

T - 12261

T-12261

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-12261 .....

Classification No. Final ..... Edition No. ...1.....  
Field Edited

#### LOCALITY

State ..... Washington .....

General Locality ...Hood Canal.....

Locality .Warrenville.....

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.		TYPE OF SURVEY <input checked="" type="checkbox"/> ORIGINAL <input type="checkbox"/> RESURVEY <input type="checkbox"/> REVISED	SURVEY TP. <u>12261</u>  MAP EDITION NO. (1) MAP CLASS <u>Field Edited</u>  JOB PH. <u>6211</u>
<b>DESCRIPTIVE REPORT - DATA RECORD</b>		<b>LAST PRECEDING MAP EDITION</b>	
PHOTOGRAMMETRIC OFFICE  Rockville, Md		TYPE OF SURVEY <input type="checkbox"/> ORIGINAL <input type="checkbox"/> RESURVEY <input type="checkbox"/> REVISED	JOB PH. _____ MAP CLASS _____ SURVEY DATES: 19__ TO 19__
OFFICER-IN-CHARGE  V. Ralph Sobieralski			
<b>I. INSTRUCTIONS DATED</b>			
<b>1. OFFICE</b>		<b>2. FIELD</b>	
Original, June 15, 1967 Amendment No. 1, Nov: 22, 1965 Amendment No. 2, Feb. 16, 1966 Amendment No. 3, July 1, 1966 Amendment No. 4, April 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		4. GRID(S)	
		STATE Washington	ZONE North
5. SCALE 1:10,000		STATE	ZONE
<b>III. HISTORY OF OFFICE OPERATIONS</b>			
OPERATIONS		NAME	DATE
1. AEROTRIANGULATION Stereoplanigraph & BY METHOD: analytic LANDMARKS AND AIDS BY		J. Gerlach	
		J. Perrow	5/1/67
2. CONTROL AND BRIDGE POINTS PLOTTED BY METHOD: CHECKED BY		J. Phillips	4/11/67
		M.C. Webber	4/11/67
3. STEREOSCOPIC INSTRUMENT PLANIMETRY BY COMPILATION CHECKED BY		M.C. Webber	4/14/67
INSTRUMENT: B-8 stereoplotter SCALE: 1:30,000		K.N. Maki	April 1967
		N/A	
		N/A	
4. MANUSCRIPT DELINEATION PLANIMETRY BY CHECKED BY		M.C. Webber	4/20/67
		J. Battley, Jr.	Apr. 1967
METHOD: Graphic worksheets, ratio prints SCALE: 1:10,000		N/A	
		N/A	
		M.C. Webber	Apr. 1967
		J. Battley, Jr.	Apr. 1967
5. OFFICE INSPECTION PRIOR TO FIELD EDIT BY		K.N. Maki	May 1967
6. APPLICATION OF FIELD EDIT DATA BY		H.K. Lucas	Dec. 1971
		J. Battley, Jr.	Nov. 76
7. COMPILATION SECTION REVIEW BY		J. Battley, Jr.	Nov. 1976
8. FINAL REVIEW BY		P. Dempsey	Mar. 1982
9. DATA FORWARDED TO PHOTOGRAMMETRIC BRANCH BY			
10. DATA EXAMINED IN PHOTOGRAMMETRIC BRANCH BY			
11. MAP REGISTERED - COASTAL SURVEY SECTION BY		V. R. White	MAR 10 1983

COMPILATION SOURCES

T-12261

1. COMPILATION PHOTOGRAPHY

CAMERA(S) Wild RC8		TYPES OF PHOTOGRAPHY LEGEND		TIME REFERENCE	
TIDE STAGE REFERENCE		(C) COLOR (P) PANCHROMATIC (I) INFRARED	ZONE Pacific		<input type="checkbox"/> STANDARD
<input checked="" type="checkbox"/> PREDICTED TIDES <input type="checkbox"/> REFERENCE STATION RECORDS <input type="checkbox"/> TIDE CONTROLLED PHOTOGRAPHY			MERIDIAN 105th		<input checked="" type="checkbox"/> DAYLIGHT
NUMBER AND TYPE	DATE	TIME	SCALE	STAGE OF TIDE	
62 W 5091 thru 5093	6-6-62	10:57	1:30,000	3.6 above MLLW	
65 L 5646 thru 5648	7-15-65	10:17	1:30,000		

REMARKS

2. SOURCE OF MEAN HIGH-WATER LINE:

The source of the mean high water line is office interpretation of the photographs listed in item 1.

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

There is no MLLW line delineated on this manuscript.

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
T-12257	T-12314	No contemporary survey	T-12260

REMARKS

HISTORY OF FIELD OPERATIONS

T-12261

I.  FIELD INSPECTION OPERATION  FIELD EDIT OPERATION

OPERATION	NAME	DATE
1. CHIEF OF FIELD PARTY	R.B. Melby	April 1963
2. HORIZONTAL CONTROL	RECOVERED BY ESTABLISHED BY	R.B. Melby April 1963
	PRE-MARKED OR IDENTIFIED BY	N/A
	RECOVERED BY	R.B. Melby April 1963
3. VERTICAL CONTROL	ESTABLISHED BY	N/A
	PRE-MARKED OR IDENTIFIED BY	N/A
	RECOVERED ( <i>Triangulation Stations</i> ) BY	R.B. Melby April 1963
4. LANDMARKS AND AIDS TO NAVIGATION	LOCATED ( <i>Field Methods</i> ) BY	N/A
	IDENTIFIED BY	R.B. Melby April 1963
	TYPE OF INVESTIGATION <input type="checkbox"/> COMPLETE <input type="checkbox"/> SPECIFIC NAMES ONLY <input type="checkbox"/> NO INVESTIGATION	N/A
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	
PHOTO NUMBER	STATION NAME	PHOTO NUMBER	STATION DESIGNATION

3. PHOTO NUMBERS (*Clarification of details*)

4. LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED  
Two stations

PHOTO NUMBER	OBJECT NAME	PHOTO NUMBER	OBJECT NAME
65L5646	Oak Head Light, 1963		
65L5646	Lone Rock, 1878		

5. GEOGRAPHIC NAMES:  REPORT  NONE

6. BOUNDARY AND LIMITS:  REPORT  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-12261

I.  FIELD INSPECTION OPERATION  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 (Triangulation Stations) BY	N/A
	LOCATED (Field Methods) BY	N/A
	IDENTIFIED BY	N/A
5. GEOGRAPHIC NAMES INVESTIGATION	R. E. Moses	April 1969
TYPE OF INVESTIGATION		
<input checked="" type="checkbox"/> COMPLETE BY		
<input type="checkbox"/> SPECIFIC NAMES ONLY		
<input 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	
PHOTO NUMBER	STATION NAME	PHOTO NUMBER	STATION DESIGNATION

3. PHOTO NUMBERS (Clarification of details)

4. LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED

PHOTO NUMBER	OBJECT NAME	PHOTO NUMBER	OBJECT NAME

5. GEOGRAPHIC NAMES:  REPORT  NONE

6. BOUNDARY AND LIMITS:  REPORT  NONE

7. SUPPLEMENTAL MAPS AND PLANS  
None

8. OTHER FIELD RECORDS (Sketch books, etc. DO NOT list data submitted to the Geodesy Division)  
None

I. MANUSCRIPT COPIES				
COMPILATION STAGES			DATE MANUSCRIPT FORWARDED	
DATA COMPILED	DATE	REMARKS	MARINE CHARTS	HYDRO SUPPORT
Shoreline-photo-hydro support points	April 1967			April 1967
Field edit applied	Dec. 1971	Class I		

II. LANDMARKS AND AIDS TO NAVIGATION			
1. REPORTS TO MARINE CHART DIVISION, NAUTICAL DATA BRANCH			
NUMBER	CHART LETTER NUMBER ASSIGNED	DATE FORWARDED	REMARKS

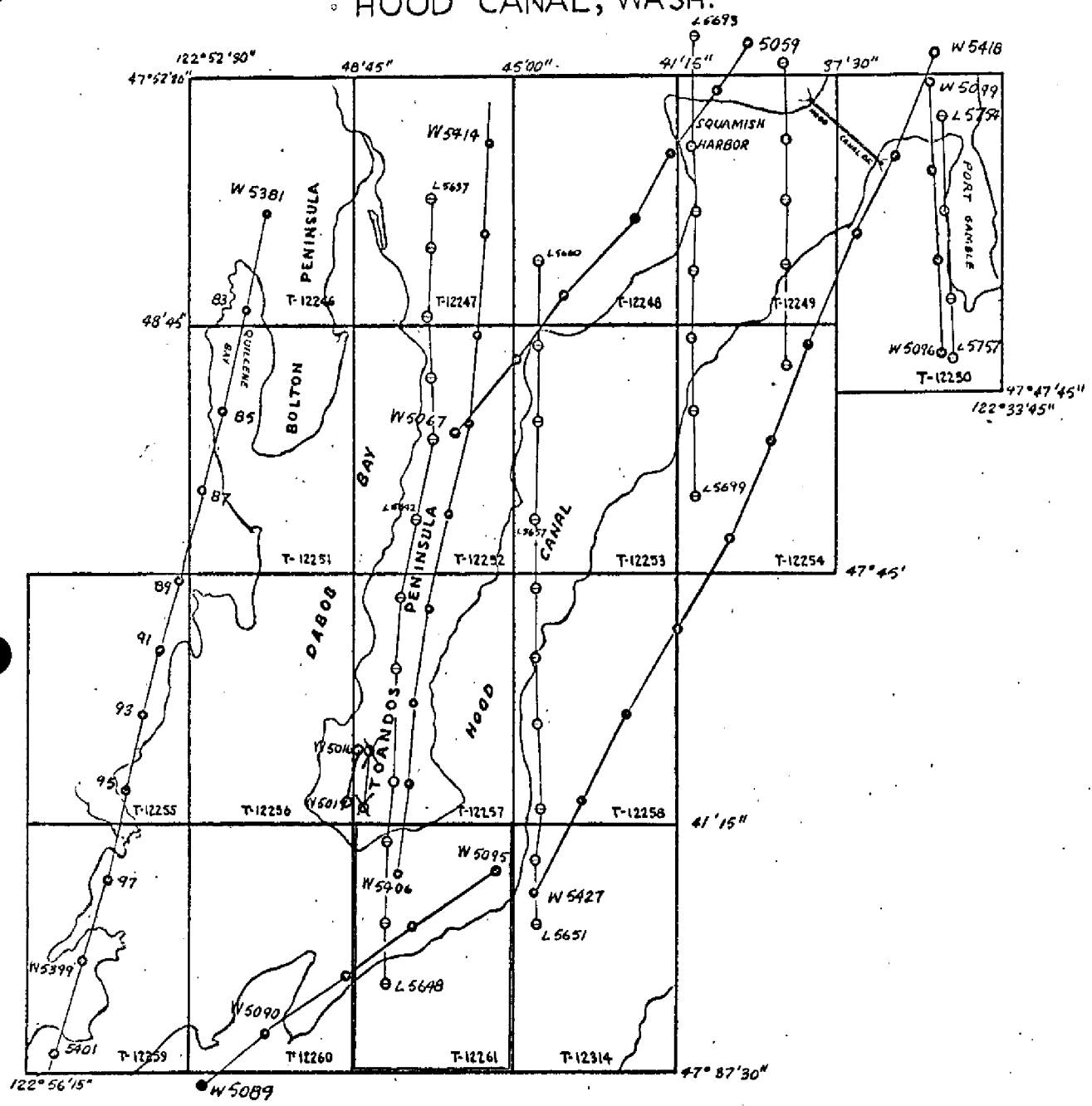
2.  REPORT TO MARINE CHART DIVISION, COAST PILOT BRANCH. DATE FORWARDED: \_\_\_\_\_  
 3.  REPORT TO AERONAUTICAL CHART DIVISION, AERONAUTICAL DATA SECTION. DATE FORWARDED: \_\_\_\_\_

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

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-12261

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 1982.

## 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,

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 BOLD ROCK

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

## 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.

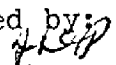
25. Photography

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

Approved by:

  
John D. Perrow, Jr.

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

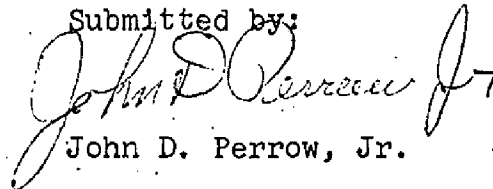
Photography was adequate as to coverage, overlap and definition. Strip #12 could not be bridged by stereoplanigraph methods due to film shrinkage along one edge. This problem was eliminated by using analytic methods.

Approved by:



Henry P. Eichert

Submitted by:



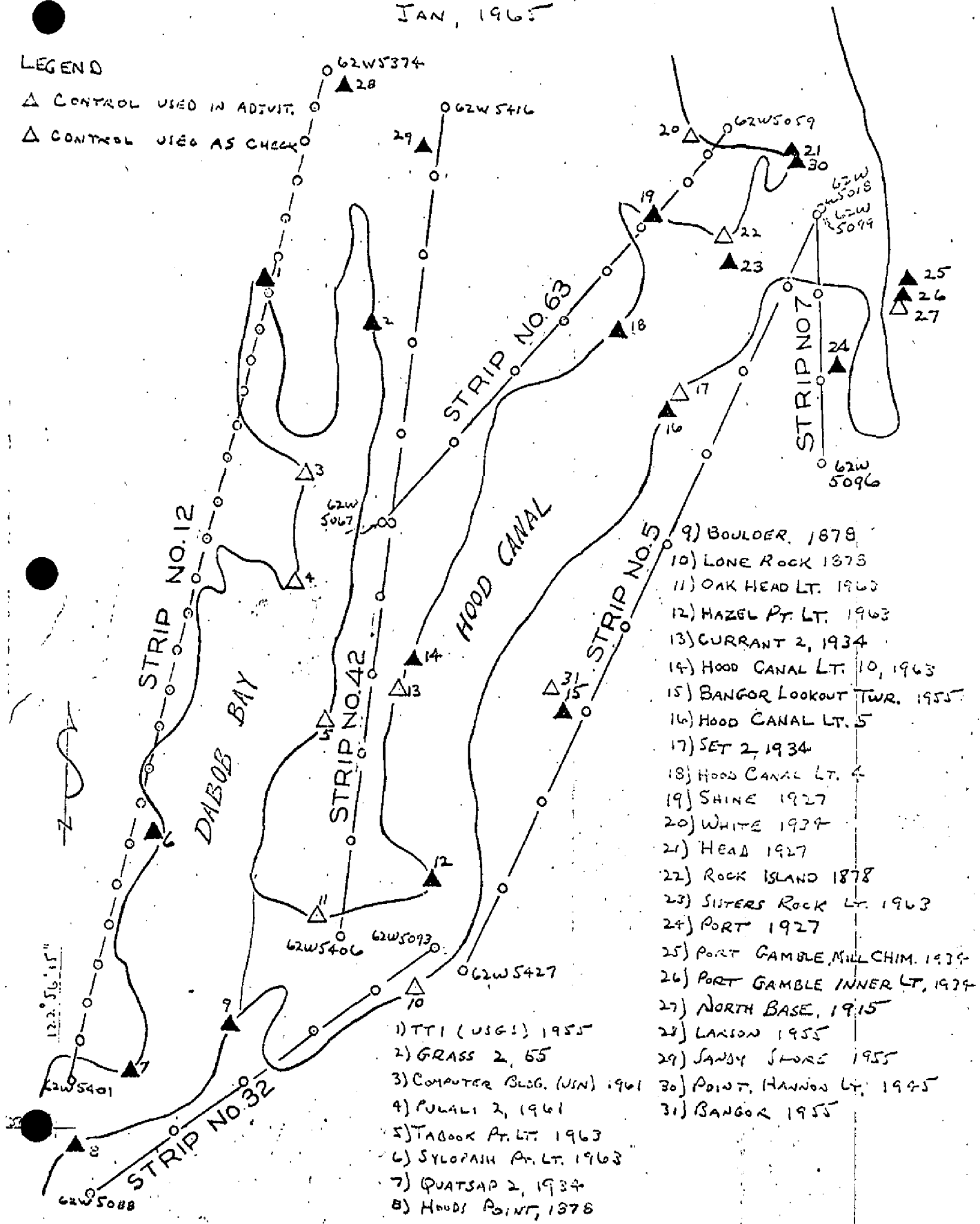
John D. Perrow, Jr.

AEROTRIANGULATION 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) CURRANT 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 1927
- 21) HEAD 1927
- 22) ROCK ISLAND 1878
- 23) SISTERS ROCK LT. 1963
- 24) PORT 1927
- 25) PORT GAMBLE MILL CHIM. 1934
- 26) PORT GAMBLE INNER LT. 1927
- 27) NORTH BASE, 1915
- 28) LAXSON 1955
- 29) SANDY SHORE 1955
- 30) POINT, HANNOX LT. 1945
- 31) BANGOR 1955

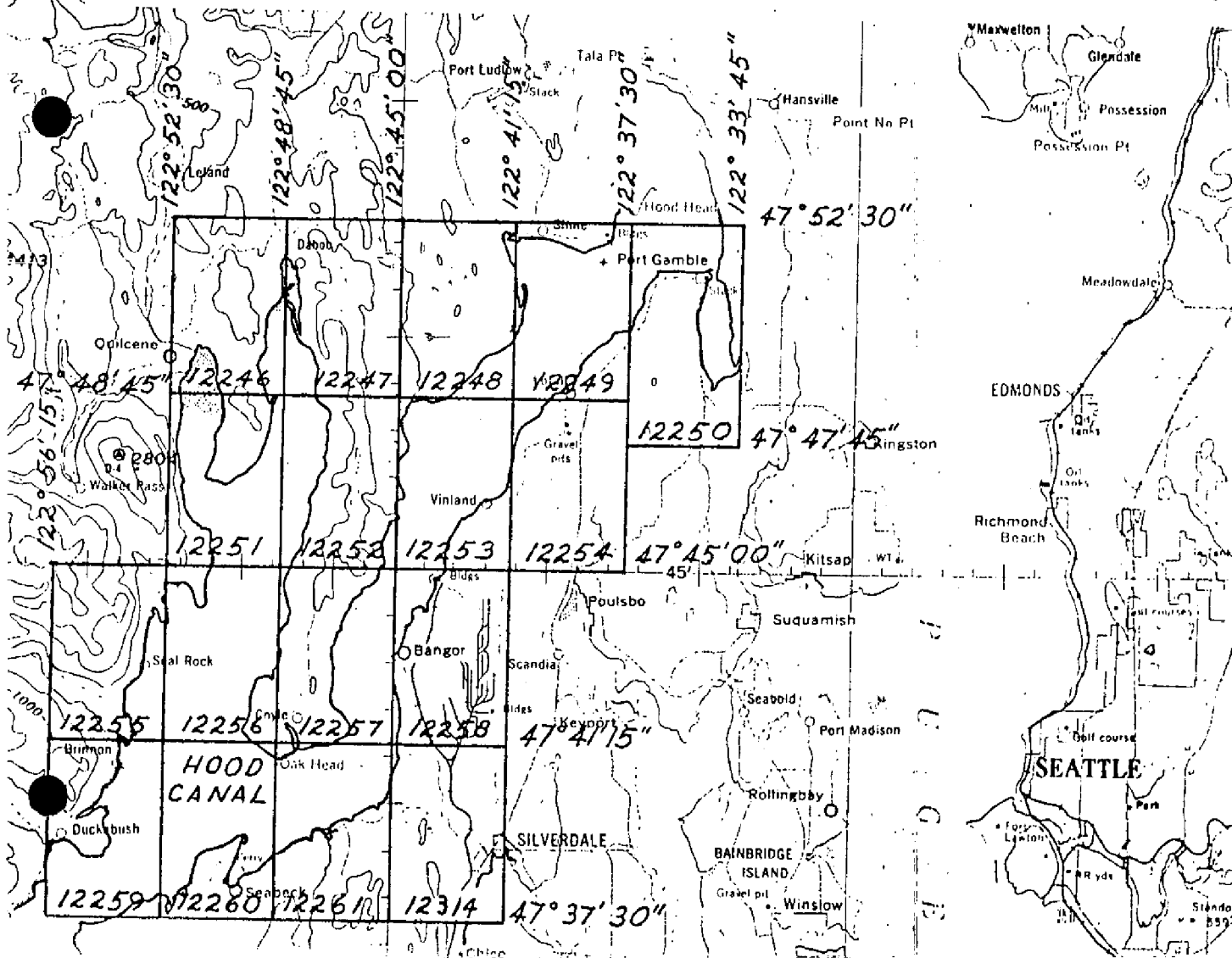
- 1) TTI (USGS) 1955
- 2) GRASS 2, 65
- 3) COMPUTER BLDG. (USN) 1961
- 4) PULALI 2, 1961
- 5) TABOOK Pt. LT. 1963
- 6) SYLOPAIN Pt. LT. 1963
- 7) QUATSAP 2, 1934
- 8) HOODS POINT, 1878



# 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	9
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	6	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.	JOB NO.	GEODETTIC DATUM		ORIGINATING ACTIVITY		REMARKS
		STATION NAME	SOURCE OF INFORMATION (Index)	AEROTRI-ANGULATION POINT NUMBER	COORDINATES IN FEET STATE Washington ZONE North	
I-12261	PH-6211					
Lonerock 1878	G.P. 1673 PC 358				x= 1,523,142.97 y= 247,893.11	φ 47°39'47.349" λ 122°46'07.121"
Oak Head Light 1963					x= 1,513,092.66 y= 255,015.72	φ 47°40'55.101" λ 122°48'36.570"
Maple 3, 1945					x= 1,519,432.97 y= 256,816.56	φ 47°41'14.465" λ 122°47'04.608"
					x=	φ
					y=	λ
					x=	φ
					y=	λ
					x=	φ
					y=	λ
					x=	φ
					y=	λ
					x=	φ
					y=	λ
					x=	φ
					y=	λ
COMPUTED BY		DATE	COMPUTATION CHECKED BY	DATE		DATE
LISTED BY J. Phillips		DATE 4/11/67	LISTING CHECKED BY M.C. Webber	DATE 4/11/67		DATE 4/11/67
HAND PLOTTING BY J. Phillips		DATE 4/11/67	HAND PLOTTING CHECKED BY M.C. Webber	DATE 4/11/67		DATE 4/11/67

COMPILATION REPORT  
T-12261

## 31. DELINEATION

This manuscript was compiled at 1:10,000 scale on the B-8 stereoplotter using panchromatic photography. Shoreline, alongshore, and foreshore details were delineated.

Models were set holding to bridge points. Pass points were dropped along the shoreline and in the interior for hydrographic signal location. Ratio prints of August 1965 photographs were prepared for photo hydro support. Photocenters were resected on the manuscript.

## 32. CONTROL

Aerotriangulation furnished the horizontal control which was adequate to control models and drop pass points for compilation. (See Aerotriangulation Report.) B-8 models were leveled on shoreline points.

## 33. SUPPLEMENTAL DATA - None.

## 34. CONTOURS AND DRAINAGE

Contours are inapplicable. Drainage was applied by office interpretation of the photographs.

## 35. SHORELINE AND ALONGSHORE DETAIL

Delineation of the shoreline was office interpreted by using computed tide values to determine the stage of tide at the time of photography. The shallow line was delineated by office interpretation of the photographs.

## 36. OFFSHORE DETAIL

Shadows from overhanging trees made delineation of rocks along the shoreline difficult and sometimes impossible.

## 37. LANDMARKS AND AIDS

There are no landmarks located on this manuscript. One navigational aid has been located.

## 38. CONTROL FOR FUTURE SURVEYS - None.

## 39. JUNCTIONS

Junctions were made to the North with T-12257, to the East with T-1234 and to the West with T-12260. There is no contemporary survey to the South.

## 40-45. Inapplicable.

## 46. COMPARISON WITH EXISTING MAPS

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

## 47. COMPARISON WITH NAUTICAL CHARTS

Comparison was made with Nautical Chart No. 6422, scale 1:25,000, 3rd edition, dated February 8, 1965, corrected to June 11, 1966.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY - None.

ITEMS TO BE CARRIED FORWARD - None.

Respectfully submitted  
M. C. Webber

Approved and Forwarded by:  
K.N. Maki  
Chief, Compilation Section

FIELD EDIT REPORT

HOOD CANAL AND DEBOB BAY, WASHINGTON

MARCH, APRIL 1969

PROJECT OPR - 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.

Sketch Book & Field Photo 21  
not found. Capt. 1090

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.

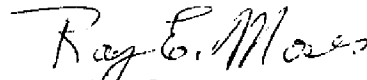
Tarboo Bay is dry, except for a shallow stream, and inaccessible at low water.

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-12261  
SHORELINE  
March 24, 1982

61. GENERAL STATEMENT

No accurate evaluation of the sketch shown on the discrepancy print for a change in the MHWL at approximately 47°39'55" latitude and 122°45'30" longitude could be determined. The angles given at the compiled shoreline were checked and agreed with the change made on the registered hydrographic survey (H-9036). It is a slide area, therefore the MHWL was compiled as approximate and labeled.

Three rocks were delineated just East of the slide area. They were not investigated during field edit and were carried forward on H-9036.

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 Hydrographic Survey H-9036 and it is in agreement with T-12261.

65. COMPARISON WITH NAUTICAL CHARTS

A comparison was made with Nautical Chart 18458, scale 1:25,000, 10th edition, dated August 15, 1981. No significant changes were noted.

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:  
Patrick Dempsey  
Final Reviewer



Approved:

Chief, Photogrammetric Branch

Chief, Photogrammetry Division



GEOGRAPHIC NAMES

FINAL NAME SHEET

PH-6211 (Hood Canal, Wash.)

T-12261

Anderson Creek

Big Beef Creek

Big Beef Harbor

*Fisherman Harbor - p.p.*

Hood Canal

Little Beef Creek

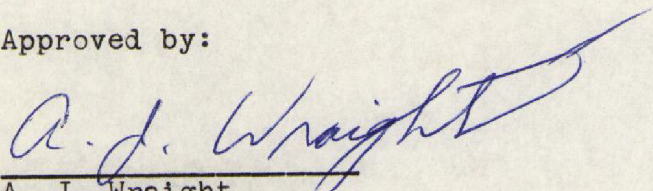
*Little Beef Harbor - p.p.*

Lone Rock

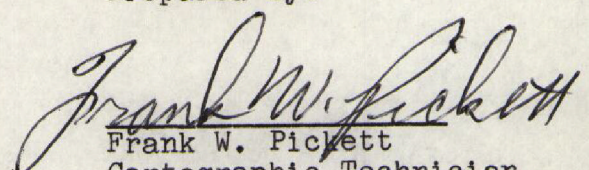
*Oak Head - p.p.*

Warrenville

Approved by:

  
A. J. Wraight  
Chief Geographer

Prepared by:

  
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



RESPONSIBLE PERSONNEL	
TYPE OF ACTION	NAME
OBJECTS INSPECTED FROM SEAWARD	<input type="checkbox"/> PHOTO FIELD PARTY <input type="checkbox"/> HYDROGRAPHIC PARTY <input type="checkbox"/> GEODETIC PARTY <input type="checkbox"/> OTHER (Specify)
POSITIONS DETERMINED AND/OR VERIFIED	FIELD ACTIVITY REPRESENTATIVE
FORMS ORIGINATED BY QUALITY CONTROL AND REVIEW GROUP AND FINAL REVIEW ACTIVITIES	<input type="checkbox"/> OFFICE ACTIVITY REPRESENTATIVE <input type="checkbox"/> REVIEWER <input type="checkbox"/> QUALITY CONTROL AND REVIEW GROUP REPRESENTATIVE
INSTRUCTIONS FOR ENTRIES UNDER 'METHOD AND DATE OF LOCATION' (Consult Photogrammetric Instructions No. 64.)	
<b>OFFICE</b> <b>I. OFFICE IDENTIFIED AND LOCATED OBJECTS</b> Enter the number and date (including month, day, and year) of the photograph used to identify and locate the object. EXAMPLE: 75E(C)6042 8-12-75	<b>FIELD (Cont'd)</b> <b>B. Photogrammetric field positions** require entry of method of location or verification, date of field work and number of the photograph used to locate or identify the object.</b> EXAMPLE: P-8-V 8-12-75 74L(C)2982
<b>FIELD</b> <b>I. NEW POSITION DETERMINED OR VERIFIED</b> Enter the applicable data by symbols as follows: F - Field L - Located V - Verified 1 - Triangulation 2 - Traverse 3 - Intersection 4 - Resection P - Photogrammetric Vis - Visually 5 - Field identified 6 - Theodolite 7 - Planetable 8 - Sextant A. Field positions* require entry of method of location and date of field work. EXAMPLE: F-2-6-L 8-12-75	<b>II. TRIANGULATION STATION RECOVERED</b> When a landmark or aid which is also a triangulation station is recovered, enter 'Triang. Rec.' with date of recovery. EXAMPLE: Triang. Rec. 8-12-75 <b>III. POSITION VERIFIED VISUALLY ON PHOTOGRAPH</b> Enter 'V-Vis.' and date. EXAMPLE: V-Vis. 8-12-75
*FIELD POSITIONS are determined by field observations based entirely upon ground survey methods. **PHOTOGRAMMETRIC FIELD POSITIONS are dependent entirely, or in part, upon control established by photogrammetric methods.	

