T-12251

T-12251

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-12251.....

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

LOCALITY

State ....Washington.....

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

Locality ....Dabob Bay.....

Whitney Point-Quilcene Bay.....

1962 TO 1969

REGISTRY IN ARCHIVES

DATE .....

☆ U.S. GOVERNMENT PRINTING OFFICE: 1973-761-776

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.

DESCRIPTIVE REPORT - DATA RECORD

TYPE OF SURVEY: [X] ORIGINAL [ ] RESURVEY [ ] REVISED

SURVEY TR-12251

MAP EDITION NO. (1)

MAP CLASS Field Edited

JOB PH-6211

PHOTOGRAMMETRIC OFFICE: Rockville, MD

OFFICER-IN-CHARGE: V. Ralph Sobieralski

LAST PRECEEDING MAP EDITION

TYPE OF SURVEY: [ ] ORIGINAL [ ] RESURVEY [ ] REVISED

JOB PH-

MAP CLASS

SURVEY DATES: 19__ TO 19__

I. INSTRUCTIONS DATED

1. OFFICE		2. FIELD
Original Office	June 15, 1964	Field - Feb. 5, 1963
Amendment No. 1	Nov.. 22, 1965	Field Supplemental Feb. 23, 1967
Amendment No. 2	Feb. 16, 1966	
Amendment No. 3	July 1, 1966	
Amendment No. 4	April 5, 1967	

II. DATUMS

1. HORIZONTAL: [X] 1927 NORTH AMERICAN — OTHER (Specify)

2. VERTICAL: [X] MEAN HIGH-WATER [ ] MEAN LOW-WATER [ ] MEAN LOWER LOW-WATER [ ] MEAN SEA LEVEL — OTHER (Specify)

3. MAP PROJECTION: Polyconic Projection

4. GRID(S): STATE: Washington; ZONE: North zone

5. SCALE: 1:10,000 — STATE; ZONE

III. HISTORY OF OFFICE OPERATIONS

OPERATIONS		NAME	DATE
1. AEROTRIANGULATION METHOD: C-8 Stereoplanigraph and Analytic	BY	J. Gerlach	Jan 1965
	LANDMARKS AND AIDS BY	J. Perrown	5/1/67
2. CONTROL AND BRIDGE POINTS METHOD: Hand Plot	PLOTTED BY	H. Lucas	Jun 1967
	CHECKED BY	J. Richter	June 1967
3. STEREOSCOPIC INSTRUMENT COMPILATION	PLANIMETRY BY	H. Lucas	June 1967
	CHECKED BY	K. Maki	June 1967
INSTRUMENT: Wild B-8 Stereoplotter	CONTOURS BY	N/A	
SCALE: 1:30,000	CHECKED BY	N/A	
4. MANUSCRIPT DELINEATION	PLANIMETRY BY	H. Lucas	June 1967
	CHECKED BY	K. Maki	June 1967
METHOD: Graphic B-8 Worksheets	CONTOURS BY	N/A	
	CHECKED BY	N/A	
	HYDRO SUPPORT DATA BY	H. Lucas	June 1967
SCALE: 1:10,000	CHECKED BY	P. Dempsey	Oct. 1976
5. OFFICE INSPECTION PRIOR TO FIELD EDIT	BY	K. Maki	June 1967
6. APPLICATION OF FIELD EDIT DATA	BY	J. Richter	April 1972
	CHECKED BY	P. Dempsey	Oct. 1976
7. COMPILATION SECTION REVIEW	BY	P. Dempsey	Oct. 1976
8. FINAL REVIEW	BY	P. Dempsey	Aug. 1981
9. DATA FORWARDED TO PHOTOGRAMMETRIC BRANCH	BY		
10. DATA EXAMINED IN PHOTOGRAMMETRIC BRANCH	BY		
11. MAP REGISTERED - COASTAL SURVEY SECTION	BY	H D Wolfe	MAR 10 1983

NOAA FORM 76-36A — SUPERSEDES FORM C&GS 181 SERIES

Chief, Photogrammetry U

U.S.G.P.O. 1972-769382/582 REG.#6

NOAA FORM 76-36B
(3-72)

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

COMPILATION SOURCES

T-12251

1. COMPILATION PHOTOGRAPHY

CAMERA(S): Wild RC-8 "G" Focal Length

TIDE STAGE REFERENCE
- [XX] PREDICTED TIDES
- [ ] REFERENCE STATION RECORDS
- [ ] TIDE CONTROLLED PHOTOGRAPHY

TYPES OF PHOTOGRAPHY LEGEND
- (C) COLOR
- (P) PANCHROMATIC
- (I) INFRARED

TIME REFERENCE
ZONE: Pacific [ ] STANDARD
MERIDIAN: 105th [X] DAYLIGHT

NUMBER AND TYPE	DATE	TIME	SCALE	STAGE OF TIDE
62-W-5383	7 Jun 62	11:00	1:30,000	3.9 Above MLW
5385	"	"	"	"
5387	"	"	"	"
5389	"	"	"	"

REMARKS

2. SOURCE OF MEAN HIGH-WATER LINE:

Office interpreted from computed tide values which determined the stage of tide at the time of photography.

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

There is no MLLW line 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-12246	T-12252	T-12256	No contemporary Survey

REMARKS

* U. S. GOVERNMENT PRINTING OFFICE: 1974-768-078

NOAA FORM 76-36C
(3-72)

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

HISTORY OF FIELD OPERATIONS

T-12251

I. [X] FIELD INSPECTION OPERATION [ ] FIELD EDIT OPERATION.

OPERATION		NAME	DATE
1. CHIEF OF FIELD PARTY		R.B. Melby	May 1963
2. HORIZONTAL CONTROL	RECOVERED BY	R.B. Melby	May 1963
	ESTABLISHED BY		
	PRE-MARKED OR IDENTIFIED BY	R.B. Melby	May 1963
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	TYPE OF INVESTIGATION [ ] COMPLETE [ ] SPECIFIC NAMES ONLY [X] NO INVESTIGATION — BY		
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

One station

PHOTO NUMBER	STATION NAME
62W5069	Computer Bldg. (USN) 1961

2. VERTICAL CONTROL IDENTIFIED

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 [X] NONE

6. BOUNDARY AND LIMITS: [ ] REPORT [X] NONE

7. SUPPLEMENTAL MAPS AND PLANS

None

8. OTHER FIELD RECORDS (*Sketch books, etc.* DO NOT *list data submitted to the Geodesy Division*)

None

*U.S. GOVERNMENT PRINTING OFFICE: 1974 - 768-078

NOAA FORM 76-36C
(3-72)

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

HISTORY OF FIELD OPERATIONS

T-12251

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	R. E. Moses	April 1969
	LOCATED *(Field Methods)* BY	R. E. Moses	April 1969
	IDENTIFIED BY	R. E. Moses	April 1969
5. GEOGRAPHIC NAMES INVESTIGATION	TYPE OF INVESTIGATION ☐ COMPLETE ☐ SPECIFIC NAMES ONLY ☒ NO INVESTIGATION — BY		
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

PHOTO NUMBER	STATION NAME

2. VERTICAL CONTROL IDENTIFIED

PHOTO NUMBER	STATION DESIGNATION

3. PHOTO NUMBERS *(Clarification of details)*

4. LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED

One landmark and two aids to navigation

PHOTO NUMBER	OBJECT NAME
62W5386 Triang, Triang.	N. E. corner large white bldg. Whitney Point Warning Light,1963 Dabob Bay Dolphin Antenna, 1961

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

*U.S. GOVERNMENT PRINTING OFFICE: 1974 - 768-078

NOAA FORM 76-36D
(3-72)

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

RECORD OF SURVEY USE

T-12251

I. MANUSCRIPT COPIES

COMPILATION STAGES			DATE MANUSCRIPT FORWARDED	
DATA COMPILED	DATE	REMARKS	MARINE CHARTS	HYDRO SUPPORT
Shoreline, photo-hydro support points	June 1967			June 1967
Field edit applied	April 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:
4. ☐ DATA TO FEDERAL RECORDS CENTER. DATE FORWARDED: 11/82

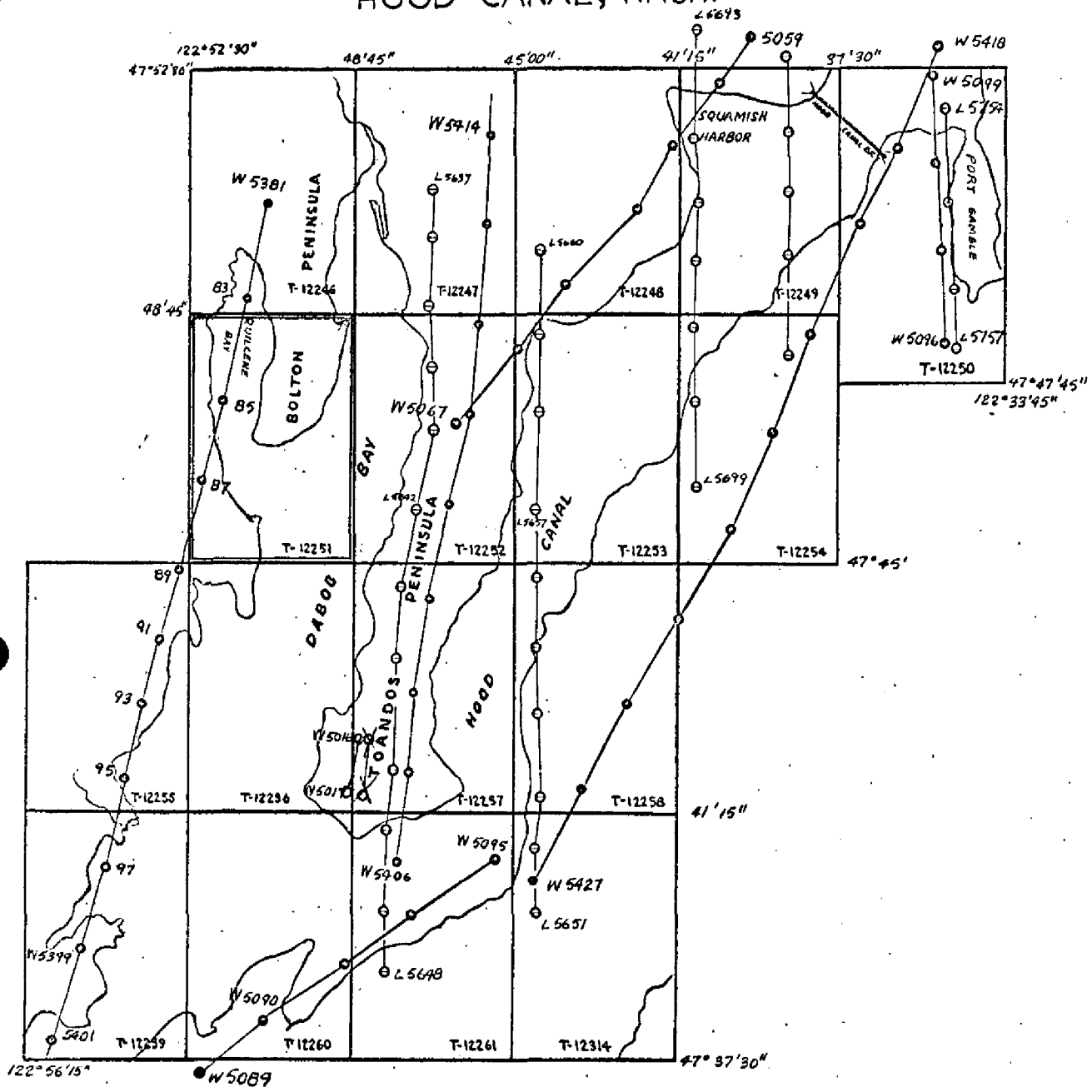
IV. SURVEY EDITIONS *(This section shall be completed each time a new map edition is registered)*

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

NOAA FORM 76-36D

☆U. S. GOVERNMENT PRINTING OFFICE: 1973--778075/1077 REGION NO. 6

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-12251

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 un determined. 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 indentification 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 mentbd.

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 LONE ROCK

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

Sheet T-12314

No station were identifed 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 previoubly located by triangulation were located by triangulation or traverse methods at this time.

Respectfully submitted

Robt. 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.

Submitted by:

John D. Perrow, Jr.

Approved by:

Henry P. Eichert

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

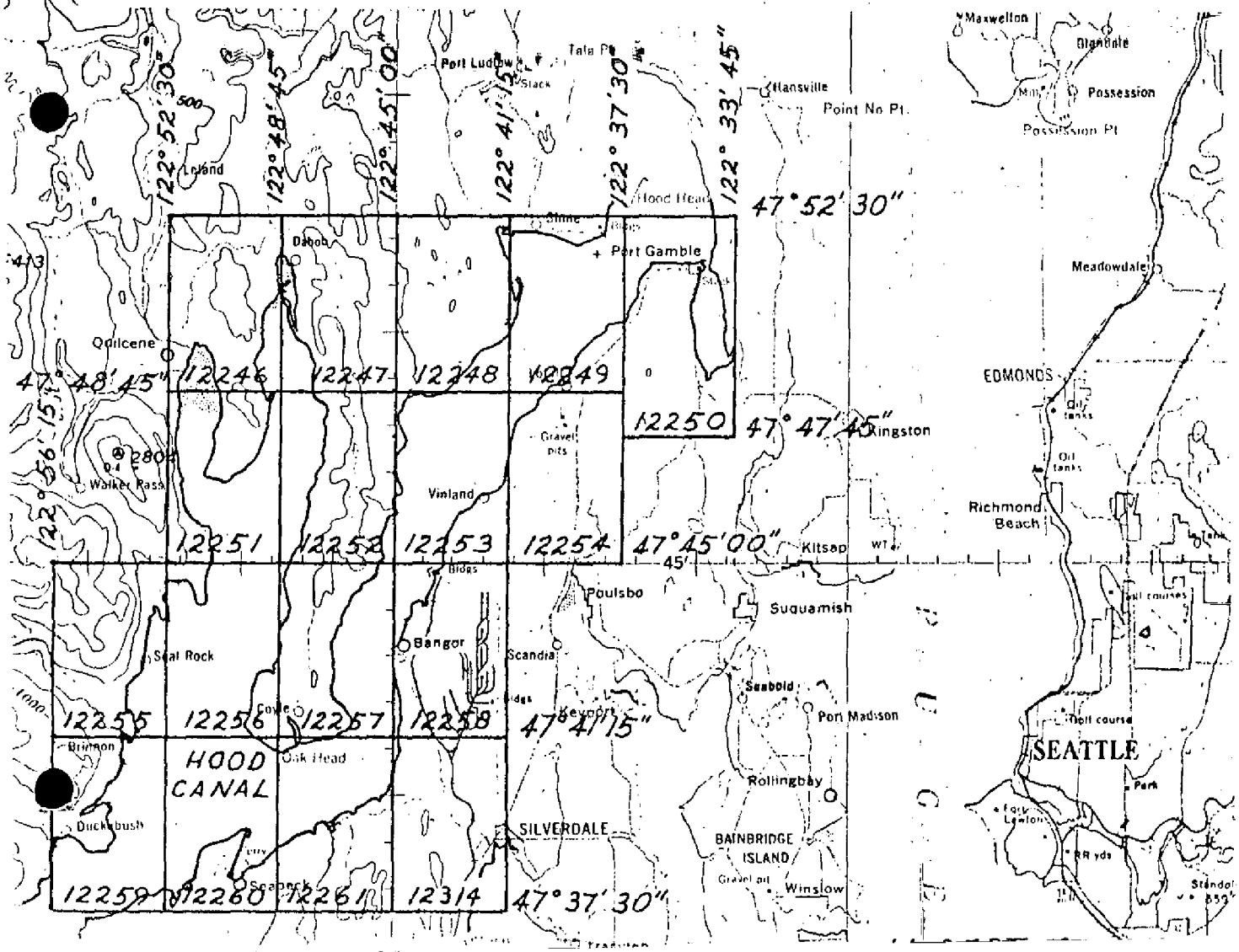
Approved by:

John D. Perrow, Jr.

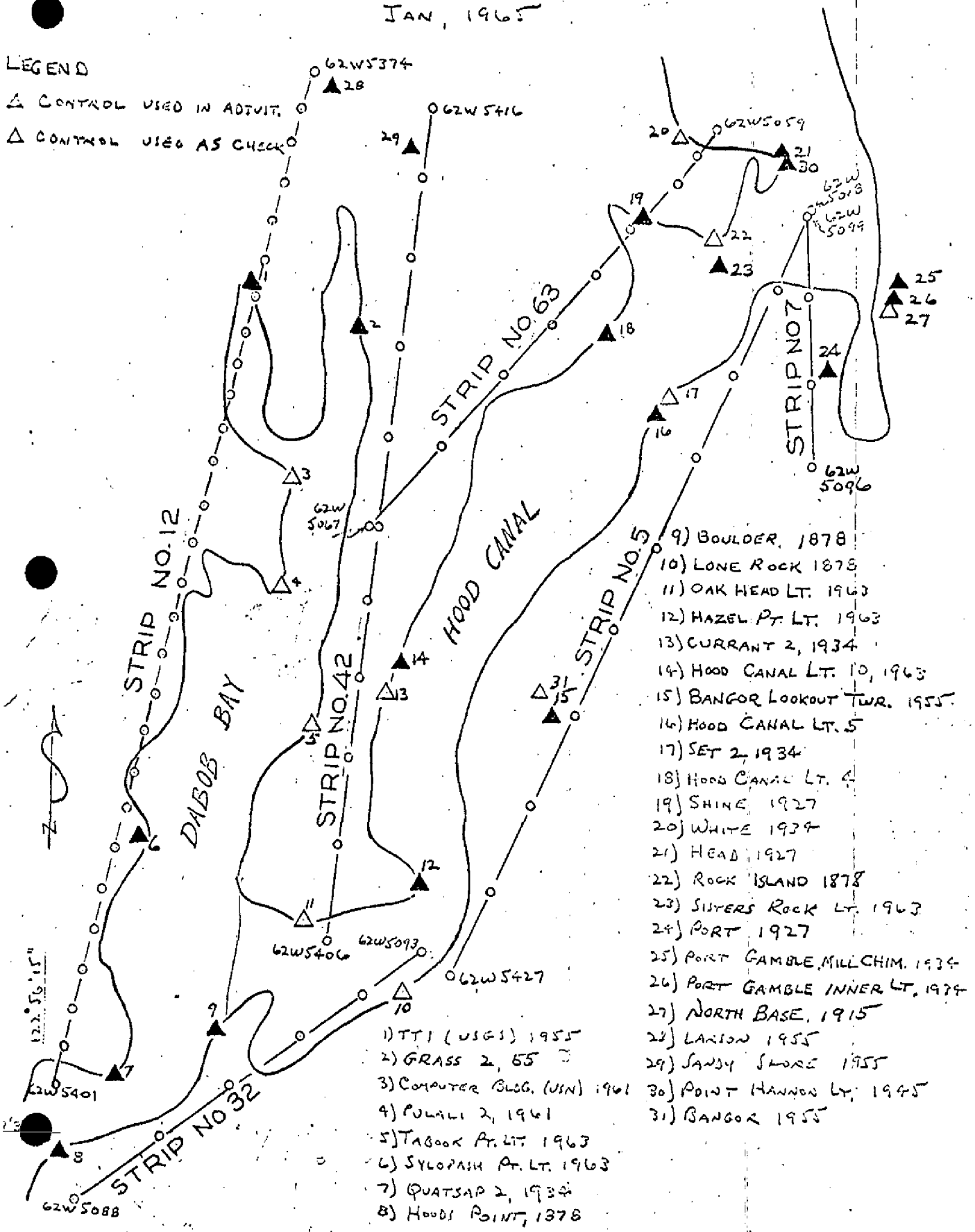
PROJECT PH-6211
SHORELINE MAPPING

WASHINGTON
HOOD CANAL
SCALE 1:10,000

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	6	12261	6	6
12253	3	8	12314	11	4
12254	13	2	TOTALS	129	130



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



1) TTI (USGS) 1955
2) GRASS 2, 65
3) COMPUTER BLDG. (USN) 1961
4) PULALI 2, 1961
5) TABOOK PT. LT. 1963
6) SYLOPASH PT. LT. 1963
7) QUATSAP 2, 1934
8) HOODS POINT, 1878
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 1934
21) HEAD 1927
22) ROCK ISLAND 1878
23) SISTERS ROCK LT. 1963
24) PORT 1927
25) PORT GAMBLE, MILLCHIM. 1934
26) PORT GAMBLE INNER LT. 1934
27) NORTH BASE, 1915
28) LANSON 1955
29) SANDY SHORE 1955
30) POINT HANNON LT. 1945
31) BANGOR 1955

NOAA FORM 76-41
(6-75)

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

DESCRIPTIVE REPORT CONTROL RECORD

MAP NO.	JOB NO.	GEODETIC DATUM	ORIGINATING ACTIVITY
T-12251	PH-6211	N.A. 1927	Rockville, MD

STATION NAME	SOURCE OF INFORMATION (Index)	AEROTRI-ANGULATION POINT NUMBER	COORDINATES IN FEET STATE Washington ZONE North	GEOGRAPHIC POSITION φ LATITUDE λ LONGITUDE	REMARKS
Dabob Bay Dolphin Antenna, 1961	Horizontal Control Data Pg. 171		x= 1,511,321.08 y= 293,404.72	φ 49°47'13.40" λ 122°49'16.94"	
Dabob Bay Range Marker, 1961	Pg. 171		x= 1,511,638.20 y= 294,805.10	φ 47°47'27.30" λ 122°47'12.83"	
Computer Bldg. (USN) 1961	Pg. 152		x= 1,504,207.64 y= 283,746.05	φ 47°45'36.28" λ 122°50'57.37"	
Whitney Point Warning Light Tower 1963	Pg. 428		x= 1,504,148.63 y= 284,176.96	φ 47°45'40.52" λ 122°50'58.40"	
			x= y=	φ λ	
			x= y=	φ λ	
			x= y=	φ λ	
			x= y=	φ λ	
			x= y=	φ λ	
			x= y=	φ λ	

COMPUTED BY	J. Perrow	DATE	June 1964	COMPUTATION CHECKED BY	J. Gerlach	DATE	June 1964
LISTED BY		DATE		LISTING CHECKED BY		DATE	
HAND PLOTTING BY	H. Lucas	DATE	June 1967	HAND PLOTTING CHECKED BY	J. Richter	DATE	June 1967

SUPERSEDES NOAA FORM 76-41, 2-71 EDITION WHICH IS OBSOLETE.

COMPILATION REPORT
T-12251

31. DELINEATION

The Wild B-8 stereoplotter was used to compile the work sheets for this manuscript.

Ratio photographs at scale 1:10,000 were also used during compilation. Several objects that appeared in the B-8 models on map manuscript T-12251 in Quilcene Bay and Dabob Bay could not be identified by photointerpretation.

These objects have been plotted from stereomodels and appear as dashed line circles on the map manuscript.

During field inspection or edit, it is requested that these objects be identified and positions verified. These objects have been scaled from the map manuscript, and their positions appear below:

West Buoy Y = 289,770 Ft., X = 1,504,340 Ft.
Lat. 47°46'35.7", Long. 122°50'57.8"

East Buoy Y = 289,810 Ft., X = 1,509,450 Ft. (420 ft. to shoreline)
Lat. 47°46'36.1", Long. 122°50'56.3"

Object near fisherman's Pt.
Y = 293,140 Ft., X = 1,503,950 Ft.
Lat. 47°47'08.9", Long. 122°51'04.8"

Object near Lindsays Beach
Y = 296,070 Ft., X = 1,512,190 Ft. (80 ft. to shoreline)
Lat. 47°49'05.0", Long. 122°47'39.9"

32. CONTROL

Bridge points were furnished by the Aerotriangulation Section (see Photogrammetric Report, Part III) for control. B-8 models were leveled using Geological Survey quads for vertical control.

33. SUPPLEMENTAL DATA

None

34. CONTOURS AND DRAINAGE

Contours inapplicable. Interior drainage was limited to a few larger streams along the shoreline.

35. SHORELINE AND ALONGSHORE DETAILS

Shoreline and alongshore details were delineated by office interpretation from the photographs and computed tides.

36. OFFSHORE DETAILS

See 35.

37. LANDMARKS AND AIDS

Form 76-40 was submitted for two nonfloating aids, dated June 20, 1963. One landmark form 76-40.

38. CONTROL FOR FUTURE SURVEYS

None

39. JUNCTIONS

Junctions have been made with adjoining maps and all junctions are in agreement.

40. HORIZONTAL AND VERTICAL ACCURACY

All manuscripts in this project comply with the National Standards of Accuracy.

41 Thru 45. Inapplicable

46. COMPARISON WITH EXISTING MAPS

U.S. Geological Survey quadrangle Quilcene, Wash., Scale 1:24,000, dated 1954.

47. COMPARISON WITH NAUTICAL CHARTS

A comparison was made with nautical charts 6422, 3rd edition, corrected to 2/8/65 and 6450, 13th edition, corrected to 8/8/66.

Items to be Applied to Nautical Charts Immediately - None

Items to be Carried Forwarded - None

48. GEOGRAPHIC NAME LIST

See Item 48 Attached sheet, Geographic Names.

Submitted by

Henri Lucas

Approved:

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 throughly. 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-~~1~~2-69.

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 areais 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 [illegible] 22

SHEET T-12246:

Refer to Sheet DA-10-3-69, Photo 62M5383, 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 62M5383.

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:

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

REVIEW REPORT
T-12251
SHORELINE

AUGUST 10, 1981

61. GENERAL STATEMENT

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

See the included summary for this final Class I map.

62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS

N/A

63. COMPARISON WITH MAPS OF OTHER AGENCIES

N/A

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS

A comparison was made with smooth sheet H-9038. The hydrographic survey used parts of the manuscript's foreshore line as their MLLW line. The rest of the surveys are in agreement.

65. COMPARISON WITH NAUTICAL CHARTS

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

P. Dempsey
Final Reviewer

Approved:

Chief, Photogrammetric Branch

Chief, Photogrammetry Division

GEOGRAPHIC NAMES

FINAL NAME SHEET

PH-6211 (Hood Canal, Wash.)

T-12251

Bees Mill

Bolton Peninsula

Broad Spit

Dabob Bay

Fishermans Point

Frenchmans Point

Lindsays Beach

Quilcene Bay

Quilcene Boat Haven

Red Bluff

Whitney Point

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

NOAA FORM 76-40
(8-74)

Replaces C&GS Form 567.

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

NONFLOATING AIDS OR LANDMARKS FOR CHARTS

ORIGINATING ACTIVITY
- ☐ HYDROGRAPHIC PARTY
- ☐ GEODETIC PARTY
- ☐ PHOTO FIELD PARTY
- ☒ COMPILATION ACTIVITY
- ☐ FINAL REVIEWER
- ☐ QUALITY CONTROL & REVIEW GRP.
- ☐ COAST PILOT BRANCH

(See reverse for responsible personnel)

☒ TO BE CHARTED
☐ TO BE REVISED
☐ TO BE DELETED

REPORTING UNIT (Field Party, Ship or Office)	STATE	LOCALITY	DATE
Rockville, MD	Washington	Hood Canal	6/67

The following objects HAVE ☒ HAVE NOT ☐ been inspected from seaward to determine their value as landmarks.

OPR PROJECT NO.	JOB NUMBER	SURVEY NUMBER	DATUM
	PH-6211	T-12251	N.A. 1927

CHARTING NAME	DESCRIPTION (Record reason for deletion of landmark or aid to navigation. Show triangulation station names, where applicable, in parentheses)	POSITION LATITUDE ° ′	LATITUDE ″ D.M. Meters	POSITION LONGITUDE ° ′	LONGITUDE ″ D.P. Meters	METHOD AND DATE OF LOCATION (See instructions on reverse side) OFFICE	FIELD	CHARTS AFFECTED
N.E. Corner Building	North East Corner large White Building	47°45'	42.2	122°50'	58.5		P-5 6/20/63	6422 6450

RESPONSIBLE PERSONNEL		
TYPE OF ACTION	**NAME**	**ORIGINATOR**
OBJECTS INSPECTED FROM SEAWARD		☐ PHOTO FIELD PARTY ☐ HYDROGRAPHIC PARTY ☐ GEODETIC PARTY ☐ OTHER *(Specify)*
POSITIONS DETERMINED AND/OR VERIFIED		FIELD ACTIVITY REPRESENTATIVE
		OFFICE ACTIVITY REPRESENTATIVE
FORMS ORIGINATED BY QUALITY CONTROL AND REVIEW GROUP AND FINAL REVIEW ACTIVITIES		☐ REVIEWER ☐ QUALITY CONTROL AND REVIEW GROUP REPRESENTATIVE

INSTRUCTIONS FOR ENTRIES UNDER 'METHOD AND DATE OF LOCATION'

(Consult Photogrammetric Instructions No. 64,

OFFICE

I. OFFICE IDENTIFIED AND LOCATED OBJECTS
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

FIELD

I. NEW POSITION DETERMINED OR VERIFIED
Enter the applicable data by symbols as follows:

F - Field	P - Photogrammetric
L - Located	Vis - Visually
V - Verified	
1 - Triangulation	5 - Field identified
2 - Traverse	6 - Theodolite
3 - Intersection	7 - Planetable
4 - Resection	8 - Sextant

A. Field positions* require entry of method of location and date of field work.
EXAMPLE: F-2-6-L
8-12-75

*FIELD POSITIONS are determined by field observations based entirely upon ground survey methods.

FIELD (Cont'd)

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.
EXAMPLE: P-8-V
8-12-75
74L(C)2982

II. TRIANGULATION STATION RECOVERED
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

III. POSITION VERIFIED VISUALLY ON PHOTOGRAPH
Enter 'V-Vis.' and date.
EXAMPLE: V-Vis.
8-12-75

**PHOTOGRAMMETRIC FIELD POSITIONS are dependent entirely, or in part, upon control established by photogrammetric methods.

☆ U.S. GOVERNMENT PRINTING OFFICE: 1974-665-073/1030 Region 6

NOAA FORM 76-40
(8-74)

Replaces C&GS Form 567.

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

NONFLOATING AIDS OR LANDMARKS FOR CHARTS

ORIGINATING ACTIVITY
- ☐ HYDROGRAPHIC PARTY
- ☐ GEODETIC PARTY
- ☐ PHOTO FIELD PARTY
- ☒ COMPILATION ACTIVITY
- ☐ FINAL REVIEWER
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- ☐ COAST PILOT BRANCH

(See reverse for responsible personnel)

☒ TO BE CHARTED
☐ TO BE REVISED
☐ TO BE DELETED

REPORTING UNIT (Field Party, Ship or Office)	STATE	LOCALITY	DATE
Rockville, MD	Washington	Hood Canal	6/67

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Light	Whitney Point Warning Light Tower, 1963	47°45'	40.518	122 50	58.39		Triang. Dec. 5/23/63	6422 6450
Marker	Dabob Bay Dolphin Antenna 1961	47°47'	13.40	122 49	16.94		Triang. Dec. 5/23/63	6422 6450

RESPONSIBLE PERSONNEL		
TYPE OF ACTION	**NAME**	**ORIGINATOR**
OBJECTS INSPECTED FROM SEAWARD		☐ PHOTO FIELD PARTY ☐ HYDROGRAPHIC PARTY ☐ GEODETIC PARTY ☐ OTHER *(Specify)*
POSITIONS DETERMINED AND/OR VERIFIED		FIELD ACTIVITY REPRESENTATIVE
		OFFICE ACTIVITY REPRESENTATIVE
FORMS ORIGINATED BY QUALITY CONTROL AND REVIEW GROUP AND FINAL REVIEW ACTIVITIES		☐ REVIEWER ☐ QUALITY CONTROL AND REVIEW GROUP REPRESENTATIVE

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EXAMPLE: F-2-6-L
8-12-75

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FIELD (Cont'd)

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.

EXAMPLE: P-8-V
8-12-75
74L(C)2982

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8-12-75

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EXAMPLE: V-Vis.
8-12-75

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☆ U.S. GOVERNMENT PRINTING OFFICE: 1974-665-073/1030 Region 6

FORM C&GS-8352
(3-25-63)

NAUTICAL CHART DIVISION

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
			Drawing No.
			Full Part Before After Verification Review Inspection Signed Via
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