

T-12246

T-12246

NOAA FORM 76-35

U.S. DEPARTMENT OF COMMERCE  
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION  
NATIONAL OCEAN SURVEY

### DESCRIPTIVE REPORT

Type of Survey SHORELINE  
Job No. PH-6211 Map No. T-12246  
Classification No. Final Edition No. 1  
Field Edited

### LOCALITY

State WASHINGTON  
General Locality HOOD CANAL  
Locality Quilcene

1962 TO 1969

### REGISTRY IN ARCHIVES

DATE .....

MAP NOT INSPECTED BY  
QUALITY CONTROL OF PHOTOGRAMMETRY DIVISION  
PRIOR TO REGISTRATION

NOAA FORM 76-36A (3-72) U. S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMIN.  <b>DESCRIPTIVE REPORT - DATA RECORD</b>		TYPE OF SURVEY <input checked="" type="checkbox"/> ORIGINAL <input type="checkbox"/> RESURVEY <input type="checkbox"/> REVISED	SURVEY TR. <u>12246</u>  MAP EDITION NO. <u>1</u> MAP CLASS <u>Field Edited</u>  JOB PH. <u>6211</u>
PHOTOGRAMMETRIC OFFICE Rockville, Md.		<b>LAST PRECEDING MAP EDITION</b>	
OFFICER-IN-CHARGE  V. Ralph Sobieralski		TYPE OF SURVEY <input type="checkbox"/> ORIGINAL <input type="checkbox"/> RESURVEY <input type="checkbox"/> REVISED	JOB PH. _____ MAP CLASS _____ SURVEY DATES: 19__ TO 19__
<b>I. INSTRUCTIONS DATED</b>			
1. OFFICE		2. FIELD	
Original office June 15, 1964 Amendment No. 1 Nov. 22, 1965 " No. 2 Feb. 16, 1966 " No. 3 Jul 1, 1966 " No. 4 Apr. 5, 1967		Field - Feb 5, 1963 Field Supplemental Feb 23, 1967	
<b>II. DATUMS</b>			
1. HORIZONTAL: <input checked="" type="checkbox"/> 1927 NORTH AMERICAN		OTHER (Specify)	
2. VERTICAL: <input checked="" type="checkbox"/> MEAN HIGH-WATER <input type="checkbox"/> MEAN LOW-WATER <input type="checkbox"/> MEAN LOWER LOW-WATER <input type="checkbox"/> MEAN SEA LEVEL		OTHER (Specify)	
3. MAP PROJECTION Polyconic Projection		4. GRID(S)	
5. SCALE 1:10,000		STATE Washington	ZONE North Zone
<b>III. HISTORY OF OFFICE OPERATIONS</b>			
OPERATIONS		NAME	DATE
1. AEROTRIANGULATION C-8 Steroplanigraph BY METHOD: Analytic LANDMARKS AND AIDS BY		J. Gerlach	Jan 65
2. CONTROL AND BRIDGE POINTS PLOTTED BY METHOD: Hand Plot CHECKED BY		J. C. Richter	Jun 67
3. STEREOSCOPIC INSTRUMENT PLANIMETRY BY COMPILATION CHECKED BY		J. C. Richter	Jun 67
INSTRUMENT: Wild B-8 Stereoplotter CONTOURS BY SCALE: 1:30,000 CHECKED BY		K. Maki	Jul 67
4. MANUSCRIPT DELINEATION PLANIMETRY BY CHECKED BY		J. C. Richter	Jun 67
METHOD: Graphic-B-8 worksheets CONTOURS BY CHECKED BY		K. Maki	Jul 67
SCALE: 1:10,000 HYDRO SUPPORT DATA BY CHECKED BY		J. C. Richter	Jul 67
5. OFFICE INSPECTION PRIOR TO FIELD EDIT BY		K. Maki	Jul 67
6. APPLICATION OF FIELD EDIT DATA BY CHECKED BY		J. C. Richter	Jan 72
7. COMPILATION SECTION REVIEW BY		P. Dempsey	Sep 76
8. FINAL REVIEW BY		J. Battley	Sep 76
9. DATA FORWARDED TO PHOTOGRAMMETRIC BRANCH BY		P. Dempsey	Sep 1981
10. DATA EXAMINED IN PHOTOGRAMMETRIC BRANCH BY		H. D. Wolfe	
11. MAP REGISTERED - COASTAL SURVEY SECTION BY			

NOAA FORM 76-36B  
(3-72)U. S. DEPARTMENT OF COMMERCE  
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION  
NATIONAL OCEAN SURVEY

## COMPILATION SOURCES

## 1. COMPILATION PHOTOGRAPHY

CAMERA(S) "W" 6" focal length		TYPES OF PHOTOGRAPHY LEGEND		TIME REFERENCE	
TIDE STAGE REFERENCE		(C) COLOR X (P) PANCHROMATIC (I) INFRARED		ZONE	
<input checked="" type="checkbox"/> PREDICTED TIDES <input type="checkbox"/> REFERENCE STATION RECORDS <input type="checkbox"/> TIDE CONTROLLED PHOTOGRAPHY				Pacific	
				MÉRIDIAN	
				105th	
				<input checked="" type="checkbox"/> DAYLIGHT	
NUMBER AND TYPE	DATE	TIME	SCALE	STAGE OF TIDE	
62 W 5381 5383	7 Jun 1962	11:00	1:30,000	3.9 Above MLW	
65 L 5637 5638	15 Aug 65	10:12	1:30,000 (Ratio)		

REMARKS

## 2. SOURCE OF MEAN HIGH-WATER LINE:

Office interpreted from computed tide values which determined the stage of tide at the time of the photography listed in item 1.

## 3. SOURCE OF MEAN LOW-WATER OR MEAN LOWER LOW-WATER LINE:

No mean lower low-water line delineated on this map.

See Final Review Report.

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

SURVEY NUMBER	DATE(S)	SURVEY COPY USED	SURVEY NUMBER	DATE(S)	SURVEY COPY USED

## 5. FINAL JUNCTIONS

NORTH	EAST	SOUTH	WEST
No contemporary Survey	T-12247	T-12251	No contemporary Survey

REMARKS

HISTORY OF FIELD OPERATIONS

T-12246

I. <input checked="" type="checkbox"/> FIELD INSPECTION OPERATION		<input type="checkbox"/> FIELD EDIT OPERATION	
OPERATION	NAME	DATE	
1. CHIEF OF FIELD PARTY	R. B. Melby	May 1963	
2. HORIZONTAL CONTROL	RECOVERED BY ESTABLISHED BY	R. B. Melby	June 1963
	PRE-MARKED OR IDENTIFIED BY	R. B. Melby	June 1963
	RECOVERED BY ESTABLISHED BY PRE-MARKED OR IDENTIFIED BY	N/A N/A N/A	
3. VERTICAL CONTROL	RECOVERED (Triangulation Stations) BY LOCATED (Field Methods) BY IDENTIFIED BY	N/A N/A N/A	
4. LANDMARKS AND AIDS TO NAVIGATION	RECOVERED (Triangulation Stations) BY LOCATED (Field Methods) BY IDENTIFIED BY	N/A N/A N/A	
5. GEOGRAPHIC NAMES INVESTIGATION	TYPE OF INVESTIGATION <input type="checkbox"/> COMPLETE <input type="checkbox"/> SPECIFIC NAMES ONLY <input checked="" type="checkbox"/> NO INVESTIGATION		
6. PHOTO INSPECTION	CLARIFICATION OF DETAILS BY	N/A	
7. BOUNDARIES AND LIMITS	SURVEYED OR IDENTIFIED BY	N/A	
II. SOURCE DATA			
1. HORIZONTAL CONTROL IDENTIFIED		2. VERTICAL CONTROL IDENTIFIED	
One station			
PHOTO NUMBER	STATION NAME	PHOTO NUMBER	STATION DESIGNATION
62W5382	Station T.T. IRB(USGS), 1955		
3. PHOTO NUMBERS (Clarification of details)			
4. LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED			
PHOTO NUMBER	OBJECT NAME	PHOTO NUMBER	OBJECT NAME
5. GEOGRAPHIC NAMES: <input type="checkbox"/> REPORT <input checked="" type="checkbox"/> NONE		6. BOUNDARY AND LIMITS: <input type="checkbox"/> REPORT <input checked="" type="checkbox"/> NONE	
7. SUPPLEMENTAL MAPS AND PLANS			
NONE			
8. OTHER FIELD RECORDS (Sketch books, etc. DO NOT list data submitted to the Geodesy Division)			
NONE			

HISTORY OF FIELD OPERATIONS.

T-12246

I. <input type="checkbox"/> FIELD INSPECTION OPERATION		<input checked="" type="checkbox"/> FIELD EDIT OPERATION.	
OPERATION	NAME	DATE	
1. CHIEF OF FIELD PARTY	R. E. Moses	April 1969	
2. HORIZONTAL CONTROL	RECOVERED BY	N/A	
	ESTABLISHED BY	N/A	
	PRE-MARKED OR IDENTIFIED BY	N/A	
3. VERTICAL CONTROL	RECOVERED BY	N/A	
	ESTABLISHED BY	N/A	
	PRE-MARKED OR IDENTIFIED BY	N/A	
4. LANDMARKS AND AIDS TO NAVIGATION	RECOVERED ( <i>Triangulation Stations</i> ) BY	None	
	LOCATED ( <i>Field Methods</i> ) BY		
	IDENTIFIED BY		
5. GEOGRAPHIC NAMES INVESTIGATION	TYPE OF INVESTIGATION		
	<input type="checkbox"/> COMPLETE		
	<input type="checkbox"/> SPECIFIC NAMES ONLY BY		
	<input checked="" type="checkbox"/> NO INVESTIGATION		
6. PHOTO INSPECTION	CLARIFICATION OF DETAILS BY	K. A. Domoto	April 1969
7. BOUNDARIES AND LIMITS	SURVEYED OR IDENTIFIED BY	N/A	
II. SOURCE DATA			
1. HORIZONTAL CONTROL IDENTIFIED		2. VERTICAL CONTROL IDENTIFIED	
PHOTO NUMBER	STATION NAME	PHOTO NUMBER	STATION DESIGNATION
3. PHOTO NUMBERS ( <i>Clarification of details</i> )			
62W5383			
4. LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED			
PHOTO NUMBER	OBJECT NAME	PHOTO NUMBER	OBJECT NAME
5. GEOGRAPHIC NAMES: <input type="checkbox"/> REPORT <input checked="" type="checkbox"/> NONE		6. BOUNDARY AND LIMITS: <input type="checkbox"/> REPORT <input checked="" type="checkbox"/> NONE	
7. SUPPLEMENTAL MAPS AND PLANS			
NONE			
8. OTHER FIELD RECORDS ( <i>Sketch books, etc. DO NOT list data submitted to the Geodesy Division</i> )			
Sketch Book			

RECORD OF SURVEY USE

7-12246

I. MANUSCRIPT COPIES

COMPILATION STAGES			DATE MANUSCRIPT FORWARDED	
DATA COMPILED	DATE	REMARKS	MARINE CHARTS	HYDRO SUPPORT
Shoreline, photo-hydro support points	July 1967			July 1967
Field edit applied	Jan 1972	Class I map		

II. LANDMARKS AND AIDS TO NAVIGATION

1. REPORTS TO MARINE CHART DIVISION, NAUTICAL DATA BRANCH

NUMBER	CHART LETTER NUMBER ASSIGNED	DATE FORWARDED	REMARKS

2.  REPORT TO MARINE CHART DIVISION, COAST PILOT BRANCH. DATE FORWARDED: \_\_\_\_\_  
 3.  REPORT TO AERONAUTICAL CHART DIVISION, AERONAUTICAL DATA SECTION. DATE FORWARDED: \_\_\_\_\_

III. FEDERAL RECORDS CENTER DATA

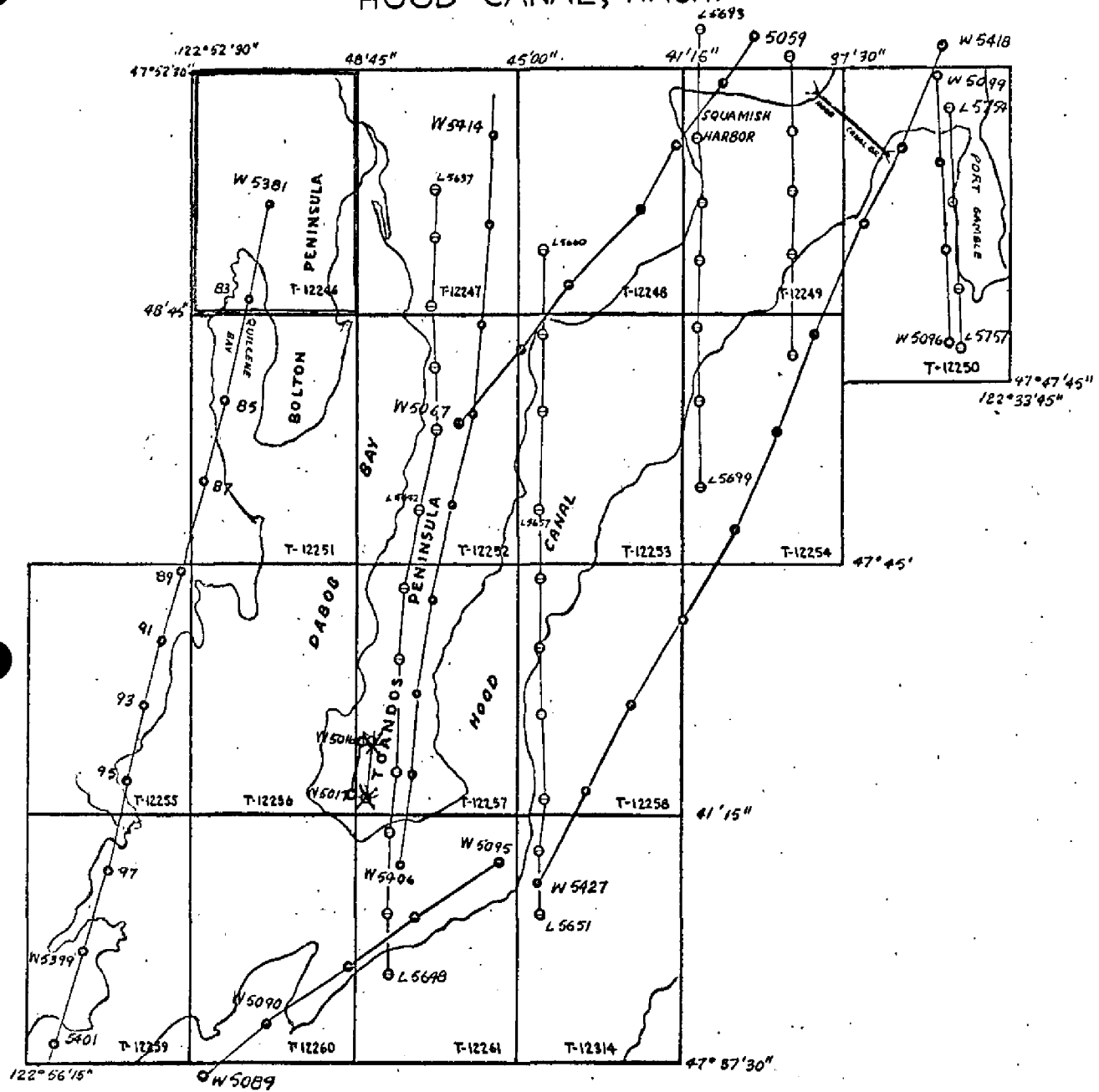
1.  BRIDGING PHOTOGRAPHS;  DUPLICATE BRIDGING REPORT;  COMPUTER READOUTS.  
 2.  CONTROL STATION IDENTIFICATION CARDS;  FORM NOS 567 SUBMITTED BY FIELD PARTIES.  
 3.  SOURCE DATA (except for Geographic Names Report) AS LISTED IN SECTION II, NOAA FORM 76-36C.  
 ACCOUNT FOR EXCEPTIONS:  
 Photo 62W5383 and sketch book lost.  
 4.  DATA TO FEDERAL RECORDS CENTER. DATE FORWARDED: 11/82

IV. SURVEY EDITIONS (This section shall be completed each time a new map edition is registered)

SECOND EDITION	SURVEY NUMBER	JOB NUMBER	TYPE OF SURVEY	
	TP - _____ (2)	PH - _____	<input type="checkbox"/> REVISED	<input type="checkbox"/> RESURVEY
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	MAP CLASS	
			<input type="checkbox"/> II.	<input type="checkbox"/> III. <input type="checkbox"/> IV. <input type="checkbox"/> V. <input type="checkbox"/> FINAL
THIRD EDITION	SURVEY NUMBER	JOB NUMBER	TYPE OF SURVEY	
	TP - _____ (3)	PH - _____	<input type="checkbox"/> REVISED	<input type="checkbox"/> RESURVEY
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	MAP CLASS	
			<input type="checkbox"/> II.	<input type="checkbox"/> III. <input type="checkbox"/> IV. <input type="checkbox"/> V. <input type="checkbox"/> FINAL
FOURTH EDITION	SURVEY NUMBER	JOB NUMBER	TYPE OF SURVEY	
	TP - _____ (4)	PH - _____	<input type="checkbox"/> REVISED	<input type="checkbox"/> RESURVEY
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	MAP CLASS	
			<input type="checkbox"/> II.	<input type="checkbox"/> III. <input type="checkbox"/> IV. <input type="checkbox"/> V. <input type="checkbox"/> FINAL

72

PH-6211  
SHORELINE MAPPING  
SCALE 1:10,000  
HOOD CANAL, WASH.



PHOTOGRAPHY

- 1:30,000 Date Jun 62
- 1:25,000 " Aug 65
- 1:15,000 Jun 62



T-12246

SUMMARY TO ACCOMPANY  
DESCRIPTIVE REPORT

This 1:10,000 scale shoreline manuscript is one of 17 maps that comprise Project Ph-6211, which covers an area in the Northern part of Hood Canal from Port Gamble Southward to Hood Point and includes all of Dabob Bay. All maps in this project were field edited and reviewed. The field edit was accomplished by the hydrographic field party for project OPR-412.

The initial purpose of this map was to provide support for our nautical and aeronautical charting program and provide photo-hydro support data for hydrography scheduled in the area.

A field investigation was performed prior to compilation in April to June 1963. This investigation was to establish control, in order to meet aerotriangulation requirements, and to locate all landmarks and aids previously undetermined. All fixed aids to navigation not previously located by triangulation were located by triangulation or traverse at this time.

Photo coverage for compilation and aerotriangulation was flown in June 1962 with the "W" Wild Aviogon camera at a scale of 1:30,000 with panchromatic film and in August 1965 with the "L" Wild camera at a scale of 1:30,000 (ratio to 1:10,000) with panchromatic film. The 1:10,000 scale ratio prints were used for field notes.

Analytical aerotriangulation was adequately provided by the Rockville office.

Compilation was performed at both the Rockville office and the Atlantic Marine Center. Five sheets (T-12248, T-12249, T-12250, T-12253 and T-12254) were compiled in the AMC office in July, August and September 1966. The other twelve sheets were compiled in the Rockville office in April, May and June 1967. The field edit was applied in the Rockville office only.

Final review for this map was performed in the Rockville office in 1981.

## FIELD INSPECTION

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.

See attached report on panelling of control.

Horizontal Control and Identification Report

Project Ph-6211

Hood Canal, Washington

April-June 1963

The following comments and remarks are pertinent to the conditions and methods utilized to perform the required photo-control in Project Ph-6211. (Reference control diagram Ph-6211, Hood Canal, Wash.)

Sheet T-12246

Station T.T. 1 RB (USGS), 1955 was identified by the substitute station method, incorporating a dog-leg traverse to one of the substitute stations.

Station LELAND, 1955 was not identified. See station LARSON, 1955 north of sheet T-12247.

Sheet T-12247

Station LARSON, 1955 was identified in lieu of station LELAND, 1955. Station SANDY SHORE, 1955 was identified by a traverse to the substitute stations. A sun azimuth was observed at both ends of the traverse to secure adequate azimuth control of the traverse of the traverse line. Station GRASS 2, 1955 was identified by the substitute station method.

Sheet T-12248 T-12249

Station HOOD CANAL LIGHT 4, 1961 was identified direct and by the reverse, substitute station method.

Sheet T-12249

Station SET 2, 1934 was identified by a single substitute station,

determined by a dog-leg traverse. Station HOOD CANAL LIGHT NO.1, 1945 was identified direct. The light is near SET 2, 1934 and can serve as a second identified point. Station WHITE, 1934 was identified by the substitute station methods, using a dog-leg traverse to determine one of the substitute stations.

During the location of station SISTERS ROCK LIGHT, 1963, observations involving station SHINE, 1927 failed to provide adequate azimuth checks.

Sheet T-12250

North of this sheet station HEAD, 1927 was identified by a single substitute station. Nearby station POINT HANNON LIGHT, 1945 was identified direct to afford another identified point. Station NORTH BASE, 1915 was identified by the substitute station method. Station PORT, 1927 was identified by the substitute station method.

Sheet T-12251

Station COMPUTER BLDG (USN), 1961 was identified by the substitute station method.

Sheet T-12252

Station HOOD CANAL LIGHT 10, 1963 was identified direct. A suitable substitute station could not be found, therefore station CURRANT 2 1934, about 1/3 mile to the southwest was identified with a single substitute station.

Sheet T-12253

No stations were identified in this sheet.

Sheet 12254

Station HOOD CANAL LIGHT NO. 1, 1945 was identified direct to augment identification of nearby station SET 2, 1934.

Sheet T-12255

Station SYLOPASH POINT LIGHT, 1963, was identified by the reverse substitute station method.

Sheet T-12256

Station PULALI 2, 1961 was identified direct. A suitable substitute could not be found.

Sheet T-12257

Station CURRANT 2, 1934 was identified with a single substitute station. This can serve as the second identification point in this area as HOOD CANAL LIGHT 10 1963 was identified direct. Station HAZEL POINT LIGHT, 1963 was identified direct. Nearby station OAK HEAD LIGHT, 1963 in sheet T-12261 was also identified direct to serve as the other required identified point. In the course of the location of station HAZEL POINT LIGHT, 1963, station HAZEL POINT 3, 1945 was found to be in error by about 36 feet. The azimuth of the line CHUTE 3, 1945-HAZEL POINT 3 1945 was in error by 10 minutes. A new position of HAZEL POINT 3, 1945 was determined by the field unit. Station TABOOK POINT LIGHT, 1963 was identified direct.

Sheet T-12258

Station BANGOR, 1955 was identified by a single substitute station. Nearby station BANGOR LOOKOUT TOWER, 1955 was identified direct.

Sheet T-12259

Station QUATSAP 2, 1934 was identified by the substitute station method utilizing a single closed triangle observation.

Sheet T-12260

Station BOULDER, 1878 was identified by two substitute stations.

Sheet T-12261

Station ISLAND POINT

Station LONE ROCK, 1878 was identified by the substitute station method by a single closed triangle observation.

Sheet T-12314

No station were identified in the sheet.

None of the control identification was considered substandard.

Landmarks and aids

All landmarks and aids previously undetermined were located at this time. All fixed aids to navigation not previously located by triangulation were located by triangulation or traverse methods at this time.

Respectfully submitted

*Robert B. Melby*  
Robert B. Melby  
Surveying Technician

PHOTOGRAMMETRIC PLOT REPORT  
JOB PH-6211  
HOOD CANAL, WASHINGTON  
PART III

May 1, 1967

21. Area Covered

The area covered by this report is the west shore of Dabob Bay and the portion of Hood Canal at the mouth of Dabob Bay. It includes T-sheets 12246, 12251, 12255, 12256 and 12259 thru 12261.

22. Method

Two strips were bridged, one (#32, 62-W-5088 thru 5093) on the C-8 stereoplanigraph and the other (#12, 62-W-5374 thru 5401) by analytic methods. Strip #32 was adjusted on four control stations. Strip #12 was adjusted on five control stations.

23. Adequacy of Control

Control was adequate and complied with job instructions. Stations PULAI 2, 1961 and COMPUTER BUILDING (USN) 1961, subpoint "B", could not be held in the bridge due to the poor image quality of the points.

24. Supplemental Data

Local USGS quads were used to provide vertical control for the bridging process. Ratio prints were provided for compilation.

25. Photography

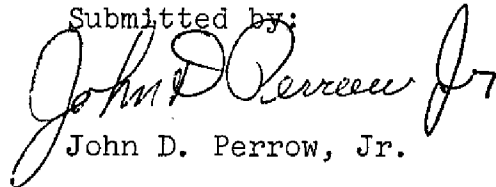
Photography was adequate as to coverage, overlap and definition. Strip #12 could not be bridged by stereoplanigraph methods due to film shrinkage along one edge. This problem was eliminated by using analytic methods.

Approved by:



Henry P. Eichert

Submitted by:



John D. Perrow, Jr.

Aerotriangulation Report

Charge No. 21053

Hood Canal, Washington

21. Area Covered

The bridging covers the area of Hood Canal, approximately 20 miles northwest of Seattle, Washington.

22. Method

Six strips were bridged on the Zeiss C-8 stereoplanigraph to provide control for compilation of shoreline (see attached sketch). Strip 2 was not bridged because the area was duplicated by Strip 1. Strip 7 was adjusted on the IBM 650 and all other strips on the IBM 1620.

23. Adequacy of Control

Control positions were adequate for bridge adjustment. However, sub stations of Pulali 2, 1961 and Computer Building (USN) 1961 were impossible to locate with any accuracy due mainly to poor images. Sisters Rock Light, 1963 also had a very poor image on the photographs in strip 6.

No explanation could be found for the discrepancy of Tabook Point Light, 1963 and sub-station B of Hoods Point, 1878. Sub station B of Hoods Point was within accuracy limits on Strip 3.

All other points held within accuracy requirements.

24. Supplemental Data

Common tie points were hit between adjoining bridges and were averaged. Vertical control points were taken directly from the quads and can be expected to have only the accuracy of the contours of the quad itself.

25. Photography

Photography was adequate as to coverage. The overlap was too great on Strip 1, necessitating the use of every other photograph in the bridge. Definition was poor on the strips to the west, partially because of sun reflections.

Submitted by:  
*John T. Gerlach*  
John T. Gerlach

Approved by:  
*John D. Perrow, Jr.*  
John D. Perrow, Jr.

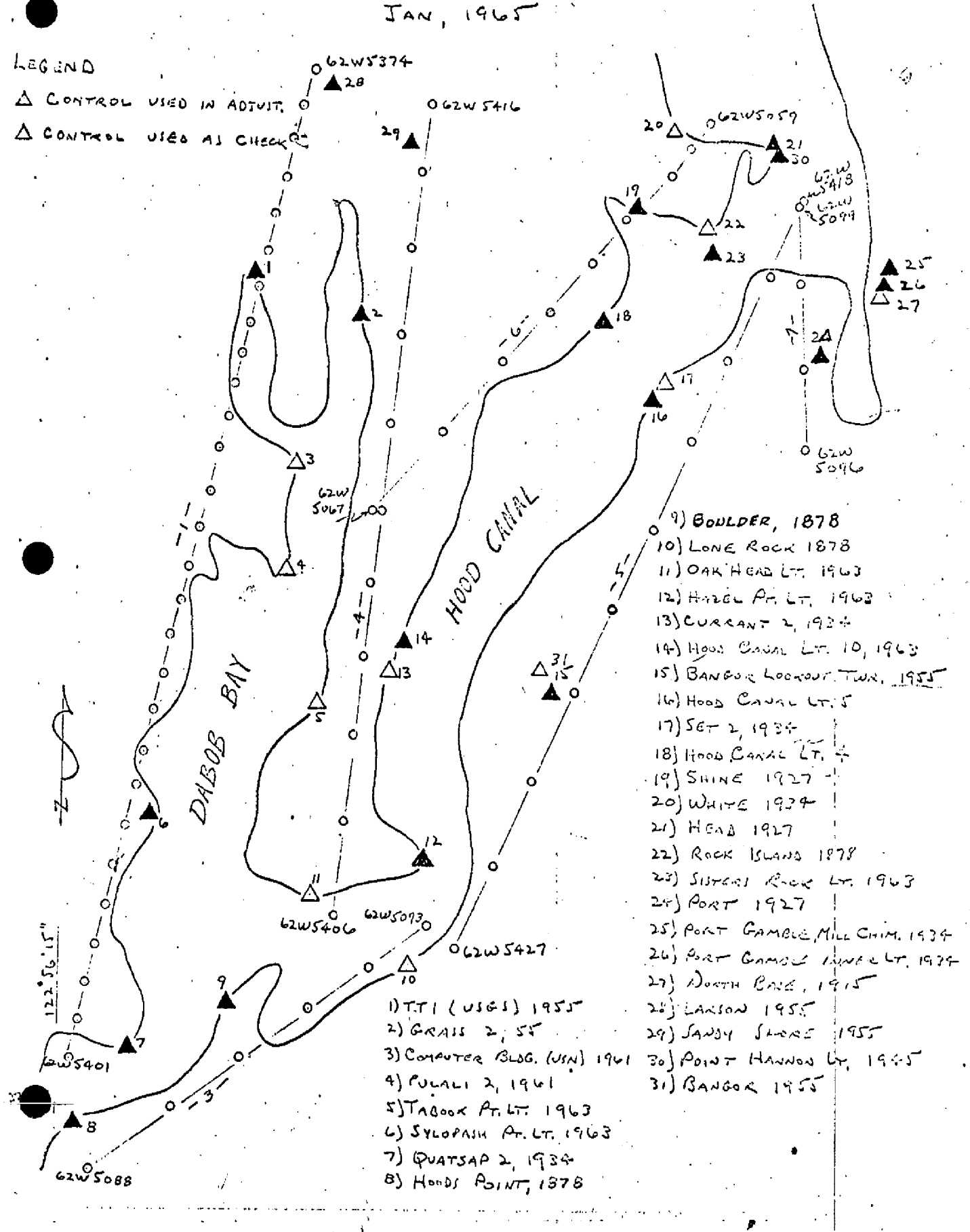


AEROTRIANGULATION SKETCH  
CHARGE No. 21053  
HOOD CANAL, WASHINGTON  
JAN, 1965

LEGEND

△ CONTROL USED IN ADJUST.

△ CONTROL USED AS CHECK



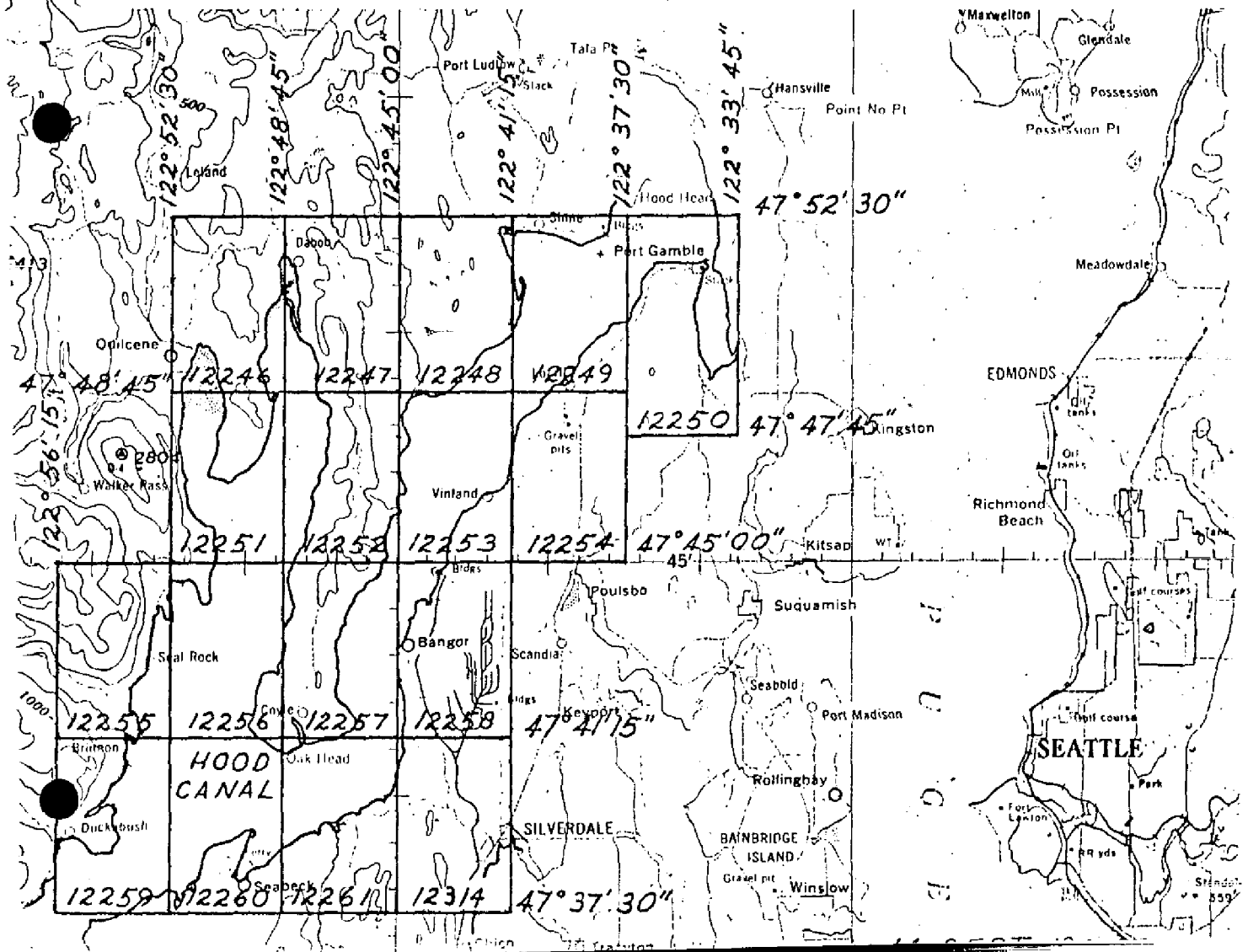
- 9) BOULDER, 1878
- 10) LONE ROCK 1878
- 11) OAK HEAD LT. 1963
- 12) HAZEL Pt. LT. 1963
- 13) CURRENT 2, 1934
- 14) HOOD CANAL LT. 10, 1963
- 15) BANGOR LOOKOUT TWR. 1955
- 16) HOOD CANAL LT. 5
- 17) SET 2, 1934
- 18) HOOD CANAL LT. 4
- 19) SHINE 1927
- 20) WHITE 1934
- 21) HEAD 1927
- 22) ROCK ISLAND 1878
- 23) SISTERS ROCK LT. 1963
- 24) PORT 1927
- 25) PORT GAMBLE MILL CHIM. 1934
- 26) PORT GAMBLE MARINE LT. 1934
- 27) NORTH BAY, 1915
- 28) LANSON 1955
- 29) SANDY SHORE 1955
- 30) POINT HANNOX LT. 1945
- 31) BANGOR 1955

- 1) TTI (USGS) 1955
- 2) GRASS 2, 55
- 3) COMPUTER BLDG. (USN) 1961
- 4) PULALI 2, 1961
- 5) TABOOK Pt. LT. 1963
- 6) SYLOPASH Pt. LT. 1963
- 7) QUATSAP 2, 1934
- 8) HONDS POINT, 1878

# PROJECT PH-6211 SHORELINE MAPPING

## WASHINGTON HOOD CANAL SCALE 1:40,000

Sheet No.	Square Miles	Linear Miles	Sheet No.	Square Miles	Linear Miles
12246	10	6	12255	11	8
12247	10	6	12256	2	7
12248	11	4	12257	7	10
12249	3	11	12258	11	6
12250	11	13	12259	4	11
12251	5	12	12260	3	10
12252	8	5	12261	6	6
12253	3	8	12314	11	4
12254	13	2	<b>TOTALS</b>	<b>129</b>	<b>130</b>



DESCRIPTIVE REPORT CONTROL RECORD

MAP NO. T-12246	JOB NO. PH-6211	GEODETIC DATUM N. A. 1927		ORIGINATING ACTIVITY Rockville, Md.	
STATION NAME T.T. 1 RB(USGS) 1955	SOURCE OF INFORMATION (Index) Pg 1632	AEROTRI- ANGULATION POINT NUMBER	COORDINATES IN FEET		REMARKS
			STATE WASHINGTON	ZONE NORTH	
			x = 1,503,043.04	$\phi$ 47°49'43.460"	
			y = 308,830.53	$\lambda$ 122°51'24.062"	
			x =	$\phi$	
			y =	$\lambda$	
			x =	$\phi$	
			y =	$\lambda$	
			x =	$\phi$	
			y =	$\lambda$	
			x =	$\phi$	
			y =	$\lambda$	
			x =	$\phi$	
			y =	$\lambda$	
			x =	$\phi$	
			y =	$\lambda$	
			x =	$\phi$	
			y =	$\lambda$	
COMPUTED BY	DATE	COMPUTATION CHECKED BY			DATE
LISTED BY J. Richter	DATE Jun. 67	LISTING CHECKED BY H. Lucas			DATE Jun 67
HAND PLOTTING BY J. Richter	DATE Jun 67	HAND PLOTTING CHECKED BY H. Lucas			DATE Jun 67

## Compilation Report

T-12246

31. Delineation

Delineation of T-12246 was by instrument method using the B-8 stereoplotter and holding to pass points established by the Aerotriangulation Section. The shoreline was checked graphically with the 1:10,000 scale ratio photographs prepared for Hydro Support.

32. Control

See the Aerotriangulation Report for the adequacy of horizontal control. Vertical control was taken from USGS Quadrangle maps and used in the leveling of the stereomodels on the B-8.

33. Supplemental Data

None

34. Contours and Drainage

Contours are not applicable. Drainage was compiled from interpretation of the photography.

35. Shoreline and Alongshore Detail

The MHWL was delineated by office interpretation of the photographs using computed tide values which determined the stage of tide at the time of photography.

36. Offshore Detail

Offshore rocks could not be located by instrument methods because of poor definition of the bridging photographs. Rocks and shallow line along the west side of Dabob Bay were located graphically using 1965 photography. Mud and shallow areas were compiled in Quilcene Bay by office interpretation of photography.

37. Landmarks and Aids

None

38. Control for Future Surveys

None

39. Junctions

Junctions were made with sheet T-12247 to the east, sheet T-12251 to the south and noncontemporary surveys to the north and west.

40. thru 45. N/A

46. Comparison with Existing Maps

Comparison was made with USGS Quadrangle Map: Quilcene, Washington, scale 1:24,000, dated 1953.

47. Comparison with Nautical Charts

Comparison was made with Nautical Chart 6422, scale 1:25,000, 3rd edition, Feb 8, 1965, corrected to June 11, 1966.

Items to be applied to Nautical Charts immediately.- None

Items to be carried forward - None

Respectfully Submitted

John C. Richter  
Cartographer

Approved and Forwarded:

K.N. Maki  
Chief, Compilation Section

## FIELD EDIT REPORT

HOOD CANAL AND DEBOB BAY, WASHINGTON

MARCH, APRIL 1969

PROJECT OFR - 412

This report covers the area in Hood Canal from Carson Point south to Quatsap Point and the entire Debob and Quilcene Bays.

The entire shore line was inspected using a small boat. The Field Edit copies (Discrepancy Prints) of the map manuscripts were used as a guide and all corrections, except as noted below, were recorded on them.

## ADEQUACY OF COMPILATION:

The extent and accuracy of the maps appear to be reasonably complete, considering the compilation was accomplished without the benefit of Field Inspection.

## METHODS:

The shoreline was inspected primarily with respect to the Discrepancy Prints of the map manuscript. All items specifically noted on the prints were investigated thoroughly. All shoreline was inspected and any comments were recorded on the Discrepancy Print. Where positions were needed, sextant cuts on Hydrographic Signals were recorded. These positions were numbered and plotted on the appropriate Boat Sheet of the area. The proper sheet is stated on the individual Discrepancy Prints.

Mean High Water was established with sextant angles and references to along shore objects and Hydrographic Signals. The shore is generally a sand gravel composition with areas cluttered with medium size boulders. The Dashed Line shown on the manuscripts were generally excellently positioned to indicate areas or limits of shoal water.

There are numerous homes and summer homes along the shore. Many have private railways or small mooring buoys offshore. The positions of the larger, most dangerous items have been noted.

## SHEET T-12261:

Refer to Sheet DA-10-<sup>2</sup>7-69.

Area is well settled. The major change in shoreline is the slide area on the upper right. The outline is as of the time noted.

SHEET T-12260:

Refer to Sheet DA-10-2-69.

Area is well settled. Shoreline of Misery Point is Rocky and rises sharply from the beach. The area is prone to slides.

SHEET T-12259:

Refer to Sheet DA-10-2-69.

The area at the mouth of the Duckabush River is extremely shallow and sandy. The high water line appears satisfactory, but is difficult to determine.

SHEET T-12257:

Refer to Sheet DA-10-1-69.

This area is generally uninhabited. Fisherman's Harbor is accessible only at or near high tide.

SHEET T-12258:

Refer to Sheet DA-10-1-69.

This area is well inhabited. The dashed shoreline is generally very steep with trees growing to the High Water Line.

SHEET T-12256:

Refer to Sheet DA-10-1-69.

SHEET T-12255:

Refer to Sheet DA-10-1-69.

The area is well inhabited. The Brinnon Flats area is very shallow. The High Water Line is as good as can be expected, considering the sand shoreline and the river mouth.

SHEET T-12252:

Refer to Sheet DA-10-3-69.

SHEET T-12251:

Refer to Sheet DA-10-3-69.

There are numerous buoys owned and maintained by the Navy off of the southern end of Bolton Peninsula. These are positioned on DA-10-3-69.

SHEET T-12246:

Refer to Sheet DA-10-3-69, Photo 62W5383, and Sketch Book.

The north end of Quilcene Bay is very shallow with miscellaneous piles, etc. Pilings, bulkheads, etc. near East Quilcene have been photo identified on Photo 62W5383.

SHEET T-12314:

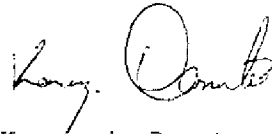
Refer to Sheet DA-10-1-69 and DA-10-2-69.

SHEET T-12247:

Refer to Sheet DA-10-3-69.

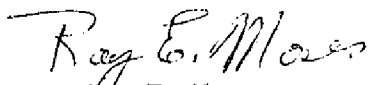
Tarboo Bay is dry, except for a shallow stream, and inaccessible at low water.

Respectfully Submitted,



Kanezo A. Domoto  
LT, USESSA  
Operations Officer  
USC&GSS DAVIDSON

APPROVED & FORWARDED:



Ray E. Moses  
CDR USESSA  
Comdg. Officer  
USC&GSS DAVIDSON



Review Report  
T-12246  
Shoreline Manuscript  
July 15, 1981

61. GENERAL STATEMENT

In the application of field edit, a sketch book, indicated in the field edit report, was lost and not used in applying field edit. The field photo 62W5383, used in the application of field edit has been lost and therefore not verified in the final review.

The dotted line appearing outside the MHW line of this manuscript is the limits of foreshore area visible on the photography. There is no MLLW line on this map.

62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS - Not applicable.

63. COMPARISON WITH MAPS OF OTHER AGENCIES - N/A.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS

Comparison was made with hydrographic survey No. H-9038, scale 1:10,000, dated April 1969. The hydrographic survey shows areas of the dotted foreshore line as their MLLW line. The surveys are in agreement elsewhere.

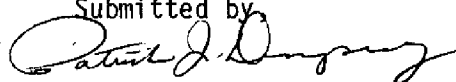
65. COMPARISON WITH NAUTICAL CHARTS

Comparison was made with nautical chart 6422, scale 1:25,000, 3rd edition, Feb. 8, 1965, corrected to June 11, 1966. The shoreline on the west side of Quilcene Bay differs from chart 6422. This area is very shallow and muddy and the interpretation of the shoreline was difficult.

66. ADEQUACY OF RESULTS AND FUTURE SURVEYS

This map complies with project instructions and meets the requirements for Bureau Standards and National Standards of Map Accuracy.

Submitted by



P. Dempsey  
Final Reviewer

Approved and forwarded:

Chief, Photogrammetric Branch

Chief, Photogrammetry Division

627

10-30-66  
Corrected from  
field report

May 20, 1969

- Frank W. Pickett

GEOGRAPHIC NAMES

FINAL NAME SHEET

PH-6211 (Hood Canal, Wash.)

T-12246

Big Quilcene River

Bolton Peninsula

Dabob Bay

Donovan ~~Lake~~ Creek - J.P.

East Quilcene

Little Quilcene River

Quilcene

Quilcene Bay

Rice Lake

Tarboo Bay

Tarboo Creek

Approved by:

*A. J. Wraight*

A. J. Wraight  
Chief Geographer

Prepared by:

*Frank W. Pickett*

Frank W. Pickett  
Cartographic Technician

Project PH-6211 Material on File

Hood Canal, Washington

Federal Records Center

Control Station Identification Cards  
Field Edit Photographs  
Computer Readouts  
Field Edit Photographs  
Field Edit Ozalids (Discrepancy Prints) for each map

Project Completion Report

Bureau Archives

Registered Copy of each map  
Descriptive Report of each map

Reproduction Division

8x Reduction Negative of each map

Office of Staff Geographer

Geographer Names Standard

**RECORD OF APPLICATION TO CHARTS**

FILE WITH DESCRIPTIVE REPORT OF SURVEY NO. \_\_\_\_\_

**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.

CHART	DATE	CARTOGRAPHER	REMARKS
			Full Part Before After Verification Review Inspection Signed Via
			Drawing No.
			Full Part Before After Verification Review Inspection Signed Via
			Drawing No.
			Full Part Before After Verification Review Inspection Signed Via
			Drawing No.
			Full Part Before After Verification Review Inspection Signed Via
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