separates Tramp Harbor and the northern extremity of Quartermaster Harbor.

Many of the homes in this bay are summer residences and are unoccupied during the winter.

CONTROL:

Triangulation control points executed during the seasons of 1921 and 1935 and based on North American 1927 datum were used.

SURVEY METHODS:

Standard plane table survey methods were used. Topographic signals were cut in from triangulation stations on the opposite shore and checked by traversing between control points.

No errors were found.

All off-lying features were rodded in.

CONTOURS:

Obtaining contours presented one of the most trying problems

in the execution of the topography. Due to the wooded nature of the country extreme caution had to be exercised in estimating the heights of trees. Tree heights varied up to 175 feet depending on whether second growth or virgin timber.

TOWNS:

The principal towns in this area are Dockton and Burton.

Harbor Heights, Indian Point, Magnolia Beach, Manzanita and Rosehilla are principally inhabited by summer residents.

DOCKS:

Except as noted, all docks as shown are in serviceable condition.

COMPARISON WITH CHART NO. 6460:

Due to the difference in scale between chart and topographic sheet a detailed comparison was prohibited. In general the two surveys indicate no important difference with the exception of the docks.

Insufficient contours on chart would not permit a satisfactory comparison.

ROCKS AND LOW WATER LINE:

Chart No. 6460 shows two rocks awash at Latitude $47^{\circ}23.2'$ Longitude $122^{\circ}28.2'$ and Latitude $47^{\circ}23.8'$, Longitude $122^{\circ}26.2'$. Obstructions to navigation, such as rocks, reefs, etc., between the high and low water line were chartered by the topographer, when the tide permitted, as he progressed along the beach. He was instructed not to return, in order to rod in the low water line, but to get whatever low water line was available while in any vicinity. The low water line as shown on topographic sheet was transferred from the smooth hydrographic sheet and in cases where the hydrographic sheet did not determine the exact low water line, to combine same with that obtained by topographer. This procedure was followed through out.

In the instance of rocks defined above the topographer was unable to determine the existence of same due to the stage of the tide. The hydrographic party was instructed to verify or disprove the existence of all chartered rocks.

TOPOGRAPHIC SIGNALS:

Except as noted on sheet, all topographic signals shown outside of highwater line are targets attached to stumps, fallen trees and etc., and are not of a permanent nature.

OUTLINED AREAS:

An outlined area immediately south of triangulation station "DOCKTON 1935", and marked platform is the remains of a platform for constructions of ships during the World War.

An outlined area between topographic signals "SIB" and "SOW" indicate the limits of construction equipment and materials for maintenance of ferry docks. The slender area on northern part is spare ferry ramp supported on piling.

GEOGRAPHIC NAMES

Chart name.	Local name.	Source from which information was obtained.	Recommended name.
	Indian Point ✓	Sign on dock, local maps and residents of resort.	Indian Point
	Harbor Heights ✓	Sign on dock, local maps and residents of resort.	Harbor Heights.
Vashon Island ✓	Vashon Island	All signs, maps and residents.	Vashon Island.
Maury Island ✓	Maury Island ✓	All signs, maps and residents.	Maury Island.
	Judd Creek ✓	Local information.	Judd Creek.
	Newport ✓	Local information.	Newport.
Quartermaster	Quartermaster	Chart and local verification.	Quartermaster.

GEOGRAPHIC NAMES

Chart name	Local name	Source from which information was obtained.	Recommended name.
Piner Point	Piner Point	Chart name verified by residents.	Piner Point
	Clam Point	Inhabitants know this point as recommended.	Clam Point
	Gospel Point	Inhabitants know this point as recommended.	Gospel Point
Quartermaster Harbor	Quartermaster Harbor and Little Quartermaster Harbor.	The main bay is locally known as Quartermaster Harbor. The inner portion of head is locally known as Little Quartermaster Harbor.	Quartermaster Harbor and Little Quartermaster Harbor.
	Rosehilla	Sign on dock, local road maps, highway signs and residents of resort.	Rosehilla
Manzanita	Manzanita	Sign on dock, local road maps, highway signs and residents of resort.	Manzanita
Dockton	Dockton	Sign on dock, local road maps, highway signs and residents of town.	Dockton
Burton	Burton	Sign on dock, local road maps, highway signs and residents of town.	Burton
	Shawnee	Sign on dock, local road maps, highway signs and residents of resort.	Shawnee.
Magnolia Beach	Magnolia Beach	Sign on dock, local maps and residents of resort.	Magnolia Beach.

Respectfully submitted,

A handwritten signature in cursive script, reading "Edwin C. Baum".

Edwin C. Baum,
Jr. H. & G. Engr., C. & G. S.,
U.S.C. & G.S.S. EXPLORER.

APPROVE & FORWARDED:

A handwritten signature in cursive script, reading "Jack Senior".

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

Remarks

Decisions

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GEOGRAPHIC NAMES

Survey No. 6441

GEOGRAPHIC NAMES		6460									
Survey No. 6441											
Name on Survey											
	A	B	C	D	E	F	G	H	K		
Maury Island ✓	*		✓	✓	✓					1	
Piner <u>Piner</u> ✓	*		✓							2	
<u>Rosehilla</u> ✓	*		HHH	✓						3	
<u>Manzanita</u> ✓	*			✓						4	
<u>Quartermaster Harbor</u> ✓	*		✓							5	
<u>Dockton</u> ✓	*			✓						6	
<u>Quartermaster</u> ✓				✓	✓				*	7	
<u>Judd Creek</u> ✓			*	✓					✓	8	
<u>Newport</u> ✓				✓					*	9	
<u>Clam Pt.</u> ✓				✓	✓				*	10	
<u>Gospel Pt.</u> ✓				✓	✓				*	11	
<u>Burton</u> ✓	*		✓							12	
<u>Shawnee</u> ✓	*			✓						13	
<u>Magnolia Beach</u> ✓	*			✓						14	
<u>Indian Pt.</u> ✓	*			✓	✓					15	
<u>Harbor Heights</u> ✓	*			✓	✓					16	
<u>Vashon Island</u> ✓	*		✓	✓	✓		✓			17	
<u>Portage</u> ✓	*			✓						18	
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Names underlined in red approved
by W.D. on 5/21/26

M 234

Names underlined in red approved
by *EGH* on 5/2/36

MEMORANDUM

IMMEDIATE ATTENTION

~~SURVEY~~
 DESCRIPTIVE REPORT } ~~No. H~~
~~PHOTOSTAT OF~~ } No. T **6441**

{ 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

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C. K. Green

REVIEW OF TOPOGRAPHIC SURVEY No. 6441

Title (Par. 56) *Quartermaster Harbor, Washington*Chief of Party *Jack Senior* Surveyed by *E.C. Baum* Inked by *E. C. Baum*Ship *Explorer* Instructions dated *March 29, 1934* Surveyed in *Apr. - 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.)
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, coral reefs and rocks, and legends pertaining to them is satisfactory. (Par. 36, 37, 38, 39, 40, 41.) *Low Water Line transferred from Hydrographic Survey (See D.R. page 2)*
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 (1876-7)

This survey is on a scale of 1:20,000 whereas the present survey T6441 is on 1:10,000. For this reason there is much more detail on the present survey. The general shoreline of the two surveys is in close agreement. Many man-made changes show a big difference on the present survey over T1452-b.

T2922 (1909)

This survey is not a complete topographic survey.. The shoreline in general is in good agreement with the present survey. Docks and piling are not in agreement. These being man-made details are continually changing. It is noted that some docks have disappeared on the present survey that were shown on T2922 whereas others have been built which were not in existence when T2922 was surveyed. No relief is shown on T2922.

T3152 (1910-11)

This survey is made up of a number of tracings giving bearings from one point or object to another. It is of little value in making a comparison of this survey with the present survey.

A comparison of the present survey showed several changes in detail. A couple of rocks awash are shown at Lat. $47^{\circ} 23' 2''$ Long. $122^{\circ} 28' 32''$ and Lat. $47^{\circ} 23' 8''$ Long. $122^{\circ} 26' 2''$ and are not shown on the present survey. These rocks are within the L. W. line as shown on the present survey.

The contemporary hydrographic survey also does not show these rocks. An examination of H1425 (1878) revealed that these rocks were boulders on the beach under water at 7 ft. of tide. These boulders were not considered important enough to bring forward to the present survey. Several man-made changes appear in this area.

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 6435 (1935) on the East
Joins T 6440 (1935) 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. June 30, 1936

Examined and approved:

E. H. Green
Chief, Section of Field Records*L. O. Dolbuit*
Chief, Division of Charts*Frederic L. Peacock*
Chief, Section of Field Work*W. H. Wade*
Chief, Division of Hyd. and Top.