## DESCRIPTIVE REPORT

<table>
<thead>
<tr>
<th>Shoreline</th>
<th>Type of Survey</th>
<th>Job No.</th>
<th>Map No.</th>
<th>Classification No.</th>
<th>Edition No.</th>
<th>Final Field Edited Map</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>PH-7110</td>
<td>TP-00372</td>
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</tbody>
</table>

### LOCALITY

<table>
<thead>
<tr>
<th>State</th>
<th>Hood Canal</th>
<th>Locality</th>
</tr>
</thead>
<tbody>
<tr>
<td>Washington</td>
<td></td>
<td>Tahuya River</td>
</tr>
</tbody>
</table>

### Dates

1971 TO 1973

### REGISTRY IN ARCHIVES

DATE

* U.S. GOVERNMENT PRINTING OFFICE: 1974-762-901
NOAA FORM 76-38A  U.S. DEPARTMENT OF COMMERCE
 NATIONAL OCEANIC AND ATMOSPHERIC ADMIN.

DESCRIPTIVE REPORT - DATA RECORD

PHOTOGRAMMETRIC OFFICE
Coastal Mapping Division
Norfolk, Va.

OFFICER-IN-CHARGE
Jeffrey G. Carlen

I. INSTRUCTIONS DATED

<table>
<thead>
<tr>
<th>1. OFFICE</th>
<th>2. FIELD</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aerotriangulation</td>
<td>Field</td>
</tr>
<tr>
<td>July 15, 1971</td>
<td>April 30, 1971</td>
</tr>
</tbody>
</table>

Compilation | Dec. 13, 1971 |

II. DATUMS

1. HORIZONTAL: ☐ 1927 NORTH AMERICAN

2. VERTICAL:

☐ MEAN HIGH-WATER
☐ MEAN LOW-WATER
☐ MEAN LOWER LOW-WATER
☐ MEAN SEA LEVEL

III. HISTORY OF OFFICE OPERATIONS

<table>
<thead>
<tr>
<th>OPERATIONS</th>
<th>LANDMARKS AND AIDS</th>
<th>NAME</th>
<th>DATE</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. AEROTRIANGULATION METHOD: Analytical</td>
<td></td>
<td>D. Norman</td>
<td>Nov 1971</td>
</tr>
<tr>
<td>2. CONTROL AND BRIDGE POINTS METHOD: Coradomat</td>
<td>PLOTTED BY</td>
<td>D. Phillips</td>
<td>Dec 1971</td>
</tr>
<tr>
<td>3. STEREOSCOPIC INSTRUMENT COMPILATION</td>
<td>PLANIMETRY BY</td>
<td>L. O. Neterer</td>
<td>Jan 1972</td>
</tr>
<tr>
<td>INSTRUMENT: Wild B-8</td>
<td>CHECKED BY</td>
<td>R. R. White</td>
<td>Jan 1972</td>
</tr>
<tr>
<td>SCALE: 1:15,000</td>
<td>CONTOURS BY</td>
<td>NA</td>
<td>NA</td>
</tr>
<tr>
<td>4. MANUSCRIPT DELINEATION METHOD: Smooth drafted</td>
<td>PLANIMETRY BY</td>
<td>L. O. Neterer</td>
<td>Feb 1972</td>
</tr>
<tr>
<td>SCALE: 1:10,000</td>
<td>CHECKED BY</td>
<td>A. L. Shands</td>
<td>Feb 1972</td>
</tr>
<tr>
<td>5. OFFICE INSPECTION PRIOR TO FIELD EDIT</td>
<td>HYDRO SUPPORT DATA BY</td>
<td>L. O. Neterer</td>
<td>Feb 1972</td>
</tr>
<tr>
<td>6. APPLICATION OF FIELD EDIT DATA</td>
<td>CHECKED BY</td>
<td>A. L. Shands</td>
<td>Feb 1972</td>
</tr>
<tr>
<td>7. COMPILATION SECTION REVIEW</td>
<td></td>
<td>A. L. Shands</td>
<td>Feb 1972</td>
</tr>
<tr>
<td>8. FINAL REVIEW</td>
<td></td>
<td>J. Byrd</td>
<td>May 1974</td>
</tr>
<tr>
<td>9. DATA forwarded TO PHOTOGRAMMETRIC BRANCH</td>
<td></td>
<td>J. Byrd</td>
<td>Jul 1977</td>
</tr>
<tr>
<td>10. DATA EXAMINED IN PHOTOGRAMMETRIC BRANCH</td>
<td></td>
<td>C. Blood</td>
<td>Aug 1988</td>
</tr>
<tr>
<td>11. MAP REGISTERED - COASTAL SURVEY SECTION</td>
<td></td>
<td>G. Thompson</td>
<td>Jan 1979</td>
</tr>
</tbody>
</table>
1. COMPILATION PHOTOGRAPHY

CAMERA(S)
Wild RC-8 "P" FL = 152.71mm

TYPEs OF PHOTOGRAPHy
LEGEND
(C) COLOR X
(P) PANCHROMATIC
(I) INFRARED

TIME REFERENCE
ZONE
Pacific
MERIDIAN
120th
STANDARD
DAYLIGHT

TIDE STAGE REFERENCE
☑ PREDICTED TIDES
☑ REFERENCE STATION RECORDS
☐ TIDE CONTROLLED PHOTOGRAPHY

<table>
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<tr>
<th>NUMBER AND TYPE</th>
<th>DATE</th>
<th>TIME</th>
<th>SCALE</th>
<th>STAGE OF TIDE</th>
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<tbody>
<tr>
<td>*71 E(C) 4023-4026</td>
<td>5/2/71</td>
<td>10:19</td>
<td>1:30,000</td>
<td>7.9 ft. above MLLW</td>
</tr>
<tr>
<td>71 E(C) 4159-4163</td>
<td>5/2/71</td>
<td>11:57</td>
<td>1:20,000</td>
<td>6.5 ft. above MLLW</td>
</tr>
<tr>
<td>71 E(C) 4172-4175</td>
<td>5/2/71</td>
<td>12:06</td>
<td>1:20,000</td>
<td>6.3 ft. above MLLW</td>
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</table>

REMARKS
*Compilation photographs

2. SOURCE OF MEAN HIGH-WATER LINE:
The mean high-water line was delineated from the listed compilation photographs.

3. SOURCE OF MEAN LOWER LOW-WATER LINE:
No compilation.

4. CONTEMPORARY HYDROGRAPHIC SURVEYS (List only those surveys that are sources for photogrammetric survey information.)

<table>
<thead>
<tr>
<th>SURVEY NUMBER</th>
<th>DATE(S)</th>
<th>SURVEY COPY USED</th>
<th>SURVEY NUMBER</th>
<th>DATE(S)</th>
<th>SURVEY COPY USED</th>
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5. FINAL JUNCTIONS

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<tr>
<th>NORTH</th>
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<th>SOUTH</th>
<th>WEST</th>
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<tr>
<td>TP-00369</td>
<td></td>
<td>No Survey</td>
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</tr>
<tr>
<td>TP-00373</td>
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<td>TP-00371</td>
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</table>
### HISTORY OF FIELD OPERATIONS

#### I. FIELD INSPECTION OPERATION

<table>
<thead>
<tr>
<th>OPERATION</th>
<th>NAME</th>
<th>DATE</th>
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<tbody>
<tr>
<td>1. CHIEF OF FIELD PARTY</td>
<td>R. B. Melby</td>
<td>Apr 1971</td>
</tr>
<tr>
<td>2. HORIZONTAL CONTROL</td>
<td>R. B. Melby</td>
<td>Apr 1971</td>
</tr>
<tr>
<td>3. VERTICAL CONTROL</td>
<td>L. L. Riggers</td>
<td>Apr 1971</td>
</tr>
<tr>
<td>4. LANDMARKS AND AIDS TO NAVIGATION</td>
<td></td>
<td></td>
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</tbody>
</table>

- **RECOVERED BY**
  - Established by
  - Pre-marked or identified by

- **RECOVERED (Triangulation Stations) by**
- **LOCATED (Field Methods) by**
- **IDENTIFIED BY**

- **TYPE OF INVESTIGATION**
  - Complete
  - Specific names only
  - No investigation

#### II. SOURCE DATA

<table>
<thead>
<tr>
<th>PHOTO NUMBER</th>
<th>STATION NAME</th>
<th>PHOTO NUMBER</th>
<th>STATION DESIGNATION</th>
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<tr>
<td>71E(C)4025</td>
<td>SMOKE, 1934</td>
<td>4022</td>
<td>GREEN POINT 2, 1934</td>
</tr>
</tbody>
</table>

- **PHOTO NUMBERS** (Clarification of details)
- **LANDMARKS AND AIDS TO NAVIGATION**
- **Supplemental Maps and Plans**
- **OTHER FIELD RECORDS** (Sketch books, etc.)

2 forms 152
**HISTORY OF FIELD OPERATIONS**

1. **FIELD INSPECTION OPERATION**
   - OPERATION: CHIEF OF FIELD PARTY
     - RECOVERED BY: G. Poor
     - ESTABLISHED BY: None
     - PRE-MARKED OR IDENTIFIED BY: None
     - DATE: Mar 1973

2. **HORIZONTAL CONTROL**
   - RECOVERED BY: None
   - ESTABLISHED BY: None
   - PRE-MARKED OR IDENTIFIED BY: None

3. **VERTICAL CONTROL**
   - RECOVERED BY: NA
   - ESTABLISHED BY: NA
   - PRE-MARKED OR IDENTIFIED BY: NA

4. **LANDMARKS AND AIDS TO NAVIGATION**
   - RECOVERED (Triangulation Stations) BY: None
   - LOCATED (Field Methods) IDENTIFIED BY: None

5. **GEOGRAPHIC NAMES INVESTIGATION**
   - TYPE OF INVESTIGATION: Complete
   - CLARIFICATION OF DETAILS BY: S. Birkey
   - DATE: Mar 1973

6. **PHOTO INSPECTION**
   - SURVEYED OR IDENTIFIED BY: NA

7. **BOUNDARIES AND LIMITS**
   - SURVEYED OR IDENTIFIED BY: NA

**SOURCE DATA**

1. **HORIZONTAL CONTROL IDENTIFIED**
   - PHOTO NUMBER: None
   - STATION NAME: None

2. **VERTICAL CONTROL IDENTIFIED**
   - PHOTO NUMBER: None
   - STATION DESIGNATION: NA

3. **PHOTO NUMBERS**
   - 71E(C) 4159, 4162, 4163, 4174, 4176

4. **LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED**
   - PHOTO NUMBER: None
   - OBJECT NAME: None

5. **GEOGRAPHIC NAMES**
   - REPORT: None
   - BOUNDARY AND LIMITS: None

6. **SUPPLEMENTAL MAPS AND PLANS**
   - None

7. **OTHER FIELD RECORDS**
   - Field Editing Overlay, Field edit report

---

*U.S. Government Printing Office: 1975 - 685-661/1116, Region No. 6*
### RECORD OF SURVEY USE

#### I. MANUSCRIPT COPIES

<table>
<thead>
<tr>
<th>DATA COMPILED</th>
<th>DATE</th>
<th>REMARKS</th>
<th>MARINE CHARTS</th>
<th>HYDRO SUPPORT</th>
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<tr>
<td>Compilation complete</td>
<td>Feb 1972</td>
<td>Class III Map</td>
<td>2/25/72</td>
<td>2/23/72</td>
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<td>pending field edit</td>
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<td>Field Edit Applied</td>
<td>May 1972</td>
<td>Class I Map</td>
<td></td>
<td>8/24/83</td>
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<tr>
<td>Final Review</td>
<td>Aug 1988</td>
<td>Final</td>
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<td></td>
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</tbody>
</table>

#### II. LANDMARKS AND AIDS TO NAVIGATION

None

#### III. FEDERAL RECORDS CENTER DATA

2. Control Station Identification Cards: □ Form NOS-467 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

This section shall be completed each time a new map edition is registered.

<table>
<thead>
<tr>
<th>SECOND EDITION</th>
<th>SURVEY NUMBER</th>
<th>JOB NUMBER</th>
<th>TYPE OF SURVEY</th>
<th>MAP CLASS</th>
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<tr>
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<td>THIRD EDITION</td>
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<td>Final</td>
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<td>FOURTH EDITION</td>
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<td>JOB NUMBER</td>
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SUMMARY TO ACCOMPANY DESCRIPTIVE REPORT

TP-00372

This 1:10,000 scale Final shoreline map is one of eleven 1:10,000 scale maps designated as project PH-7110, Hood Canal, Washington.

The purpose of this map was to provide contemporary shoreline in support of hydrographic operations and to aid in chart revision.

Field work prior to compilation in April 1971, consisted of recovery and premarking of horizontal control for aerotriangulation.

This map area was photographed in May 1971 with the RC-8 "E" camera at 1:20,000 and 1:30,000 scale using natural color film.

Aerotriangulation was completed at the Washington office in November 1971.

This map was compiled at the Norfolk office in February 1972.

Field edit was acquired for TP-00372 during the 1973 field season. Field edit was applied at AMC in July 1977.

Final review was accomplished at the Atlantic Marine Center in August 1988. A Chart Maintenance Print was prepared and forwarded to the Marine Charts Branch.

This Descriptive Report contains all pertinent information used to compile this Final Map. The original base manuscript and all related data were forwarded to the Washington Science Center for final registration.
FIELD INSPECTION
TP-00372

Field inspection was limited to the recovery and identification of horizontal control for aerotriangulation.
PHOTOGRAMMETRIC PLOT REPORT
Hood Canal, Washington
Job PH-7110
November 1971

21. Area Covered
This report pertains to Hood Canal in the state of Washington. The sheets covered are TP-00361 and TP-00365 thru TP-00374.

22. Method
Two strips (71-E-4018 thru 4028 and 71-E-4029 thru 4044) of 1:30,000 scale color and one strip (71-E-4197 thru 4204) of 1:20,000 scale color photography were bridged by analytic aerotriangulation methods. Positions were determined for points for computing ratios. The data for ruling projections, grids and plotting points for compilation were furnished to the Coradomat to be plotted on the Washington, South Zone, State Plane Coordinate System.

23. Adequacy of Control
The control was adequate.

24. Supplemental Data
USGS topographic quadrangles were used to obtain vertical control for the strips.

25. Photography
The photography was adequate.

Submitted by:

Don O. Norman

Approved and Forwarded:

Henry F. Eichert, Chief
Aerotriangulation Section
FIT TO CONTROL

▲ held in adjustment
■ tie point held in adjustment
□ tie point used as check
(x, y) in feet

STRIP 1

▲ 1 LYNCH 1934, subpoint (-0.0, +0.1)
▲ 2 GREEN POINT 2 1934, subpoint (+0.1, -0.2)
▲ 3 SMOKE 1934, subpoint (-0.0, +0.2)
▲ 4 INDIAN 1934 (-0.0, -0.1)
□ 30801 (-1.5, +1.0)
□ 30802 (-2.6, -0.6)

STRIP 2

▲ 4 INDIAN 1934 (+0.5, -0.2)
▲ 5 MILLER 2, 1934, subpoint (-0.9, +0.5)
▲ 6 AYOCKS POINT 4, 1959, subpoint (+0.1, +0.0)
▲ 7 TEKIU 3, 1971, subpoint (+0.7, -0.8)
▲ 8 QUATSAP 2, 1934, subpoint (-0.4, +0.4)

STRIP 3

▲ 7 TEKIU 3, 1971, subpoint (0.0, 0.0)
□ 42804 (0.0, 0.0)
▲ 9 BOULDER 1878, subpoint (0.0, 0.0)
□ 41801 (+0.6, +0.6)
□ 42802 (+3.0, -1.0)
□ 42803 (+1.6, +1.5)
<table>
<thead>
<tr>
<th>MAP NO.</th>
<th>JOB NO.</th>
<th>GEOETIC DATUM</th>
<th>ORIGINATING ACTIVITY</th>
<th>REMARKS</th>
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<tbody>
<tr>
<td>TP-00372</td>
<td>PH-7110</td>
<td>NA 1927</td>
<td>Coastal Mapping Division, Norfolk, VA</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>STATION NAME</th>
<th>SOURCE OF INFORMATION</th>
<th>AEROTRIANGULATION POINT NUMBER</th>
<th>COORDINATES IN FEET</th>
<th>GEOGRAPHIC POSITION</th>
<th>LATITUDE</th>
<th>LONGITUDE</th>
</tr>
</thead>
<tbody>
<tr>
<td>SMOKE, 1934</td>
<td>VOL. I Pg. 1681</td>
<td>24100</td>
<td>x=</td>
<td>φ 47° 21' 51.511&quot;</td>
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<td></td>
<td></td>
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<td>y=</td>
<td>λ 123° 02' 58.0871&quot;</td>
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<tr>
<td>GREEN POINT 2, 1934</td>
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<td>φ 47° 22' 21.179&quot;</td>
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<td>y=</td>
<td>λ 123° 00' 57.503&quot;</td>
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<td></td>
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</table>

COMPUTED BY A. C. Rauck, Jr.  DATE 12/8/71
LISTED BY               DATE
HAND PLOTTING BY        DATE

SUPERSEDES NOAA FORM 76-41, 2-71 EDITION WHICH IS OBSOLETE.
COMPILATION REPORT
TP-00372

31. **DELINEATION:**

Delineation was by the Wild B-8 stereoplotter, using 1:30,000 scale, color photographs. The stage of tide was above mean lower low-water at the time of photography, therefore, detail which covers by tidal water is only partially compiled.

The quality of the photography is adequate for shoreline compilation.

32. **CONTROL:**

Refer to the Photogrammetric Plot Report, dated November 1971.

33. **SUPPLEMENTAL DATA:**

None.

34. **CONTOURS AND DRAINAGE:**

Contours are inapplicable. Drainage was delineated from the compiler's interpretation of the photographs.

35. **SHORELINE AND ALONGSHORE DETAILS:**

The mean high-water line and alongshore details were delineated from the compiler's interpretation of the photographs.

36. **OFFSHORE DETAILS:**

Offshore details was delineated from the compiler's interpretation of the photographs. Details which were covered by water at the time of photography, were not compiled.

37. **LANDMARKS AND AIDS:**

There were no charted nonfloating aids or landmarks and none were noted during stereoscopic instrument compilation.

38. **CONTROL FOR FUTURE SURVEY:**

None.
39. **JUNCTIONS:**

A satisfactory junction was made with all adjoining contemporary maps. Refer to the Data Record Form 76-36B, item 5.

40. **HORIZONTAL AND VERTICAL ACCURACY:**

No Statement.

46. **COMPARISON WITH EXISTING MAPS:**


47. **COMPARISON WITH NAUTICAL CHARTS:**

A comparison has been made with U.S. Coast and Geodetic Survey Chart 6460, scale 1:80,000, 11th edition, dated July 25, 1970.

**ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY:**

None.

**ITEMS TO BE CARRIED FORWARD:**

None.

Submitted by:

L. O. Neterer, Jr.
Cartographic Technician
February 9, 1972

Approved and forwarded:

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

FINAL NAME SHEET

PH-7110 (Hood Canal, Washington)

TP-00372

Hood Canal
Sisters Point
Tahuya
Tahuya River
The Narrows

Approved:

Charles E. Harrington
Chief Geographer
Nautical Charting Division
Field Edit Report

Hood Canal, Washington

March 1973

Map Manuscripts TP-00370, TP-00372, TP-00373, and TP-00374

Project OPR-412-MA-73
Field Edit Report
Hood Canal, Washington

Manuscripts TP-00370, TP-00372, TP-00373, and TP-00374

This report covers the southernmost area of Hood Canal, bound by longitude 123°-05' on the west, and bound by land to the north, east, and south.

The entire shoreline was inspected in accordance with project instructions OPN-412-MA-73 dated 23 February 1973, and covered the southern portion of hydrographic survey H-9345, and all of the area of hydrographic survey H-9372. It junctions with field edit completed to the west in 1972.

Generally, the shoreline has numerous summer homes, cabins, and permanent residences; numerous piers, floats, swim floats, and mooring buoys exist. A skiff was used to conduct the field edit. Three-point fixes, utilizing hydrographic signals, were taken to position shoreline features.

Since only the discrepancy prints of the manuscripts were available at the time of shoreline inspection, all rough field notes were made on the discrepancy prints. All notes pertinent to field edit were later transferred to a paper ozalid, and indexed to field photos 71-F(C)-4152, 4154, 4155, 4157, 4159, 4162, 4174, 4176, 4178, 4180, and 4182 in violet ink. A commentary on the editing of individual manuscripts follows:

TP-00372

The shoreline has numerous private floats, and piers; many are anchored without piling, and are subject to minor location change. There are no houses or landmarks of charting value. The mean high water line is as shown, with numerous bulkheads along shore.

TP-00373

The shoreline has numerous private floats and piers; many are anchored without piling and are subject to minor location change. The mean high water line is as shown, with numerous bulkheads along shore. Special attention is drawn to the cable crossing 1000' wide, as described on the TP sheet, which runs northwest from Shady Beach. Twanoh State Park has a public pier and float, and boat ramp located at 47°-22.7'N, 122°-58.2'W. Also, there is a prominent bluff located at 47°-23.9' 122°-57.9' which is of landmark value.
The shoreline has numerous private floats and piers; many are anchored without piling and are subject to minor location change. The MHWL has been revised slightly at 47°-24.9'N, 122°54.2'W and at 47°-24.5'N, 122°-53.0'; otherwise the mean high water line is as shown, with numerous bulkheads along shore. There are no houses or landmarks of charting value.

The shoreline is primarily tide flats which are impossible to inspect except at extremely high tide. After three attempts, sextant fixes were obtained at points "A" and "B" in the upper reaches of Lynch Cove, with heights above tide level noted to assist in stereoscopic viewing of the MHWL. Highway 300 ends at the west end of Belfair State Park as shown. The Port of Allyn Public Dock is as detailed on the TP sheet. Its two privately maintained white lights exist as presently described. Also there is a public boat ramp approximately 0.2 n.m. to the south of the dock. The lone silver colored silo (signal #036) as described in the general notes, does not show prominently to the area of more navigable waters, and therefore is not considered to be of landmark value. There are no other houses or landmarks in the area.

The heights and loadline soundings were recorded with proper notation as to time and date. All times were recorded as PST (120°W). A list of hydrographic signals with G.P.'s is attached to this report. There are no fixed aids to navigation, other than the two privately maintained white lights as previously described. All features of landmark value were investigated, and all questions on the discrepancy sheets were resolved.

Submitted by: 

Melvin N. Maki 
LT, NOAA

Approved and forwarded: 

George M. Poor 
CDR, NOAA 
Commanding
61. **GENERAL STATEMENT:**

   See the summary included with this Descriptive Report.

62. **COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS:**

   Not applicable.

63. **COMPARISON WITH MAPS OF OTHER AGENCIES:**

   Not applicable.

64. **COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS:**

   A comparison was made with the following Hydrographic Surveys:
   
   H-9345, 1:10,000 scale, dated 1972-2973.
   H-9372, 1:10,000 scale, dated 1973.
   
   There were no conflicts.

65. **COMPARISON WITH NAUTICAL CHARTS:**

   A comparison was made with NOS chart 18476, 1:10,000 scale, dated
   September 15, 1984. Revisions are indicated on the chart maintenance
   print.

66. **ADEQUACY OF RESULTS AND FUTURE SURVEYS:**

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

Submitted by:

[Signature]

James L. Byrd, Jr.
Final Reviewer

Approved for forwarding:

[Signature]

Billy H. Barnes
Chief, Quality Assurance Group, AMC

Approved:

[Signature]

Chief, Photogrammetric Productions Sec.  Chief, Photogrammetry Branch
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 Review.

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<tr>
<th>CHART</th>
<th>DATE</th>
<th>CARTOGRAPHER</th>
<th>REMARKS</th>
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FILE WITH DESCRIPTIVE REPORT OF SURVEY NO.