DESCRIPTIVE REPORT - DATA RECORD

T - 11585

Project No. (II): Ph-5905  Quadrangle Name (IV):

Photogrammetric Office (III): Portland, Oregon  Unit Chief: W. V. Hull
Instructions dated (II) (III): 10 Feb. 1960 II  Officer-In-Charge: Lorne G. Taylor
Supplement 1: 5 May 1960 II & III & Fred Natella
Copy filed in Division of
Photogrammetry (IV)

Method of Compilation (III): Graphic

Manuscript Scale (III): 1:10,000  Stereoscopic Plotting Instrument Scale (III):

Scale Factor (III): None

Date received in Washington Office (IV): Date reported to Nautical Chart Branch (IV):

Applied to Chart No. Date: Date registered (IV):

Publication Scale (IV):

Geographic Datum (III): N.A. 1927  Publication date (IV):

Vertical Datum (III): X

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

Reference Station (III): DEWIS, 1939

Lat.: 48° 24' 49.582"  Long.: 122° 36' 49.781"

Adjusted X

Unadjusted

Plane Coordinates (IV):

State: Washington  Zone: North

Y = 520,710.53  x = 1,567,616.83

Roman numerals indicate whether the item is to be entered by (II) 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.
Areas contoured by various personnel
(Show name within area)
(II) (III)
FIELD INSPECTION BY (II):
W. V. Hull
Date: April & June 1960

PLATE TABLE CONTOURING BY (II):

COMPLETION SURVEYS BY (II):

MEAN HIGH WATER LOCATION (III) (STATE DATE AND METHOD OF LOCATION): 6-23-60 BY FIELD INSPECTION, REFINEMENT BY STEREOSCOPIC EXAMINATION IN OFFICE AND COMPILATION BY GRAPHIC METHODS.

PROJECTION AND GRIDS RULED BY (IV):
Souders
Date:

PROJECTION AND GRIDS CHECKED BY (IV):
J. Keefer
Date: 8-18-60

CONTROL PLOTTED BY (III):
C. C. Harris
Date: 9-26-60

CONTROL CHECKED BY (III):
L. L. Graves
Date: 10-6-60

RADIAL PLOT OR STEREOSCOPIC
CONTROL EXTENSION BY (III):
J. L. Harris
Date: 10-12-61

STEREOSCOPIC INSTRUMENT COMPILATION (III):

PLANIMETRY

CONTOURS

MANUSCRIPT DELINEATED BY (III):
C. H. Bishop, Rough Draft
Date: 6-23-61
C. H. Bishop, Scribing
9-12-61
C. C. Harris, Stick-up
11-7-61

PHOTOGRAHMERIC OFFICE REVIEW BY (III):
C. C. Harris, Rough Draft
Date: 7-11-61
J. E. Deal, Advance
11-15-61

ELEVATIONS ON MANUSCRIPT
CHECKED BY (II) (III):

COMM. DC. 57642
DESCRIPTIVE REPORT - DATA RECORD

Camera (kind or source) (III): G&GS Nine lens - focal length 8.25 inches.

PHOTOGRAPHS (III)

<table>
<thead>
<tr>
<th>Number</th>
<th>Date</th>
<th>Time</th>
<th>Scale</th>
<th>Stage of Tide</th>
</tr>
</thead>
<tbody>
<tr>
<td>60003</td>
<td>9-9-59</td>
<td>08:54</td>
<td>1:10,000</td>
<td>7.7' above M.L.L.W.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>(Ala Spit)</td>
</tr>
<tr>
<td>60218 &amp;</td>
<td></td>
<td></td>
<td></td>
<td>7.7' above M.L.L.W.</td>
</tr>
<tr>
<td>60219</td>
<td></td>
<td></td>
<td></td>
<td>(Yokeko Point)</td>
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<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>8.5' above M.L.L.W.</td>
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<td></td>
<td></td>
<td></td>
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<td>(Ala Spit)</td>
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<tr>
<td></td>
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<td>9.2' above M.L.L.W.</td>
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<td>(Yokeko Point)</td>
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Tide (III)

<table>
<thead>
<tr>
<th>Reference Station: Seattle, Washington</th>
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<tbody>
<tr>
<td>Subordinate Station: Ala Spit, Washington</td>
</tr>
<tr>
<td>Subordinate Station: Yokeko Point, Deception Pass</td>
</tr>
</tbody>
</table>

Washington Office Review by (IV):

Final Drafting by (IV):

Drafting verified for reproduction by (IV):

Proof Edit by (IV):

Land Area (Sq. Statute Miles) (III): 6

Shoreline (More than 200 meters to opposite shore) (III): 10

Shoreline (Less than 200 meters to opposite shore) (III): None

Control Leveling - Miles (II):

Number of Triangulation Stations searched for (II): 27 Recovered: 16 Identified: 4

Number of BMs searched for (II): 16 Recovered: 16 Identified: 5

Number of Recoverable Photo Stations established (III): None

Number of Temporary Photo Hydro Stations established (III): None

Remarks:

* All Tidal Bench Marks.
  Only one was shown in each of the three groups.
FIELD INSPECTION REPORT
Map Manuscript T-11585
Project Ph-5905

Refer to the Field Inspection Report for the entire Project Ph-5905 by Wesley V. Hull, February 1960 to September 1960.

Filed with Desc. Report T11584
PHOTOGRAMMETRIC PLOT REPORT

Map Manuscript T-11585

Project Ph-5905

Refer to the combined radial plot report for T-11584 thru T-11586 and T-11589 thru T-11593 which in included in the Descriptive Report for T-11584 (1960).
<table>
<thead>
<tr>
<th>STATION</th>
<th>SOURCE OF INFORMATION (INDEX)</th>
<th>LATITUDE OR y-COORDINATE</th>
<th>LONGITUDE OR x-COORDINATE</th>
<th>DISTANCE FROM GRID IN FEET OR PROJECTION LINE IN METERS</th>
<th>DATUM CORRECTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>ALA 2, 1907</td>
<td>Wash.N. Pg. 299 N.A. 1927</td>
<td>512,632.66</td>
<td>5174.531.02</td>
<td>2632.66 (2367.34) (467.98)</td>
<td>802.4 (721.6)</td>
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<tr>
<td>DEWEY, 1939</td>
<td>Pg. 297 520,710.53</td>
<td>520,710.53</td>
<td>2616.83 (2383.17)</td>
<td>216.6 (1307.4)</td>
<td>797.6 (726.4)</td>
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<tr>
<td>GIB, 1907</td>
<td>Pg. 298 528,029.87</td>
<td>528,029.87</td>
<td>3029.87 (1970.13)</td>
<td>923.5 (600.5)</td>
<td>524.7 (992.3)</td>
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<tr>
<td>KIKET, 1907</td>
<td>Pg. 299 521,848.55</td>
<td>521,848.55</td>
<td>2509.36 (2409.64)</td>
<td>563.4 (960.6)</td>
<td>764.9 (759.1)</td>
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<tr>
<td>PILE (NPS) 1934</td>
<td>Pg. 273 516,257.63</td>
<td>516,257.63</td>
<td>782.69 (4217.31)</td>
<td>383.3 (1140.7)</td>
<td>238.6 (1285.4)</td>
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<tr>
<td>POINT, 1907</td>
<td>Pg. 294 517,659.63</td>
<td>517,659.63</td>
<td>2639.63 (2360.37)</td>
<td>804.6 (719.4)</td>
<td>597.3 (926.7)</td>
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<tr>
<td>RIDGE 2, 1934</td>
<td>Pg. 273 527,549.40</td>
<td>527,549.40</td>
<td>1410.07 (3589.93)</td>
<td>777.1 (746.9)</td>
<td>429.8 (1094.2)</td>
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<tr>
<td>SUB 2, 1934</td>
<td>Pg. 294 522,619.50</td>
<td>522,619.50</td>
<td>2619.50 (2380.50)</td>
<td>798.4 (725.6)</td>
<td>597.3 (926.7)</td>
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<td>KIK, 1934</td>
<td>Pg. 293 521,993.08</td>
<td>521,993.08</td>
<td>1993.08 (3006.92)</td>
<td>1027.5 (496.5)</td>
<td>607.5 (916.5)</td>
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<td>Sub Station A</td>
<td>Office Comp. Office Comp.</td>
<td>521,848.46</td>
<td>1848.46 (3151.54)</td>
<td>563.4 (960.6)</td>
<td>842.6 (681.4)</td>
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<td>Sub Station B</td>
<td>Office Comp. Office Comp.</td>
<td>521,764.47</td>
<td>2764.47 (2235.53)</td>
<td>537.6 (986.4)</td>
<td>537.6 (986.4)</td>
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<tr>
<td>WEST HOPE (1907)1960</td>
<td>Office Comp. Office Comp.</td>
<td>514,097.81</td>
<td>4097.81 (902.19)</td>
<td>1249.0 (275.0)</td>
<td>447.7 (1076.3)</td>
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1 FT. = 3048006 METER
COMPUTED BY: G.H.B.  DATE: 8-24-60
CHECKED BY: J.L.H.  DATE: 9-15-60
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<thead>
<tr>
<th>STATION</th>
<th>SOURCE OF INFORMATION</th>
<th>LATITUDE OR y-COORDINATE</th>
<th>DISTANCE FROM GRID IN FEET. OR PROJECTION LINE IN METERS</th>
<th>N.A. 1927 - DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS</th>
<th>SCALE FACTOR</th>
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<tr>
<td>HOPE ISLAND LIGHT 1960</td>
<td>Office Comp. 1927</td>
<td>514,060.82</td>
<td>4060.82 (939.18)</td>
<td>1237.7 (286.3)</td>
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<tr>
<td>END 2, 1939</td>
<td></td>
<td>531,395.42</td>
<td>1395.42 (3604.58)</td>
<td>425.3 (1098.7)</td>
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<tr>
<td>Sub Station A</td>
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<td>1,582,722.79</td>
<td>2722.79 (2277.21)</td>
<td>829.9 (694.1)</td>
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<tr>
<td>Sub Station B</td>
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<td>531,261.96</td>
<td>1261.96 (3738.04)</td>
<td>384.6 (1139.4)</td>
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<td>HOYP (NPS) 1934</td>
<td>Wash.N. Pg.297</td>
<td>519,770.70</td>
<td>4770.70 (229.30)</td>
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<td>Sub Station</td>
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<td>4091.40 (908.60)</td>
<td>1247.1 (276.9)</td>
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<tr>
<td>SAW, 1934</td>
<td>Wash.N. Pg.294</td>
<td>523,118.59</td>
<td>3118.59 (1881.41)</td>
<td>950.5 (573.5)</td>
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</table>

1 FT. = 0.3048006 METER

COMPILATION REPORT

Map Manuscript T-11585

Project Ph-5905

31. Delineation:

Graphic methods were used to compile the planimetry. Photography was adequate except for delineating the shoreline in certain areas. Refer to Item 35, Shoreline and Alongshore Features.

32. Control:

The horizontal control was adequate.

33. Supplemental Data:

Map of Island County, Washington, compiled by Island County Engineers, March 1958, Scale 1" = 1 mile.


34. Contours and Drainage:

Drainage was not field inspected. The drainage from Lake Campbell was delineated stereoscopically with reference to the U.S.G.S. 15 minute quadrangle Deception Pass, Washington.

35. Shoreline and Alongshore Details:

These features were adequately field inspected. Because of shadows on the photographs the north shorelines of Kiket Island, Skagit Island, Hope Island and Whidbey Island were compiled from sextant fix locations furnished by the field unit. These are entered on the reverse side of the field photographs.

All photography was taken near high water and the limits of foreshore areas have not been shown. The character of the foreshore has been indicated by numerous notes along the shoreline.

Kelp areas that were field inspected have been shown.

Shoal areas were not visible on the photography.
36. **Offshore Details:**

   Numerous piling and rocks are just offshore from the mean high-water line. The elevation on the rocks was transposed to the manuscript datum by the compiler from data furnished by the field inspector.

37. **Landmarks and Aids:**

   Form 567 is submitted showing the location of Hope Island Light by traverse in 1960.

38. **Control for Future Surveys:**

   None.

39. **Junctions:**

   Satisfactory junctions were made with T-11584 on the west, T-11586 on the east and T-11589 on the south. There is no contemporary survey to the north.

40. **Horizontal and Vertical Accuracy:**

   Vertical accuracy is not applicable.

   There are no areas believed to be of sub-normal horizontal accuracy.

46. **Comparison with Existing Maps:**


47. **Comparison with Nautical Charts:**

   Comparison was made with Nautical Chart No. 6376, Scale 1:25,000, 1st Edition May 5, 1945, Revised June 27, 1960.
Items to be Applied to Nautical Charts Immediately:
None.

Items to be Carried Forward:
None.

Approved:

Fred Natella, CAPT, C&GS
Portland District Officer

Respectfully submitted:

J. Edward Deal
Cartographer
49. **Notes to the Hydrographer**

None.
<table>
<thead>
<tr>
<th>Compilation Record</th>
<th>Completion Date</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>T-115 85</td>
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<tr>
<td>4. Interior Details Added Compilation Complete.</td>
<td>11-16-61</td>
<td></td>
</tr>
</tbody>
</table>
PHOTOGRAMMETRIC OFFICE REVIEW

T-11585

1. Projection and grids  
2. Title  
3. Manuscript numbers  
4. Manuscript size  

CONTROL STATIONS

5. Horizontal control stations of third-order or higher accuracy  
6. Recoverable horizontal stations of less than third-order accuracy (topographic stations) none  
7. Photo hydro stations none  
8. Bench marks  
9. Plotting of sextant fixes  
10. Photogrammetric plot report  
11. Detail points  

ALONGSHORE AREAS
(Nautical Chart Data)

12. Shoreline  
13. Low-water line none  
14. Rocks, shoals, etc.  
15. Bridges none  
16. Aids to navigation  
17. Landmarks none  
18. Other alongshore physical features  
19. Other alongshore cultural features  

PHYSICAL FEATURES

20. Water features  
21. Natural ground cover  
22. Planetable contours none  
23. Stereoscopic instrument contours none  
24. Contours in general none  
25. Spot elevations none  
26. Other physical features  

CULTURAL FEATURES

27. Roads  
28. Buildings  
29. Railroads none  
30. Other cultural features  

BOUNDARIES

31. Boundary lines  
32. Public land lines none  

MISCELLANEOUS

33. Geographic names  
34. Junctions  
35. Legibility of the manuscript  
36. Discrepancy overlay none  
37. Descriptive Report  
38. Field inspection photographs  
39. Forms  

Reviewer: Jane Doe
Supervisor, Review Section or Unit: Edward Reed

41. Remarks (see attached sheet)

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

Supervisor

43. Remarks:
48. **Geographic Names:**

Ala Srit
Cornet Bay
Deception Pass
Dewey
Fidalgo Island
Flagstaff Point
Gibraltar
Hope Island
Hoypus Hill
Hoypus Point
Kiket Island
Lake Campbell
Similk Bay
Skagit Bay
Skagit Island
Whidbey Island
Yokeko Point

Geographic Names Section
27 February 1963
61. **General Statement**

These are ten (10) shoreline maps of project PH-5905, Puget Sound, Washington. These maps were prepared primarily to provide basic maps, including the location of all non floating aids and landmarks for use in revising our nautical charts and for control of proposed hydrographic surveys.

62. **Comparison with Registered Topographic Surveys**

<table>
<thead>
<tr>
<th>Survey</th>
<th>Scale</th>
<th>Date</th>
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</thead>
<tbody>
<tr>
<td>T-1252</td>
<td>1:10,000</td>
<td>1871</td>
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<tr>
<td>T-2156</td>
<td>1:20,000</td>
<td>1889</td>
</tr>
<tr>
<td>T-2856</td>
<td>1:20,000</td>
<td>1908</td>
</tr>
<tr>
<td>T-6684b</td>
<td>1:10,000</td>
<td>1939</td>
</tr>
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<td>T-6685a&amp;b</td>
<td>1:10,000</td>
<td>1939</td>
</tr>
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<td>T-6686</td>
<td>1:10,000</td>
<td>1939</td>
</tr>
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<td>T-6687</td>
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<td>T-6689</td>
<td>1:5,000</td>
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</tr>
<tr>
<td>T-6769</td>
<td>1:10,000</td>
<td>1940</td>
</tr>
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</table>

Agreement with the above surveys is in general fair. There are many differences most of which are due to natural changes, but the general picture presented by the above surveys are reasonably similar to that of the present surveys. The above surveys are to be superseded for the common area.

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

<table>
<thead>
<tr>
<th>Agency</th>
<th>Scale</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Deception Pass</td>
<td>1:62,500</td>
<td>1951</td>
</tr>
<tr>
<td>Utsalady</td>
<td>1:24,000</td>
<td>1956</td>
</tr>
<tr>
<td>Conway</td>
<td>1:24,000</td>
<td>1956</td>
</tr>
</tbody>
</table>

There are small cultural and shoreline differences but in general the agreement is good.

64. **Comparison with Contemporary Hydrographic Surveys**

None

65. **Comparison with Nautical Charts**

See item 47.
66. Accuracy of Results and Future Surveys

These surveys comply with instructions and meet the National Standard of Map Accuracy.

Reviewed by:

L.C. Bande

Approved by:

Charles H. Cream
Chief, Photogrammetric Branch

Chief, Nautical Chart Division

J. W. Waugh 7/27/64
Chief, Photogrammetry Division
## 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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<tr>
<td>6300</td>
<td>8-17-65</td>
<td>G. R. Johnson</td>
<td>Full Part Before After Verification Review Inspection Signed Via Drawing No.</td>
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<td>19427</td>
<td>3-24-80</td>
<td>T. M. Hill</td>
<td>Full Part Before After Verification Review Inspection Signed Via Drawing No. 25</td>
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<td>19423</td>
<td>1-30-81</td>
<td>E. James</td>
<td>Full Part Before After Verification Review Inspection Signed Via Drawing No. X Drg 21</td>
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