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

1935.

CHIEF OF PARTY

JACK SENIOR
DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

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

Vicinity of

General locality  PUGET SOUND

East Side of

Locality  ELLIOTT BAY, SEATTLE

Scale 1:15,000  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. GABBER

Inked by  HOWARD HARDY

Heights in feet above M. H. W. to ground to M. L. W.

Contour  Approximate contour  Form line interval  Feet

Instructions dated  MARCH 29, 1935

Remarks:  

T. S. Cooperman  Photog. Office  1935
DESCRIPTIVE REPORT
TO ACCOMPANY TOPOGRAPHIC SHEET "A - 35"

ELLIOTT BAY
PUGET SOUND - WASHINGTON

- 0 -

JACK SENIOR - CHIEF OF PARTY
SEASON OF 1935
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
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
TO ACCOMPANY TOPOGRAPHIC SHEET "A-35"

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

Survey No. 75333
Chart No. 6450
Diagram No. 6450-2

Approved by the Division of Geographic Names, Department of Interior. *

Referred to the Division of Geographic Names, Department of Interior. R

Under investigation. Q

<table>
<thead>
<tr>
<th>Status</th>
<th>Name on Survey</th>
<th>Name on Chart</th>
<th>New Names in local use</th>
<th>Names assigned by Field</th>
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Names approved 7/35

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

Title (Par. 56) East Side of Elliott Bay Vicinity of Puget Sound, Washington

Chief of Party Jack Senior Surveyed by H. F. Barker Inked by Howard Hardy

Ship Explorer Instructions dated March 29, 1935 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, 45, 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.)

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 topo-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 DPAs, 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 chart instead of the error by the Declination.

18. The geographic datum of the sheet is North America 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, 29, 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:

Examined and approved:

[Signatures]

Chief, Section of Field Records
Chief, Section of Field Work
Chief, Division of Charts
Chief, Division of Hyd. and Top.