DESCRIPTIVE REPORT

TP-00696                1

Job No.       Map Classification          Type of Survey
CM-7711              FINAL MAP             SHORELINE

LOCALITY

State          General Locality             Locality
WASHINGTON        SHILSHOLE BAY TO SAND POINT       SHILSHOLE BAY

1977 TO 1978

REGISTERED IN ARCHIVES

DATE
### Descriptive Report - Data Record

**Photogrammetric Office**
Coastal Mapping Division,
AMC, Norfolk, VA

**Officer-in-Charge**
Jeffery G. Carlen, CDR

#### Instructions Dated

<table>
<thead>
<tr>
<th>1. Office</th>
<th>2. Field</th>
</tr>
</thead>
<tbody>
<tr>
<td>Compilation</td>
<td>Nov. 17, 1977</td>
</tr>
<tr>
<td>Amendment I</td>
<td>Dec. 05, 1977</td>
</tr>
</tbody>
</table>

#### Datums

1. **Horizontal:** 1927 North American

2. **Vertical:**
   - Mean High-Water
   - Mean Low-Water
   - Mean Lower Low-Water
   - Mean Sea Level

3. **Map Projection:** Lambert Conformal Conic

4. **Grids:**
   - State: Washington
   - Zone: North

#### History of Office Operations

<table>
<thead>
<tr>
<th>Operations</th>
<th>Name</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Aerotriangulation</td>
<td>S. Solbeck</td>
<td>Nov. 1977</td>
</tr>
<tr>
<td>Method: Analytic</td>
<td>J. Perrow</td>
<td>Nov. 1977</td>
</tr>
<tr>
<td>2. Control and Bridge Points</td>
<td>S. Solbeck</td>
<td>Dec. 1977</td>
</tr>
<tr>
<td>Method: Corodamat</td>
<td>J. Perrow</td>
<td>Dec. 1977</td>
</tr>
<tr>
<td>Scale: 1:10,000</td>
<td>N.A.</td>
<td></td>
</tr>
<tr>
<td>Method: Smooth-Drafted</td>
<td>J. Byrd</td>
<td>Feb. 1978</td>
</tr>
<tr>
<td>Scale: 1:10,000</td>
<td>N.A.</td>
<td></td>
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<tr>
<td>Method: Smooth-Drafted</td>
<td>J. Byrd</td>
<td>Feb. 1978</td>
</tr>
<tr>
<td>Method: Smooth-Drafted</td>
<td>C. W. Goff</td>
<td>Dec. 1978</td>
</tr>
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<td>N.A.</td>
<td></td>
</tr>
<tr>
<td>Method: Smooth-Drafted</td>
<td>L. O. Neterer, Jr.</td>
<td>Apr. 1985</td>
</tr>
<tr>
<td>Method: Smooth-Drafted</td>
<td>P. Demers</td>
<td>Aug. 1985</td>
</tr>
</tbody>
</table>

### NOAA Form 76-36A

Supercedes Form CAG 181 Series

---

*U.S. Government Printing Office 1977-765-092*
1. Compilation Photography

<table>
<thead>
<tr>
<th>NUMBER AND TYPE</th>
<th>DATE</th>
<th>TIME</th>
<th>SCALE</th>
<th>STAGE OF TIDE</th>
</tr>
</thead>
<tbody>
<tr>
<td>77B(P) 7916 thru 7923</td>
<td>Aug. 1, 1977</td>
<td>15:30</td>
<td>1:30,000</td>
<td>6.1 ft. above MLLW</td>
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<tr>
<td>77B(P) 7904 thru 7911</td>
<td>Aug. 1, 1977</td>
<td>15:11</td>
<td>1:20,000</td>
<td>5.2 ft. above MLLW</td>
</tr>
</tbody>
</table>

Remarks

2. Source of Mean High-Water Line:

The mean high water line was compiled from the above listed panchromatic photographs.

3. Source of Mean Lower Low-Water Line:

No Mean Lower Low Water Line was compiled.

4. Contemporary Hydrographic Surveys

List only those surveys that are sources for photogrammetric survey information.

5. Final Junctions

<table>
<thead>
<tr>
<th>NORTH</th>
<th>EAST TP-00648</th>
<th>SOUTH</th>
<th>WEST</th>
</tr>
</thead>
<tbody>
<tr>
<td>No survey</td>
<td>1:5,000 scale*</td>
<td>No survey</td>
<td>No survey</td>
</tr>
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</table>

Remarks

*TP-00647 is a 1:5,000 scale map inset within this map.
### History of Field Operations

<table>
<thead>
<tr>
<th>Operation</th>
<th>Name</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chief of Field Party</td>
<td>R. Melby</td>
<td>Aug 1977</td>
</tr>
<tr>
<td>Horizontal Control</td>
<td>R. Melby</td>
<td>Aug 1977</td>
</tr>
<tr>
<td>Vertical Control</td>
<td>L. Riggers</td>
<td>Aug 1977</td>
</tr>
<tr>
<td>Landmarks and Aids to Navigation</td>
<td>None</td>
<td>None</td>
</tr>
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<table>
<thead>
<tr>
<th>Source Data</th>
<th></th>
<th></th>
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<tbody>
<tr>
<td>Horizontal Control Identified</td>
<td>PANELED</td>
<td>None</td>
</tr>
<tr>
<td>Vertical Control Identified</td>
<td>None</td>
<td>None</td>
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</table>

#### Source Data

- **Horizontal Control Identified**
  - **Photo Number**: 77B-7918
  - **Station Name**: OLYMPIC 3, R.M.7, 1973

#### Photo Numbers (Clarification of Details)
- None

#### Landmarks and Aids to Navigation Identified
- None

#### Supplemental Maps and Plans
- None

#### Other Field Records
- One Form 76-53
## HISTORY OF FIELD OPERATIONS

### I. FIELD OPERATION

<table>
<thead>
<tr>
<th>OPERATION</th>
<th>NAME</th>
<th>DATE</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHIEF OF FIELD PARTY</td>
<td>R. Melby</td>
<td>Aug 1978</td>
</tr>
<tr>
<td>HORIZONTAL CONTROL</td>
<td>R. Melby</td>
<td>Aug 1978</td>
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<tr>
<td>VERTICAL CONTROL</td>
<td>None</td>
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<tr>
<td>LANDMARKS AND AIDS TO NAVIGATION</td>
<td>R. Melby</td>
<td>Aug 1978</td>
</tr>
</tbody>
</table>

### II. SOURCE DATA

1. **HORIZONTAL CONTROL IDENTIFIED**: None  
2. **VERTICAL CONTROL IDENTIFIED**: None

### III. TYPE OF INVESTIGATION

- Complete
- Specific names only
- No investigation

### IV. PHOTO INSPECTION

- **Clarity of Details by R. Melby**: Aug 1978

### V. BOUNDARIES AND LIMITS

- **Surveyed or Identified by N.A.**: None

### VI. PHOTO NUMBERS

- 778(P) 7904 thru 7910

### VII. LANDMARKS AND AIDS TO NAVIGATION

- **Identified by None**

### VIII. GEOGRAPHIC NAMES

- Report
- None

### IX. BOUNDARY AND LIMITS

- Report
- None

### X. SUPPLEMENTAL MAPS AND PLANS

### XI. OTHER FIELD RECORDS

- Film Ozalid with field notes
- One filed book of field positions
## RECORD OF SURVEY USE

### I. MANUSCRIPT COPIES

<table>
<thead>
<tr>
<th>Compilation Stages</th>
<th>Date</th>
<th>Remarks</th>
<th>Marine Charts</th>
<th>Hydro Support</th>
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<tr>
<td>Compilation complete pending field edit.</td>
<td>Jan. 1978</td>
<td>Class III Manuscript</td>
<td></td>
<td></td>
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<tr>
<td>Field edit applied compilation complete</td>
<td>Dec. 1978</td>
<td>Class I Manuscript</td>
<td></td>
<td>May 15, 1979</td>
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<tr>
<td>Final Review</td>
<td>April 1985</td>
<td>Final Map</td>
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### II. LANDMARKS AND AIDS TO NAVIGATION

#### 1. REPORTS TO MARINE CHART DIVISION, NAUTICAL DATA BRANCH

<table>
<thead>
<tr>
<th>Number (pages)</th>
<th>Chart Letter</th>
<th>Number Assigned</th>
<th>Date Forwarded</th>
<th>Remarks</th>
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<tbody>
<tr>
<td>2</td>
<td></td>
<td></td>
<td>May 15, 1979</td>
<td>Landmarks and aids to be charted</td>
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### III. FEDERAL RECORDS CENTER DATA

1. ☑ BRIDGING PHOTOGRAPHS; ☑ DUPLICATE BRIDGING REPORT; ☑ COMPUTER READOUTS.
2. ☑ CONTROL STATION IDENTIFICATION CARDS; ☑ FORM NOS 567 SUBMITTED BY FIELD PARTIES.
3. ☑ SOURCE DATA (except for Geographic Names Report) AS LISTED IN SECTION II, NOAA FORM 76-36C. ACCOUNT FOR EXCEPTIONS:

### IV. SURVEY EDITIONS

<table>
<thead>
<tr>
<th>Edition</th>
<th>Survey Number</th>
<th>Job Number</th>
<th>Type of Survey</th>
<th>Revised</th>
<th>Resurvey</th>
<th>Map Class</th>
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<tr>
<td>Second</td>
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<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Third</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fourth</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
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</tbody>
</table>
SUMMARY TO ACCOMPANY
DESCRIPTIVE REPORT
TP-00696

This 1:10,000 scale shoreline map is one of six maps that comprise project CM-7711, Shilshole Bay to Sand Point, Washington.

This project encompasses Sand Point, Washington on Lake Washington longitude 122°14'00" west including Lake Washington Ship Canal to Shilshole Bay longitude 122°27'00".

Photographic coverage was provided in August using the "B" camera (focal length 152.74 mm) with black and white panchromatic film at 1:30,000 scale for bridging and 1:20,000 for compilation.

Field work done prior to compilation was accomplished in two parts: first the premarking of horizontal control in August 1977, second the photoidentification of horizontal control in October 1977. They were done to meet requirements for aerotriangulation.

Analytic aerotriangulation was performed at the Washington Science Center in December, 1977.

Compilation was performed and hydrographic support photographs were prepared at the Atlantic Marine Center in April 1978.

Field edit was accomplished from May through August 1978.

The entire project was sent to the Pacific Marine Center in May 1978 with field edit being applied in December 1978.

Final Review was performed at the Atlantic Marine Center in April, 1985.

This Descriptive Report contains all pertinent data used to compile this final map.

The original base map and all pertinent data were forwarded to the Washington Science Center in May 1985.
FIELD INSPECTION
TP-00696

There was no field inspection prior to compilation. Field work accomplished was limited to the recovery and identification of the horizontal control necessary for the aerotriangulation of the project.
PHOTOGRAMMETRIC PLOT REPORT
SHILSHOLE BAY TO SAND POINT
WASHINGTON
CM-7711

NOVEMBER 2, 1977

AREA COVERED

The area covered by this report is the eastern Puget Sound shoreline surrounding Shilshole Bay.

One 1:10,000 scale manuscript is submitted: TP-00696.

METHOD

One strip of 1:30,000 black-and-white panchromatic photography (77-B-7916-7921) was bridged by analytic aerotriangulation methods. Field identified control was provided.

Common points were located on the bridging photography and the 1:20,000 scale compilation photography for ratio purposes. Additional common points were located on the same photography to allow for 8-8 stereo compilation.

Ratio prints have been ordered. The manuscript was ruled on the Coradomat.

ADEQUACY OF CONTROL

All control checked well within map accuracy standards.

SUPPLEMENTAL DATA

USGS quadrangles were used to provide vertical control for the strip adjustment.

PHOTOGRAPHY

The coverage, overlap and quality of the photography proved adequate for the job.

Respectfully Submitted,

[Signature]

Approved and Forwarded:

[Signature]

John D. Perrow, Jr.
Chief, Aerotriangulation Section
SHILSHOLE BAY TO SAND POINT
WASHINGTON
CIR 721
77 (B)
1:30000
BRIDGING PHOTOGRAPHY

SEATTLE, FREMONT WATER DISTRICT, STAND PIPE, 1955
916100

OLYMPIC 3, RM 7
1973
918101

ENTRANCE 3
1973
919100

LAWTON 2
1958
920100

MAGUFF
1977
921100

927100
N.C.W.M.B.
1932

244100
CAPITOL HILL TANK
1902

TP-00646

TP-00647

AVIATION
1933
943100

WEBSTER POINT LIGHT
1936

447100

EDGEWATER
1952
935100

TP-00649

TP-00650

TPO649

TP-00650

7923

7925

7932

7941

7943

7950

7914

7934
<table>
<thead>
<tr>
<th>STATION NAME</th>
<th>SOURCE OF INFORMATION (Index)</th>
<th>AEROTRIANGULATION POINT NUMBER</th>
<th>COORDINATES IN FEET</th>
<th>GEODETIC DATUM</th>
<th>ORIGINATING ACTIVITY</th>
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<tbody>
<tr>
<td>OLYMPIC 3 RM7, 1973</td>
<td>Washington</td>
<td>918101</td>
<td>x=</td>
<td>N.A. 1927</td>
<td>Coastal Mapping Division, AMC</td>
</tr>
<tr>
<td></td>
<td>King County</td>
<td></td>
<td>y=</td>
<td></td>
<td></td>
</tr>
<tr>
<td>WEST POINT LIGHTHOUSE, 1921</td>
<td>Washington</td>
<td>13A</td>
<td>x=</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>King County</td>
<td></td>
<td>y=</td>
<td></td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>GEOGRAPHIC POSITION</th>
</tr>
</thead>
<tbody>
<tr>
<td>φ LATITUDE</td>
</tr>
<tr>
<td>λ LONGITUDE</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>OLYMPIC 3 RM7, 1973</th>
</tr>
</thead>
<tbody>
<tr>
<td>φ 47°41'42.730''</td>
</tr>
<tr>
<td>λ 122°22'45.417''</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>WEST POINT LIGHTHOUSE, 1921</th>
</tr>
</thead>
<tbody>
<tr>
<td>φ 47°39'43.724''</td>
</tr>
<tr>
<td>λ 122°26'04.068''</td>
</tr>
</tbody>
</table>

COMPUTED BY ________________________________ DATE ____________ COMPUTATION CHECKED BY ________________________________ DATE ____________
LISTED BY R. R. Kravitz DATE 22 Jan 78 LISTING CHECKED BY E. Mauldin DATE ____________
HAND PLOTTING BY ________________________________ DATE ____________ HAND PLOTTING CHECKED BY ________________________________ DATE ____________

SUPERSEDES NOAA FORM 76-41, 2-71 EDITION WHICH IS OBSOLETE.
31 - Delineation

Delineation was by stereo instrument methods using the Wild B-8 stereoplotter with 1:20,000 and 1:30,000 scale panchromatic photographs. Coverage and quality of the photographs were adequate for compilation.

32 - Control

The placement, identification, and accuracy of the aerotriangulated control, that was furnished for the express purpose of controlling the stereo-models, was adequate. Refer to the Photogrammetric Plot Report dated December 1977.

33 - Supplemental Data

None.

34 - Contours and Drainage

Contours are not applicable to the project. Drainage was delineated by the Wild B-8 stereoplotter.

35 - Shoreline and Alongshore Details

Refer to Form 76-36B, item 2 for delineation of the mean high water line.

Alongshore details were delineated using the Wild B-8 stereoplotter, and supplemented by office stereoscopic interpretation of the ratio photographs which were controlled with pass points that were selected and dropped during the stereo-instrument compilation of the shoreline and interior detail.

36 - Offshore Details

None.

37 - Landmarks and Aids

There was one charted landmark and one charted nonfloating aid to navigation within the mapping limits of this manuscript. Both were located photogrammetrically.

38 - Control for Future Surveys

None.
39 - JUNCTIONS

Refer to the Compilation Sources, Form 76-36B, item 5.

40 - HORIZONTAL AND VERTICAL ACCURACY

Refer to the Photogrammetric Plot Report dated December 1977.

46 - COMPARISON WITH EXISTING MAPS


47 - COMPARISON WITH NAUTICAL CHARTS


ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None.

ITEMS TO BE CARRIED FORWARD

None.

Submitted by,

Robert R. Kravitz
Cartographic Technician

Approved,

Albert C. Rauck, Jr.
Chief, Coastal Mapping Section
GEOGRAPHIC NAMES

FINAL NAME SHEET:

CM-7711 (Puget Sound, Washington)

TP-00696

Blue Ridge (locality) Puget Sound
Burlington Northern (RR) Seattle
Loyal Heights Shilshole Bay
Meadow Point West Point
Pipers Creek

Approved by:

[Signature]
Charles E. Harrington
Chief Geographer
Nautical Charting Division
FIELD EDIT REPORT

SHILSHOLE BAY TO SAND POINT, WASHINGTON

MAY - AUGUST 1978

Map Manuscripts TP-00647, TP-00648, TP-00649, TP-00696

Project CM-7711
FIELD EDIT REPORT
SHILSHOLE BAY TO SAND POINT, WASHINGTON
MAY - AUGUST 1978
Map Manuscripts TP-00647, TP-00648, TP-00649, TP-00696
Project CM-7711

The field edit was originally assigned to the Ship DAVIDSON, but due to scheduling they were unable to finish. PMC Photo Party was then assigned the completion of the job.

The entire shoreline was inspected by using a small boat. Both a copy of the field edit sheet print and the photographs were used. If a discrepancy was noted, it would be compared with the photograph to see if it could be resolved that way. Several piles and dolphins were located this way.

All inquiries on the Master Field Edit Ozalids were answered. One statement asks for a recovery note on all of the control stations on each manuscript. This was altered as PMC has gone to the TENCOL (Terminal Entry Command Language) system and the recovery note (Form 76-165) is no longer used. At the time of this report the recovery notes and/or descriptions have not been sent to Rockville over the terminal, however, to aid the compiler, all those stations which have been recovered will have a statement to that effect on the Master Field Edit Ozalid. There were some recovery notes written in 1977. A copy of those will be sent with this report.

A copy of the field positions for new control completed in 1977 and 1978 will be sent with this report. Some control work was done in Lake Union by PMC personnel in 1975. This will also be sent with this report.

Adequacy of Compilation:

The extent and accuracy of the maps appear to be reasonably complete. Considering the congestion in the area, the compiler did a good job.

Some new piers, piles and dolphins were found that were constructed after the photography was taken. Plot plans were obtained for most of the new piers. Corresponding features were marked on the plans and photographs to aid the compiler in orienting the plans with the shoreline. Other piers and dolphins were located with fixes and/or sketches. This information will be found in the sketchbook that will be submitted with the field edit data.

All fixed aids to navigation were located and/or verified. See the appropriate form 76-40.

All landmarks were checked in the field for their authenticity. See the appropriate form 76-40.
Purple ink was used to indicate corrections on the Master Field Edit Ozalid. Green ink was used to indicate deletions. Red ink was used on the photographs.

There was a considerable lack of signs along the shoreline to indicate cable crossings and/or pipeline crossings. The Telephone Company, Seattle City Light, Seattle Sewer Department and the Seattle Water Department were all contacted to locate their crossings. These are indicated on the Master Field Edit Ozalid.

Information pertinent to each manuscript will be discussed under each listed manuscript number.

TP-00649

Two new piers and seven dolphins have been constructed since the photography was taken. A plot plan for the pier at St. Vincent de Paul was obtained. A building that is on both the plot plan and the photograph was indicated for aid in compiling this feature. The seven dolphins were located by setting a theodolite over a compiled photo point (the corner of a pier) and angles turned to two controlled intersection stations to the dolphins. Distance was obtained by stadia. This information is in the sketchbook.

The other pier was located by a three point fix at the south end of the pier. The information needed is in the sketchbook under Item 1.

TP-00648

Four new piers were built since the photographs were taken. Plot plans were obtained for Items 8 and 9.

Items 3 and 7 were sketched. See the sketchbook.

Several dolphins and piles were obscured by shadows at the northeast end of the George Washington Memorial Bridge. The position for these dolphins and piles was computed by the field editor. See attached computations sketchbook under Item 2.

TP-00647

On the Master Film Edit Ozalid the longitude line on the upper right hand corner is labeled as 122° 30' 00". It should read 122° 22' 30".

There are two small new piers in the Fisherman's Terminal area that have been built since the photographs were taken. See under Item 4 in the sketchbook.
TP-00696

There are several piles in ruins not on the manuscript or on the photograph. These were positioned with a theodolite three-point fix with angles and stadia distances to the piles. The records are on three sketchbook sheets. The three-point fix was computed by the field editor.

On the north shore at West Point there are several rocks that were not charted. These were located by setting a theodolite over a control station (SHAY, 1977) and taking angles and stadia distances to the rocks. The records are on a sketchbook page.

Respectfully submitted,

[Signature]

Lyle L. Riggers
Surveying Technician

Approved;

[Signature]

Robert B. Melby
PNC Photo Party CPM 133
61 - GENERAL STATEMENT

See Summary included with this report.

62 - COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS

Not applicable.

63 - COMPARISON WITH MAPS OF OTHER AGENCIES

A comparison was made with U.S.G.S. quadrangles: Seattle North, Washington and Shilshole Bay, Washington; both are dated 1949, photorevised 1968 and 1:24,000 scale.

64 - COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS

A comparison was made with a registered copy of hydrographic survey H-9744, scale 1:10,000 dated March through November 1978 and February through April 1980.

65 - COMPARISON WITH NAUTICAL CHARTS

A comparison was made with the following NOS Charts: 18447, 21st edition, dated April 1984, scale 1:10,000 and 1:25,000 18446, 12th edition, dated January 14, 1984, scale 1:25,000.

66 - ADEQUACY OF RESULTS AND FUTURE SURVEYS

This map complies with Project Instructions and meets the requirements for National Standards of Map Accuracy.

Submitted by

Lowell O. Neterer, Jr.
Final Reviewer
March 14, 1985
Approved for forwarding

Billy H. Barnes
Chief, Photogrammetric Section, AMC

Approved

Chief, Photogrammetric Section, Rockville

Ronald K. Brewer
Chief, Photogrammetry Branch, Rockville
<table>
<thead>
<tr>
<th>CHARTING NAME</th>
<th>DESCRIPTION</th>
<th>LATITUDE</th>
<th>LONGITUDE</th>
</tr>
</thead>
<tbody>
<tr>
<td>OVERPASS</td>
<td>Not of landmark value</td>
<td>47 42.8</td>
<td>122 22.7</td>
</tr>
</tbody>
</table>

METHOD AND DATE OF LOCATION

OFFICE: V-Vis.
FIELD: 08/15/78 1446
**FIELD POSITIONS are determined by Field Operator.**

- **EXAMPLE:** F-7-6-L

  A. Field Positions require entry of method of location and date of field work.

  8. Intersection
  7. Planimetric
  6. Traverse
  5. Field Identified
  4. Resection
  3. Intersection
  2. Traverse
  1. Vertical
  VI - Visual
  V - Located
  F - Field
  P - Photogrammetric

  Enter the applicable data by symbols as follows:

  1. NEW POSITION DETERMINED OR VERIFIED
  2. TRAVERSAL STATION ACCORDING
  3. POSITION VERIFIED VISUALLY ON PHOTOGRAPH

  **EXAMPLE:** 74L(C) 2:50

  8-12-75

  B. Photogrammetric Field Positions require

  **EXAMPLE:** 75E(C) 6042

  8-12-75

  Identifying and locating the object, day, and year of the photograph used to enter the number and date (including month).
**Nonfloating Aids or Landmarks for Charts**

**ORGANIZATION**
- U.S. Department of Commerce
- National Oceanic and Atmospheric Administration
- Office of Charting and Photographic Services

**Reporting Unit**
- Photogrammetric Branch
- PM, Seattle, WA

**Locality**
- Shilshole Bay to Sand Point

**Date Charted:**
- 12/7/78

**Object Inspection:**
- The following objects **HAVE NOT** been inspected from seaward to determine their value as landmarks.

<table>
<thead>
<tr>
<th>Charting Name</th>
<th>Description</th>
<th>Datum</th>
<th>Latitude</th>
<th>Longitude</th>
<th>Office</th>
<th>Field</th>
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<tbody>
<tr>
<td>LIGHT</td>
<td>Park Department Boat Ramp Light</td>
<td>N.A. 1927</td>
<td>14.41</td>
<td>11.56</td>
<td>P-5-L</td>
<td>08/15/78 18446</td>
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<tr>
<td></td>
<td>Priv. Maint.</td>
<td></td>
<td>47 41 122 24</td>
<td></td>
<td>77B(P) 7908</td>
<td>18447</td>
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<tr>
<td>LIGHT</td>
<td>Shilshole Boat Basin Light</td>
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<td>16.25 13.18</td>
<td></td>
<td>77B(P) 7908</td>
<td>V-VIX 18446</td>
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<td>47 41 122 24</td>
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<td>Aug 1977</td>
<td>06/15/78 18447</td>
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<td>LIGHT</td>
<td>(West Point Lighthouse, 1921)</td>
<td></td>
<td>43.724 04.068</td>
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<td>77B(P) 7910</td>
<td>Triang. Rec. 18446</td>
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<td>West Point Light</td>
<td></td>
<td>47 39 122 26</td>
<td></td>
<td>Aug 1977</td>
<td>10/02/78 18447</td>
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</tbody>
</table>
By photogrammetric methods.

FIELD POSITION DETERMINED BY FIELD OBSERVATION

Example: 7-5-25

8-12-75

Example: Y-V-15, and date.

1. Position verified visually on photograph

2. triangulation station is recovered, enter triangulation

3. file is located and date of field work

4. resurvey

5. file is located

6. traverse

7. plane table

8. sextant

1. new position determined or verified

2. observed date

3. observed quantity control and review group

4. observed quantity control and review group

5. observed quantity control and review group

6. observed quantity control and review group

7. observed quantity control and review group

8. observed quantity control and review group

Instructions for Entries under Method and Date of Location

Activities

Form completed by quantity control

Field observed

Name

Type of Action

Responsible Personnel

Activities

Form completed by quantity control

Field observed

Name

Type of Action

Responsible Personnel
**INSTRUCTIONS**

A basic hydrographic or topographic survey supersedes all information of like nature on the uncorrected chart.

1. Letter all information.
2. In "Remarks" column cross out words that do not apply.
3. Give reasons for deviations, if any, from recommendations made under "Comparison with Charts" in the Report.

<table>
<thead>
<tr>
<th>CHART</th>
<th>DATE</th>
<th>CARTOGRAPHER</th>
<th>REMARKS</th>
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<tr>
<td>18474</td>
<td>10/23/86</td>
<td>R.S. House</td>
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