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<th>Type of Survey</th>
<th>Shoreline (Photogrammetric)</th>
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<td>Office No.</td>
<td>T-11594</td>
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<td>Washington</td>
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<td>General locality</td>
<td>Whidbey Island</td>
</tr>
<tr>
<td>Locality</td>
<td>Swantown</td>
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<td>CHIEF OF PARTY</td>
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<tr>
<td>Lorne G. Taylor &amp; Fred Natella</td>
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DESCRIPTIVE REPORT - DATA RECORD

T = 11594

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

Field Office (II): Mt. Vernon, Washington
Chief of Party: Lorne G. Taylor
Photogrammetric Office (III):
Unit Chief: Wesley V. Hull
Officer-in-Charge: Lorne G. Taylor
& Fred Natella

Instructions dated (II) (III): 10 Feb. 1960 II
Supplement 1 5 May 1960 II & III

Copy filed in Division of Photogrammetry (IV)

Method of Compilation (III): Kelsh Instrument

Manuscript Scale (III): 1:10,000
Stereoscopic Plotting Instrument Scale (III): 1:6000
Scale Factor (III): None
Pantograph Scale 1:10,000

Date received in Washington Office (IV): NOV 1961
Date reported to Nautical Chart Branch (IV):

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

Publication Scale (IV): Publication date (IV):
Geographic Datum (III): N.A. 1927 Vertical Datum (III): X
Mean sea level except as follows:
Elevations shown as (2) refer to mean high water
Elevations shown as (2) refer to sounding datum
i.e., mean low water or mean lower low water

Reference Station (III): SWANTOWN, 1942

Lat.: 48° 17' 26.142" Long.: 122° 43' 28.412"

Adjusted X
Unadjusted

Plane Coordinates (IV): State: Washington Zone: North
Y= 476,430.21
X= 1,539,627.54

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)
(I) (II) (III)
### DESCRIPTIVE REPORT - DATA RECORD

**Field Inspection by (II):**  
W. V. Hull & L. F. Van Scoy  
Date: June & Aug. 1960

**Planetary contouring by (II):**  
Date:

**Completion Surveys by (II):**  
Date:

**Mean High Water Location (III) (State date and method of location):**  
6-30 & 8-2-60 by field inspection and Kelsh Instrument compilation.

**Projection and Grids ruled by (IV):**  
J. E. T.  
Date: 5-4-60

**Projection and Grids checked by (IV):**  
W.S.  
Date: 5-4-60

**Control plotted by (III):**  
J. L. Harris  
Date: 11-17-60

**Control checked by (III):**  
R. M. Sundeau  
Date: 11-17-60

**Radial Plot or Stereoscopic**  
W. A. Kuncis  
Date: July 1960

**Control extension by (III):**

**Stereoscopic Instrument compilation (III):**  
Planimetry D. N. Williams  
Contours  
Date: 11-9-60

**Manuscript delineated by (III):**  
L. L. Graves, Scribing  
C. C. Harris, Stick-up  
Date: 11-29-60

**Photogrammetric Office Review by (III):**  
J. L. Harris, Rough Draft  
J. E. Deal, Advance  
Date: 11-18-60

**Elevations on Manuscript checked by (II) (III):**  
Date:
Camera (kind or source) (III): C&GS Single lens "S"

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<td>4-26-60</td>
<td>11:35</td>
<td>1:30,000</td>
<td>0.7' above M.L.L.W.</td>
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Tide (III)

Reference Station: Port Townsend, Washington
Subordinate Station: Reservation Bay, Fidalgo I., Washington

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): 10
Shoreline (More than 200 meters to opposite shore) (III): 4
Shoreline (Less than 200 meters to opposite shore) (III): None
Control Leveling - Miles (II):
Number of Triangulation Stations searched for (II): 13 Recovered: 10 Identified: 1
Number of BMs searched for (II): None Recovered: Identified:
Number of Recoverable Photo Stations established (III): None
Number of Temporary Photo Hydro Stations established (III): None

Remarks:
FIELD INSPECTION REPORT

Map Manuscript T-11594

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 T-11584
PHOTOGRAMMETRIC PLOT REPORT
Map Manuscript T-11594
Project Ph-5905

Refer to Photogrammetric Plot Report (Stereoplanigraph Bridge) Strip No. 9, Puget Sound, Washington; Whidbey and Camano Islands (1960) by W. A. Kuncis.
Fixed with Desc. Report T11584
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<th>LONGITUDE OR $\lambda$-COORDINATE</th>
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1 FT. = 0.3048006 METER

COMPUTED BY C.H.B. DATE 9-9-60
CHECKED BY J.E.D. DATE 8-17-60
COMPILATION REPORT
Map Manuscript T-11594
Project Ph-5905

31. Delineation:

The Kelsh Instrument was used to compile the planimetric details. Some office delineation was necessary to supplement the field inspection relative to roads leading to waterfront facilities.

32. Horizontal Control:

Horizontal control was adequate.

33. Supplemental Data:

Refer to Descriptive Report for T-11588 (1960).

34. Contours and Drainage:

Contours are not applicable.

Drainage was field inspected and no additional drainage was indicated by reference to U.S.G.S 15 minute quadrangle, Deception Pass, Washington.

35. Shoreline and Alongshore Features:

The mean high-water line and alongshore features were adequately field inspected and no difficulties were encountered.

Low-water lines shown on the manuscript should be fairly accurate since the photographs were made at mean lower-low-water.

Shoal lines were not indicated because of a large kelp area adjacent to the low-water line. The outer limits of this area have been compiled.

36. Offshore Details:

Individual rocks which were field inspected and which lie just offshore from the M.H.W.L. have been compiled.

37. Landmarks and Aids:

None.
38. Control for Future Surveys:

None.

39. Junctions:

Satisfactory junctions were made with T-11587 on the north, T-11595 on the east and with T-11601 and T-11602 on the south. A small area of shoreline of the Strait of Juan De Fuca has been compiled in the west marginal area of the manuscript and no junction is required because the Strait of Juan De Fuca borders to the west.

Items 40 and 46:

Refer to the Descriptive Report for T-11588 (1960).

47. Comparison with Nautical Charts:

Comparison was made with Nautical Chart No. 6380, 8th Edition March 3, 1947, Corrected through 1-23-60, Scale 1:80,000.

Comparison was made with Nautical Chart No. 6450, 11th Edition, March 3, 1945, Corrected through 1-23-60, Scale 1:80,000.

Items to be Applied to Nautical Charts Immediately.

None.

Items to be Carried Forward.

None.

Approved:  

Respectfully submitted:

Fred Natella, CAPT, C&GS  
Portland District Officer

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

None.
<table>
<thead>
<tr>
<th>Compilation Record</th>
<th>Completion Date</th>
<th>Remarks</th>
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</table>

T-11594
PHOTOGRAMMETRIC OFFICE REVIEW

T. 11594


CONTROL STATIONS

5. Horizontal control stations of third-order or higher accuracy X 6. Recoverable horizontal stations of less than third-order accuracy (topographic stations) None 7. Photo hydro stations None 8. Bench marks None

ALONGSHORE AREAS

(Nautical Chart Data)


PHYSICAL FEATURES


CULTURAL FEATURES


BOUNDARIES

31. Boundary lines X 32. Public land lines None

MISCELLANEOUS


40. J.L. Harris 

Reviewer

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: M-2623-12
43. Geographic Names:
Hastie Lake
Strait of Juan de Fuca
Swantown
Whidbey Island
61. General Statement

These are seven (7) 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

| T-1253 | 1:10,000 | 1871   |
| T-2011 | 1:20,000 | 1888   |
| T-2156 | 1:20,000 | 1889   |
| T-6685a | 1:10,000 | 1939   |
| T-6768 | 1:10,000 | 1940   |
| T-6769 | 1:10,000 | 1940   |

Cultural and shoreline changes have been continuous with extensive cultural changes in Oak and Crescent Harbors on Whidbey Island. These maps are to supersede the above surveys of common area for nautical charting.

63. Comparison with Maps of Other Agencies

| Deception Pass | 1:62,500 | 1951   |
| Utsolady     | 1:24,000 | 1956   |
| Conway       | 1:24,000 | 1956   |

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

64. Comparison with Contemporary Hydrographic Surveys

| H-8542 | 1:10,000 | 1960   |
| H-8543 | 1:10,000 | 1960   |

Shoreline and control of the subject surveys was furnished prior to the hydrographic surveys and apparently no differences exist.

65. Comparison with Nautical Charts

| 6404  | 1:10,000 | 1952 revised to Mar. 1961 |
| 6450  | 1:80,000 | 1961 revised to Oct. 1963 |
| 184 S.C. | 1:80,000 | 1963  |

There are no differences of importance between the charts and the manuscripts.
66. **Accuracy of Results and Future Surveys**

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

Reviewed by:

L. C. Lande

Approved by:

Charles Groen
Chief, Photogrammetric Branch

[Signature]

Chief, Photogrammetry Division

[Signature] 7/1/67
## 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>
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<th>CARTOGRAPHER</th>
<th>REMARKS</th>
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**NOTE:**

- Form C&GS-8352 supercedes all editions of Form C&GS-978.
- USCGC-DC-8358-P63