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U. S. COAST & GEODETIC SURVEY
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A. No. _____

Form 504
Ed. June, 1928

DEPARTMENT OF COMMERCE

U. S. COAST AND GEODETIC SURVEY

R. S. PATTON..., *Director*

State: Washington

DESCRIPTIVE REPORT

Topographic
~~Hydrographic~~

Sheet No. "B" - 1935

LOCALITY

~~VICINITY OF EAST AND~~

Harbor Island

~~WEST WATERWAYS & Vicinity~~

Elliott Bay

~~SEATTLE~~

19 35

CHIEF OF PARTY

JACK SENIOR

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 "B" - 1935

REGISTER NO. 6334

State WashingtonGeneral locality ~~Puget Sound~~ Elliott BayLocality ~~Elliott Bay, East and West Waterways~~ Harbor Island VicinityScale 1:5,000 Date of survey APRIL, 1935Vessel Str. EXPLORERChief of Party Jack Senior, H. & G. E.Surveyed by H. F. GarberInked by Howard HardyHeights in feet above ----- to ground to tops of treesContour Approximate contour Form line interval ---- feetInstructions dated March 29, 1934.Remarks: -----

MEMORANDUM

IMMEDIATE ATTENTION

~~SURVEY~~
~~DESCRIPTIVE REPORT~~ } ~~No. H~~
~~PHOTOSTAT OF~~ } No. T-6334

{ ~~received~~
~~registered~~
~~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			
25			
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62			
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82			
83			
88			
90			
63	Mr. Sutcliffe	W.M.L.	Page 2 Par. 2 of Descriptive Report

RETURN TO

Room 2229 82 A.L. Shelowitz

DESCRIPTIVE REPORT
TO ACCOMPANY TOPOGRAPHIC SHEET NO. B - 1935
VICINITY OF EAST AND WEST WATERWAY
SEATTLE, WASHINGTON

- 0 -

JACK SENIOR - CHIEF OF PARTY
SEASON OF 1935

DESCRIPTIVE REPORT

TO ACCOMPANY TOPOGRAPHIC SHEET NO. B - 1935

VICINITY OF EAST AND WEST WATERWAY

SEATTLE, WASHINGTON

AUTHORITY:

The survey was made in accordance with Director's Orders, dated March 29, 1934. ✓

LIMITS:

The survey covers Harbor Island, the East and West Waterways as far as Spokane Avenue, where it joins a recent survey of the Army Engineers. It joins Field Sheet "A - 1935" to the north-east and Field Sheet "P - 1934" to the westward. ✓

CONTROL:

The survey is based on the 1927 North American Datum. ✓

SURVEY METHODS:

Standard plane table methods were used throughout. Traverses were run along the Elliott Bay shoreline, and three point fixes were used to control the Waterways. Numerous objects had been located by triangulation so that a strong fix was available at all times. ✓

COMPARISON WITH CHART:

Considerable changes have been made in the detail since the last survey. Some of the industrial plants have expanded, while others have been shut down and razed, new plants being built on the sites. All of this has led to changes in the size, shape and location of buildings. ✓

Another change is noted in the shore line of Harbor Island and along the west shore of West Waterway. This is filled ground that erodes very easily. The stations "East Waterway" and "West Waterway" were established in 1934 twenty to thirty feet in from Mean High Water, while less than a year later, they were exactly on High Water Line. ✓

No notation is shown on the chart of the extensive tidal flats just west of West Waterway. The area is used for storage of logs.

LANDMARKS FOR CHARTS:

The landmarks for charts for this area were submitted in 1934. The position of "Tank, Albers Mill" previously submitted is in error and is being resubmitted. When the triangulation stations were plotted on the sheet, it was found that there was two positions of the above tank, as located by the party of E. E. Smith, 1934 and by a party of the Str. EXPLORER. The topographic Survey revealed the latter position to be correct.

The correction was noted on the previous "Landmarks" and Geodesy also was notified. H.C. March 30, 1936

A section of the KOL Radio Mast on Harbor Island was removed in March, 1935, so that its height is now 435 feet instead of 470 feet as previously reported.

Respectfully submitted,

Harry F. Garber
Harry F. Garber,
Jr. H. & G. E., C. & G. S.,
U.S.C. & G.S.S. EXPLORER.

Approved and forwarded:

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

STATISTICS

Statute Miles of Shoreline.:.....	8.5
Area, in square statute miles.....	1.8
Statute Miles of Railroad.....	15.0
Statute Miles of Roadway.....	4.0

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. 6334(1935) "B" 1935

Title (Par. 56) *Harbor Island and Vicinity, Elliot Bay, Washington*
 Chief of Party *Jack Senior* Surveyed by *H.F. Garber* Inked by *Howard Hardy*
 Ship *Explorer* Instructions dated *Mar. 29, 1934* Surveyed in *April 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.) ✓
4. The amount of vertical control that the Manual specifies for -contours-formlines- was accomplished. (Par. 18, 19, 20, 21, 22, 23.)
No vertical control established
5. The delineation of -contours-formlines- is satisfactory. (Par. 49, 50.) *None shown*
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.) ✓
9. Rocks and other important details shown on previous surveys and on the chart were verified. (Par. 25, 26, 27.) ✓
Considered area at entrance to East Waterway in connection with review of H-5846 (1935) R 76 March 3, 1936
Completed westward to long. 122-21.7 (H-6845 (1935) R 76 Mar. 6, 1936.
Completed, in connection with review of H-5844 (1934-5) R 76 Mar. 12, 1936.
10. The span, draw and clearance of bridges are ^{not} shown. (Par. 16c.)
Roads and railways across tidal flats are supported on trestles but the clearance at H.W. is not indicated.
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.

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. ^{No} 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 DP's, 68.)
16. A list of landmarks for charts was furnished on Form 567 and plotting checked. (Par. 16d, e, 60.) ✓
17. The magnetic meridian was ^{not} shown and declination was checked. (Par. 17, 52.)
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~~ ✓
24. Remarks:

Reviewed in office by *R. J. Christman* March 4th, 1936.

Sheet inspected by *A. L. Shalowitz*

Examined and approved:

C. H. Green
Chief, Section of Field Records

L. O. Collett
Chief, Division of Charts

Fred. L. Peacock
Chief, Section of Field Work

W. H. Hinde
Chief, Division of Hyd. and Top.