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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.

A 35

LOCALITY

Vicinity of PUGET SOUND
East Side of Shore of
ELLIOTT BAY, SEATTLE

1935

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 A - 35

REGISTER NO.

6333

State WASHINGTON

General locality Vicinity of
PUGET SOUND²⁰

Locality East Side of
ELLIOTT BAY, SE. TIER

Scale 1:5,000 Date of survey MARCH - APRIL, 1935

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

Chief of Party JACK SENIOR H. & G.E.

Surveyed by H. F. GARBER

Inked by HOWARD HARDY

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

Contour Approximate contour Form line interval-----feet

Instructions dated MARCH 29, 1937

Remarks: _____

DESCRIPTIVE REPORT
TO ACCOMPANY TOPOGRAPHIC SHEET "A - 35"

ELLIOTT BAY
PUGET SOUND - WASHINGTON

- 0 -

JACK SENIOR - CHIEF OF PARTY
SEASON OF 1935

DESCRIPTIVE REPORT
TO ACCOMPANY TOPOGRAPHIC SHEET "A-35"
PUGET SOUND - WASHINGTON

AUTHORITY:

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

LIMITS:

The survey extends along the Seattle waterfront from West Harrison St. to West Connecticut St. The sheet joins Field Sheet "M-34" to the North, and Field Sheet "B-35" to the South. ✓

CONTROL USED:

In order to have triangulation stations that could be occupied with a plane table, it was found necessary to establish stations along the pier heads with the exception of "CAN 1934" which is marked with a standard disc in a concrete pier, the remaining stations were temporarily marked on wooden wharf floors. These stations were supplemented by numerous intersection stations along the waterfront such as tanks, flagpoles and warehouse gables. Prominent objects in downtown Seattle located by triangulation in 1934 were also used. All control is on the 1927 N. A. Datum. ✓

SURVEY METHODS:

Standard plane table methods were used throughout. Short traverses were run along the pier heads tying into triangulation stations. A second traverse was run along Railroad Ave. tying into points along the pier heads and continually checked by three point fixes. In view of the rigid control, it is felt that the detail is located with a high degree of accuracy. The detail was limited to the immediate waterfront with sufficient street intersections to tie into existing city surveys. ✓

COMPARISON WITH EXISTING CHARTS:

Minor differences were noted in the shape of some of the piers as shown on chart #6449. A chart was carried in the field and where the differences occurred the new work was carefully checked. ✓

A new concrete seawall was in the process of construction from Bay St. South, at the time of the survey. The high water line at the head of the slips is the location of the seawall. ✓

LANDMARKS FOR CHARTS:

Landmarks for charts for this area were submitted in 1934. One additional landmark is submitted on the form, "Landmarks For Charts". This is a lighted neon sign, located on the top of the Bell St. Terminal Building, with the words "PORT OF SEATTLE", the letters being twenty feet high. This is shown by a heavy black line on the topographic sheet. ✓

NAMES OF PIERS:

It is believed that a valuable addition to the chart would be to show the numbers or letters of the various piers. These were taken directly from the notation on the warehouses. ✓

Respectfully submitted,

Harry F. Garber

H. 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
TO ACCOMPANY TOPOGRAPHIC SHEET "A-35"

Statute Miles of shoreline.....	2.7
Square Statute miles, Area.....	0.8

REVIEW OF TOPOGRAPHIC SURVEY No. 6333(1935). "A-35"

Title (Par. 56) *East Side of Elliot Bay, Vicinity of Puget Sound, Washington*Chief of Party *Jack Senior* Surveyed by *H. F. Garber* Inked by *Howard Hardy*Ship *Explorer* Instructions dated *March 29, 1934* Surveyed in *Mar. - Apr. 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 contours were delineated.
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.) ✓
Examined in connection with review of H-5846(1935) Rfls March 3, 1936.
10. ~~The span, draw and clearance of bridges are shown.~~ (Par. 16e.)
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 compi-
lation 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 DMs and DPs, 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 shown and declination was checked. (Par. ✓
17, 52.) *The variation is noted on the sheet instead of the
error of the declination.*
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 Des- ✓
criptive 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 3, 1936.*
Inspected by A. L. Shalaway.

Examined and approved:

C. K. Green
Chief, Section of Field Records

L. O. Polbat
Chief, Division of Charts

J. L. Peacock
Chief, Section of Field Work

Stude
Chief, Division of Hyd. and Top.