

6447

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. M - 1935.

LOCALITY

Puget SoundVicinity of Fox Island and ChambersCreek.Gibson Pt. and Vicinity1935.

CHIEF OF PARTY

Jack Senior.

U. S. GOVERNMENT PRINTING OFFICE: 1923

6447

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. M - 1935.

REGISTER NO.

State.....Washington.....

General locality.....Puget Sound.....

Locality.....Gibson Pt. and Vicinity
~~Fox Island and Chambers Creek~~.....

Scale 1:10,000..... Date of survey.....July....., 1935.

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

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 top of rocks~~

~~Section~~, Approximate contour, ~~Section~~ interval 50 feet

Instructions dated.....March 29,....., 1934.

Remarks:.....

DESCRIPTIVE REPORT

TO ACCOMPANY TOPOGRAPHIC SHEET "M"

1 9 3 5

- o -

Jack Senior, Chief of Party, C. & G. S.

- o -

DESCRIPTIVE REPORT
TO ACCOMPANY TOPOGRAPHIC SHEET "M - 1935",
PUGET SOUND - WASHINGTON.

AUTHORITY:

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

LIMITS:

This survey includes the southern part of Fox Island and on the mainland from the south end of Day Island to a point approximately three quarters mile south of Chambers Creek.

GENERAL DESCRIPTION:

The general appearance of the mainland conforms with the remainder of the country in this vicinity. Rising abruptly from the shore it attains an even height of approximately 250 feet and appears as a flat top plateau from shipboard. Near the south end of this area, Chambers Creek breaks the monotony of this plateau.

Several large sand pits are found here that form excellent landmarks. Only one pit is in operation at present and is located at topographic signal "PA".

The section referred to herein as the mainland area is partly covered with trees and partly with grass. Inspection of sheet will best determine these areas.

The southern part of Fox Island included in this survey appears as a ridge lying in a general northwest and southeast direction. The south western slope of ridge rises abruptly while the north eastern slope has a gradual, gentle rise. The entire area on Fox Island is heavily wooded with both evergreen and deciduous trees.

Along the Fox Island shore, steep dirt eroding bluffs of varying heights are found. These bluffs, for occasional short distances, give away to normal slopes.

CONTROL:

Triangulation control points executed during seasons of 1924 and 1935, and based on North American 1927 datum were used.

SURVEYING 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:

Contours along the main, or eastern shore of sound were obtained in the usual manner and were more definitely determined due to the scarcity of trees.

See descriptive report "E - 1935" for explanation of contours on Fox Island.

TOWNS:

There are no towns in this area. ✓

Sunnyside Beach is a summer resort, principally for week end swimming and picnicing. Cottages may be rented here. One man owns and operates entire resort. One of the best sand beaches in sound is maintained here.

DOCKS:

A ferry dock is located at Fox Point. This dock is constructed of concrete piers and is in good condition. No boats stop there at present.

A dock in fair condition is located at topographic signal "SAT". The dock was used for loading barges at sand pit. This sand pit has been out of operation for several years and from best available information will not be operated in the near future.

A sand pit, with dock in excellent condition, operating at full capacity is located at topographic signal "PA".

A dock in good condition is located in Chamber's Creek just north of topographic signal "CHIM". This dock is maintained by the Everett Pulp and Paper Plant. The plant is out of operation at present but is kept in condition to start immediate operations.

COMPARISON WITH CHART NO. 6460:

Many changes are noted between chart and this survey. These changes are man-made. Chart does not show sand pits, sand pits docks, railroad, draw bridge, dam and other minor details.

Too few contours are shown on chart to permit a comparison.

INSERT:

The extreme eastern end of Chambers Creek falls off the topographic sheet. The points marked "A" and "B" of insert are common to the points marked "A" and "B" on shoreline. The insert is in azimuth.

TOPOGRAPHIC SIGNALS:

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

DAM:

A dam as shown is located in Chambers Creek. This dam was constructed to furnish fresh water to the two sandpit companys and the Everett Pulp and Paper Plant. An unattended pumping station is maintained at dam. The dam has an approximate drop of eight and one half feet to mean high water. A fish ladder is located at west end of dam.

ROCKS:

Several rocks were found along the Fox Island shoreline. The heights of critical rocks are noted on sheet.

OTHER ITEMS:

The railroad maintains an elevation of thirteen feet throughout the area of this sheet. Where the railroad is close to the highwater line, a heavy rock fill was made. This forms a steep rocky shoreline.

The small section of land outside the railroad tracks at topographic signal "MICE" has an excellent sand beach. Here, as in every case where good sand beaches are to be had on the sound, summer homes are built.

The buoy, Tol^{iv}via Shoal, as shown was located by four cuts.

The long narrow neck of land in Chambers Creek extending in a northeast direction just north of topographic signal "TEL" is occupied by a saw mill. This mill was in operation during period of survey.

The bight, between neck of land described in previous paragraph and railroad embankment to westward is used as a small boat harbor.

The group of piling just south of topographic signal "TUM" and shown outside of high water line is the remains of a loading platform for an unoperated sandpit.

The draw bridge at Chambers Creek has a width clearance of forty five feet and an overhead clearance of nine feet above mean high water. This bridge is unattended.

(approx.)

at lowered position.

← notes in red
from survey sheet.
RDG

The outlines of the sand pits as shown were rodged in and corrected elevations, accurately determined. The pit east of topographic signal "PA" is in operation at present and is constantly changing shape. The other pits are out of operation at present, and from best available information do not anticipate future operations.

LOW WATER LINE:

The low water line was transferred from smooth hydrographic sheet.

GEOGRAPHIC NAMES

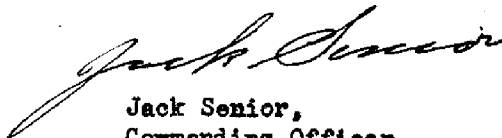
Chart name.	Local name.	Source from which information was obtained.	Recommended name.
Toliva Shoal	Toliva Shoal	Well established name.	Toliva Shoal.
Gibson Point	Gibson Point	Well established name. <i>orig. order O.T. off</i>	Gibson Point.
	Fox Point	Inhabitants in this vicinity know this point as Fox Point.	Fox Point.
	Fox Pt. (landing)	This concrete dock in excellent condition, not in use at present, is locally known as Fox Point by inhabitants, ferry operators, and maps other than Coast Survey.	Fox Point.
Chambers Creek	Chambers Creek	Well established name.	Chambers Creek.
	Sunnyside Beach	Name obtained from owner of resort, visitors to resort, inhabitants in vicinity and signs.	Sunnyside Beach.
Fox Island	Fox Island	Well established name.	Fox Island.

Respectfully submitted,

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

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

APPROVED AND FORWARDED:

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

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

Remarks

Decisions

1		
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4		
5	show only one of Pby as on chart	
6	if this was a mistake by not name it as minimum order	
7	thought Pt Gibson is in 45G; it has already been changed in red, or chart. Lt. List has "Gibson Pt" P.D. have returned to orig. of chart (P.D.) 6/12/36	2 Pt. <u>Gibson Pt.</u>
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9	make it clear way to distinguish between Fox Pt. the ferry, features north of here; Fox Pt.	<u>Fox Pt. Ldg</u>
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GEOGRAPHIC NAMES

Survey No. **6447**

Name on Survey

	A	B	C	D	E	F	G	H	K	
<u>Puget Sound</u> ✓	*	✓	✓	✓	✓		✓	✓		1
<u>Sunnyside Beach</u> ✓				✓					*	2
<u>Chambers Creek</u> ✓	*	✓				✓				3
<u>Carr Inlet</u> ✓	*	✓				✓				4
<u>Fox Pt.</u> ✓ (for point only)	*			✓		✓				5
Gibson Pt. <u>Gibson Pt.</u> ✓	*	✓	*	✓		✓		✓		6
<u>Fox Island</u> ✓	*	✓		✓						7
<u>Toliva Shoal</u> ✓	*			✓		✓		✓		8
<u>Fox Pt. Ldg</u> ✓				✓	✓				*	9
<u>Hyde Pt</u> ✓	*	✓		✓		✓				10
<u>McNeil I</u> ✓	*	✓		✓		✓				11
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Names underlined in red approved
by *[Signature]* on 5/23/36

MEMORANDUM

IMMEDIATE ATTENTION

~~SURVEY~~
~~DESCRIPTIVE REPORT~~ } ~~No. H~~
~~PHOTOSTAT OF~~ } No. T **6447**

{ 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
20			
22			
24			
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30			
40			
62			
63			
82			
83			
88			
90			

RETURN TO

82	
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C. K. Green

REVIEW OF TOPOGRAPHIC SURVEY No. 6447

Title (Par. 56) *Gibson Point and Vicinity, Wash.*Chief of Party *Jack Senior* Surveyed by *E.C. Baum* Inked by *E.C. Baum*Ship *Explorer* Instructions dated *March 29, 1934* Surveyed in *July, 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.) ✓
See also Descriptive Report for T6439
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 4)*
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

H499 (1855)

This survey is primarily a preliminary hydrographic survey and is only comparable to the present survey in a very general way.

T1671 (1877-8)

This survey is on a scale of 1:20,000 whereas the present survey is on 1:10,000. The shore line on T1671 is generally in good agreement with the present survey but due to the difference in scale the present survey is more in detail, especially as to the numerous man-made changes.

T1671-a (1910)

This revision survey of 1671 shows docks opposite the sand pit which are further developed on the present survey.

T6447 supersedes H499 and T1671-a in part.

A comparison between chart 6460 and the present survey is given on page 3 of the Descriptive Report, which is considered adequate.

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.) ✓
17. The magnetic meridian was shown and declination was checked. (Par. 17, 52.) *Declination 1°45' E of 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 6446 (1935) on the North Joins T 6448 (1935) on the West.
Joins T 6451 (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. P. Bush Jr. June 29, 1936.

Examined and approved:

C. H. Green
Chief, Section of Field Records*L. O. Dolbut*
Chief, Division of Charts*Fred. R. Peacock*
Chief, Section of Field Work*G. H. de*
Chief, Division of Hyd. and Top.