**DESCRIPTIVE REPORT**

**Type of Survey** SHORELINE (PHOTOGRAMMETRIC)

**Field No.** Ph-6101  **Office No.** T-12072

**LOCALITY**

**State**  Washington

**General locality**  Puget Sound

**Locality**  Apple Cove; Point

1960-1961

**CHIEF OF PARTY**

Fred Natella

**LIBRARY & ARCHIVES**

**DATE**  May 1964
DESCRIPTIVE REPORT - DATA RECORD

T - 12072

PROJECT NO. (III):
Ph-6101

FIELD OFFICE (III):
Port Townsend, Washington

CHIEF OF PARTY
Fred Natella

UNIT CHIEF
L. F. Van Scoy

PHOTOGRAMMETRIC OFFICE (III):
Portland, Oregon

OFFICER-IN-CHARGE
Fred Natella

INSTRUCTIONS DATED (III) (IV) I:
14 March 1961
8 May 1961
17 May 1961
14 December 1962

METHOD OF COMPILATION (III):
Kelsh Instrument

MUNSRIPT SCALE (III):
1:10,000

STEREOSCOPIC PLOTTING INSTRUMENT SCALE (III):
1:6000

PANTOGRAPH SCALE:
1:10,000

DATE RECEIVED IN WASHINGTON OFFICE (IV):

DATE REPORTED TO NAUTICAL CHART BRANCH (IV):

APPLIED TO CHART NO.

DATE:

DATE REGISTERED (IV):

GEOMETRIC DATUM (III):
N.A. 1927

VERTICAL DATUM (III):
Mean sea level except as follows: X
Elevations shown as (25) refer to mean high water
Elevations shown as (5) refer to sounding datum
i.e., mean low water or mean lower low water

REFERENCE STATION (III):
APPLE, 1921

LAT.: 47° 48' 53.993"
LONG.: 122° 28' 52.902"

[X] ADJUSTED

UNADJUSTED

PLANE COORDINATES (IV):
301,620.52

X = 1,595,103.25

STATE
WASHINGTON

ZONE
North

ROMAN NUMERALS INDICATE WHETHER THE ITEM IS TO BE ENTERED BY (I) FIELD PARTY, (III) PHOTOGRAMMETRIC OFFICE,
OR (IV) WASHINGTON OFFICE.
WHEN ENTERING NAMES OF PERSONNEL ON THIS RECORD GIVE THE SURNAME AND INITIALS, NOT INITIALS ONLY.
DESCRIPTIVE REPORT - DATA RECORD

FIELD INSPECTION BY (iii):

L. F. Van Scoy - R. B. Melby

DATE:

MAY-JUNE 1961

MEAN HIGH WATER LOCATION (iii) (STATE DATE AND METHOD OF LOCATION):

Located by field inspection June 1961
and compiled by Kelsh instrument.

PROJECTION AND GRIDS RULED BY (iv):

A. R.

DATE

4-12-62

PROJECTION AND GRIDS CHECKED BY (iv):

A. R.

DATE

4-13-62

CONTROL PLOTTED BY (iii):

C. H. Bishop

DATE

5-18-62

CONTROL CHECKED BY (iii):

J. L. Harris

DATE

5-18-62

RADIAL PLOT OR STEREOSCOPIC CONTROL EXTENSION BY (iii):

R. J. Puhl

DATE

APRIL, 1962

STEREOSCOPIC INSTRUMENT COMPILATION (iii):

PLANIOMETRY

D. N. Williams

DATE

6-5-62

CONTOURS

DATE

MANUSCRIPT DELINEATED BY (iii):

DATE

SCRIIBING BY (iii):

C. C. Harris

DATE

9-5-62

STICK-UP BY:

C. C. Harris

DATE

1-15-63

PHOTOGRAMMETRIC OFFICE REVIEW BY (iii):

J. L. Harris, Rough Draft

DATE

7-10-62

J. L. Harris, Advance

DATE

2-15-63

REMARKS:

...
**DESCRIPTIVE REPORT - DATA RECORD**

**CAMERA (KIND OR SOURCE) (III):**

**C&GS Single Lens mWm**

<table>
<thead>
<tr>
<th>PHOTOGRAPHS (III)</th>
<th>NUMBER</th>
<th>DATE</th>
<th>TIME</th>
<th>SCALE</th>
<th>STAGE OF TIDE</th>
</tr>
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<tbody>
<tr>
<td>60 W 2074 and 2075</td>
<td>9-21-80</td>
<td>12:34</td>
<td>1:30,000</td>
<td></td>
<td>4.0' ABOVE M.L.L.W.</td>
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*RATIO PRINTS OF ABOVE AT 1:10,000*

**TIDE (III)**

<table>
<thead>
<tr>
<th>REFERENCE STATION:</th>
<th>Seattle, Washington</th>
<th>RATIO OF RANGES</th>
<th>MEAN RANGE</th>
<th>SPRING RANGE</th>
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<tr>
<td></td>
<td></td>
<td>7.6</td>
<td>11.3</td>
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**COORDINATE STATION: Point No Point, Washington**

**SUBORDINATE STATION:**

**WASHINGTON OFFICE REVIEW BY (IV):**

**PROOF EDIT BY (IV):**

<table>
<thead>
<tr>
<th>NUMBER OF TRIANGULATION STATIONS SEARCHED FOR (II):</th>
<th>3</th>
<th>RECOVERED:</th>
<th>IDENTIFIED:</th>
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**NUMBER OF RECOVERABLE PHOTO STATIONS ESTABLISHED (III):** 1

**NUMBER OF TEMPORARY PHOTO HYDRO STATIONS ESTABLISHED (III):** 0

**REMARKS:**


FIELD INSPECTION REPORT

MAP MANUSCRIPT T-12072

PROJECT PH-6101

REFER TO THE FIELD INSPECTION REPORT FOR T-12069 THRU T-12072 BY L. F. VAN SCOY AND INCLUDED WITH THE DESCRIPTIVE REPORT FOR T-12069.
PHOTOGRAMMETRIC PLOT REPORT

MAP MANUSCRIPT T-12072

PROJECT PN-6101

Refer to the Photoogrammetric Plot Report No. 1 by Raymond J. Puhl, April 1962 included with the Descriptive Report for T-12066.
<table>
<thead>
<tr>
<th>STATION</th>
<th>SOURCE OF INFORMATION (INDEX)</th>
<th>DATUM</th>
<th>LATITUDE OR Y-COORDINATE</th>
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<tbody>
<tr>
<td>APPLE, 1921</td>
<td>Wash. N. P-269</td>
<td>N.A.</td>
<td>301,620.52</td>
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<tr>
<td></td>
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<td></td>
<td></td>
</tr>
<tr>
<td>APPLE COVE POINT</td>
<td></td>
<td>N</td>
<td>301,604.46</td>
</tr>
<tr>
<td>LIGHT 1951</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td></td>
<td></td>
<td></td>
<td>598,103.25</td>
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<td></td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>STAFF, 1951</td>
<td></td>
<td>N</td>
<td>296,204.9</td>
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<td>SUB STA</td>
<td>Office Comp.</td>
<td>N</td>
<td>296,169.2</td>
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<td>592,346.4</td>
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COMPILATION REPORT

MAP MANUSCRIPT T-12072

PROJECT PH-6101

ITEMS 31 THRU 33:

REFER TO THE COMPILATION REPORT FOR T-12068.

34. CONTOURS AND DRAINAGE:

CONTOURS ARE NOT APPLICABLE.

NO DRAINAGE WAS FIELD INSPECTED AND NONE WAS SHOWN ON THE
U.S.G.S. QUADRANGLE OF THE AREA.

35. SHORELINE AND ALONGSHORE DETAILS:

THE MEAN HIGH WATER LINE WAS REFINED AND COMPILED BY THE
KELSH OPERATOR USING SPOT LOCATIONS FURNISHED BY THE FIELD UNIT
AS A GUIDE. THE CHARACTER OF THE FORESHORE AREA WAS INDICATED
ON THE FIELD PHOTOGRAPHS. THE EXTENT OF THIS AREA AS SHOWN ON
THE MANUSCRIPT WAS OBTAINED FROM PHOTOGRAPHY TAKEN AT 4.0 FT.
ABOVE MLLW.

THE APPROXIMATE SHALLOW LINE WAS DELINEATED FROM EXAMINATION
OF THE PHOTOGRAPHY.

36. OFFSHORE DETAILS:

NONE.

37. LANDMARKS AND AIDS:

ONE INTERSECTION TRIANGULATION STATION HAS BEEN RECOMMENDED
FOR CHARTING AS A NONFLOATING AID. FORM 567 IS SUBMITTED.
38. Control for Future Surveys:
   None.

39. Junctions:
   A satisfactory junction was made with T-12071 to the west. There are no contemporary surveys to the north, east or south.

40. Horizontal and Vertical Accuracy:

46. Comparison with Existing Maps:
   Comparison was made with the U.S.G.S. 7½ minute Edmonds West, Washington Quadrangle, scale 1:24,000, edition 1953.

47. Comparison with Nautical Charts:
   Comparison was made with the following Nautical Charts:

   Nautical Chart 6401, scale 1:150,000 at Lat. 47° 40'
   1st Ed. 8-10-46, revised 10-8-58.

   Nautical Chart 6450, scaled 1:80,000 at Lat. 47° 57'

   Nautical Chart 6445, scale 1:25,000 at Lat. 47° 44'
   1st Ed. 10-13-47, revised 3-21-60.

   Items to be Applied to Nautical Charts Immediately:
   None.

   Items to be Carried Forward:
   None.

   Approved:
   Respectfully Submitted:
   Fred Natella, CAPT, C&GS
   James L. Harris
   Portland District Officer
   Cartographer
49. **NOTES FOR THE HYDROGRAPHER:**

None.
<table>
<thead>
<tr>
<th></th>
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**Control Stations**

<table>
<thead>
<tr>
<th>5. Horizontal Control Stations of Third-Order or Higher Accuracy</th>
<th>6. Recoverable Horizontal Stations of Less Than Third-Order Accuracy (Topographic Stations)</th>
<th>7. Photo Hydro Stations</th>
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</thead>
<tbody>
<tr>
<td>X</td>
<td>None</td>
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**Bench Marks**

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<tbody>
<tr>
<td>None</td>
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**Alongshore Areas (Nautical Chart Date)**

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**Aids to Navigation**

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**Physical Features**

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**Cultural Features**

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<td>None</td>
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<td>None</td>
<td>X</td>
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**Roads**

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**Boundaries**

<table>
<thead>
<tr>
<th>31. Boundary Lines</th>
<th>32. Public Land Lines</th>
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<tbody>
<tr>
<td>None</td>
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**Miscellaneous**

<table>
<thead>
<tr>
<th>33. Geographic Names</th>
<th>34. Junctions</th>
<th>35. Legibility of the Manuscript</th>
</tr>
</thead>
<tbody>
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<td>X</td>
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**Discrepancy Overlay**

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<td>None</td>
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**Reviewer**

<table>
<thead>
<tr>
<th>40. Reviewer</th>
<th>41. Remarks (See attached sheet)</th>
</tr>
</thead>
<tbody>
<tr>
<td>James L. Harris</td>
<td>Supervisor, Review Section or Unit</td>
</tr>
<tr>
<td>Edward J. Deal</td>
<td></td>
</tr>
</tbody>
</table>

**Field Completion Additions and Corrections to the Manuscript**

42. Additions and corrections furnished by the field completion survey have been applied to the manuscript. The manuscript is now complete except as noted under item 43.

**Compiler**

<table>
<thead>
<tr>
<th>Supervisor</th>
</tr>
</thead>
</table>

**Remarks**

<table>
<thead>
<tr>
<th>43. Remarks</th>
</tr>
</thead>
</table>
48. Geographic Names List
   Apple Cove Point
   Puget Sound

Geographic Names Section
August 14, 1963
61. **General Statement**

There are six (6) shoreline maps of project PW-6101, Admiralty Inlet, Washington. These maps were prepared primarily for the location of non-floating aids and landmarks for the revision of our nautical charts and for control of proposed hydrographic surveys.

62. **Comparison with Registered Topographic Surveys**

<table>
<thead>
<tr>
<th>Map</th>
<th>Scale</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>T-1303b</td>
<td>1:10,000</td>
<td>1972</td>
</tr>
<tr>
<td>T-1303d</td>
<td>1:10,000</td>
<td>1972</td>
</tr>
<tr>
<td>T-1309</td>
<td>1:10,000</td>
<td>1927</td>
</tr>
<tr>
<td>T-1307</td>
<td>1:10,000</td>
<td>1927</td>
</tr>
<tr>
<td>T-6259</td>
<td>1:20,000</td>
<td>1934</td>
</tr>
</tbody>
</table>

Cultural and shoreline changes have been continuous. These maps supersede the above listed surveys for common area for nautical charting.

63. **Comparison with Maps of Other Agencies**

- Port Ludlow: 1:24,000, 1953
- Mucksville: 1:24,000, 1953
- Port Gamble: 1:24,000, 1953
- Edmonds (East): 1:24,000, 1953
- Edmonds (West): 1:24,000, 1953

There are cultural and shoreline changes due to the difference in survey dates.

64. **Comparison with Contemporary Hydrographic Surveys - None**

65. **Comparison with Nautical Charts**

<table>
<thead>
<tr>
<th>Chart</th>
<th>Scale</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>6001</td>
<td>1:150,000</td>
<td>Oct. 1962</td>
</tr>
<tr>
<td>6283</td>
<td>1:20,000</td>
<td>revised to Aug. 1960</td>
</tr>
<tr>
<td>6289</td>
<td>1:180,000</td>
<td>revised to June 1963</td>
</tr>
</tbody>
</table>

There are no differences of importance between the charts and the subject manuscripts.

66. **Adaptability of Results and Future Surveys**

These surveys were prepared according to project instructions and are within the required accuracy for nautical charting.
### 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.

<table>
<thead>
<tr>
<th>CHART</th>
<th>DATE</th>
<th>CARTOGRAPHER</th>
<th>REMARKS</th>
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<tbody>
<tr>
<td>6401</td>
<td>4-20-64</td>
<td>G. Johnson</td>
<td>Full Part Before After Verification Review Inspection Signed Via Drawing No.  No Corr</td>
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<td>6445</td>
<td>4-21-64</td>
<td>G. Johnson</td>
<td>Full Part Before After Verification Review Inspection Signed Via Drawing No.  No Corr</td>
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<td>6445</td>
<td>1-14-70</td>
<td>J.T. Gallagher</td>
<td>Full Part Before After Verification Review Inspection Signed Via Drawing No.13 Examined considered adequate field sending recommiendation of this chart.</td>
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<tr>
<td>18441</td>
<td>5/2/80</td>
<td>D.A. Zelles</td>
<td>Full Part Before After Verification Review Inspection Signed Via Drawing No. 49</td>
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<tr>
<td>18445</td>
<td>2/25/81</td>
<td>O. C. Layman</td>
<td>Full Part Before After Verification Review Inspection Signed Via Drawing No. 17</td>
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<tr>
<td>18440</td>
<td>3/10/81</td>
<td>O. C. Layman</td>
<td>Full Part Before After Verification Review Inspection Signed Via Drawing No. 33</td>
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