

TP-00365

TP-00365

NOAA FORM 76-35

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

### DESCRIPTIVE REPORT

Shoreline

Type of Survey .....

Job No. ..PH-7110..... Map No. .TP-00365...

Classification No. .... Edition No. ...1.....

Final Field Edited Map

### LOCALITY

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

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

Locality ..... McDaniel Cove .....

1971 TO 1972

### REGISTRY IN ARCHIVES

DATE .....

NOAA FORM 76-36A (3-72)		U. S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMIN.		TYPE OF SURVEY		SURVEY TP. 00365	
DESCRIPTIVE REPORT - DATA RECORD				<input checked="" type="checkbox"/> ORIGINAL		MAP EDITION NO. (1)	
				<input type="checkbox"/> RESURVEY		MAP CLASS Final	
PHOTOGRAMMETRIC OFFICE Coastal Mapping Division Norfolk, Va.				<input type="checkbox"/> REVISED		JOB PH. _____	
				OFFICER-IN-CHARGE  Jeffrey G. Carlen, CDR			
				TYPE OF SURVEY		JOB PH. _____	
				<input type="checkbox"/> ORIGINAL		MAP CLASS _____	
				<input type="checkbox"/> RESURVEY		SURVEY DATES:	
				<input type="checkbox"/> REVISED		19__ TO 19__	
I. INSTRUCTIONS DATED							
1. OFFICE				2. FIELD			
Aerotriangulation Compilation				Field			
July 15, 1971 December 13, 1971				April 30, 1971			
II. DATUMS							
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				4. GRID(S)			
Polyconic				STATE Washington		ZONE South	
5. SCALE 1:10,000				STATE		ZONE	
III. HISTORY OF OFFICE OPERATIONS							
OPERATIONS				NAME		DATE	
1. AEROTRIANGULATION BY D. Norman						Nov 1971	
METHOD: Analytical LANDMARKS AND AIDS BY							
2. CONTROL AND BRIDGE POINTS PLOTTED BY D. Phillips						Dec 1971	
METHOD: Coradomat CHECKED BY D. Phillips						Dec 1971	
3. STEREOSCOPIC INSTRUMENT PLANIMETRY BY A. L. Shands						Jan 1972	
COMPILATION CHECKED BY L. O. Neterer						Jan 1972	
INSTRUMENT: Wild B-8				CONTOURS BY NA			
SCALE: 1:15,000				CHECKED BY NA			
4. MANUSCRIPT DELINEATION PLANIMETRY BY TJ Bulfer						Jan 1972	
METHOD: Smooth drafted CHECKED BY R. Pate						Jan 1972	
SCALE: 1:10,000				CONTOURS BY NA			
HYDRO SUPPORT DATA BY T. J. Bulfer						Jan 1972	
CHECKED BY R. J. Pate						Jan 1972	
5. OFFICE INSPECTION PRIOR TO FIELD EDIT BY R. J. Pate						Jan 1972	
6. APPLICATION OF FIELD EDIT DATA BY R. R. White						May 1974	
CHECKED BY A. L. Shands						May 1974	
7. COMPILATION SECTION REVIEW BY A. L. Shands						May 1974	
8. FINAL REVIEW BY C. Blood						Aug 1988	
9. DATA FORWARDED TO PHOTOGRAMMETRIC BRANCH BY J. Byrd						Sep 1988	
10. DATA EXAMINED IN PHOTOGRAMMETRIC BRANCH BY P. Dempsey						Jan 1989	
11. MAP REGISTERED - COASTAL SURVEY SECTION BY J. Rivoli						Mar 1979	

TP-00365

COMPILATION SOURCES

1. COMPILATION PHOTOGRAPHY

CAMERA(S) Wild RC-8 "E" FL = 152.71mm		TYPES OF PHOTOGRAPHY LEGEND		TIME REFERENCE	
TIDE STAGE REFERENCE <input checked="" type="checkbox"/> PREDICTED TIDES <input type="checkbox"/> REFERENCE STATION RECORDS <input type="checkbox"/> TIDE CONTROLLED PHOTOGRAPHY		(C) COLOR (P) PANCHROMATIC (I) INFRARED		ZONE Pacific MERIDIAN 120th	
<input checked="" type="checkbox"/> STANDARD <input type="checkbox"/> DAYLIGHT					
NUMBER AND TYPE	DATE	TIME	SCALE	STAGE OF TIDE	
71 E(C) 4214-4219	5/2/71	20:52	1:20,000	5.2 ft. above MLLW	
71 E(C) 4255-4256	5/2/71	21:10	1:20,000	4.8 ft. above MLLW	
*71 E(C) 4040-4044	5/2/71	10:35	1:30,000	7.7 ft. above MLLW	

REMARKS  
\*Compilation photographs

2. SOURCE OF MEAN HIGH-WATER LINE:  
  
The mean high-water line was delineated from the listed compilation photographs.

3. SOURCE OF ~~MEAN HIGH-WATER LINE~~ MEAN LOWER LOW-WATER LINE:  
  
None compiled.

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-12259 PH-6211	TP-00381	TP-00366 & TP-00367	No Survey

REMARKS

HISTORY OF FIELD OPERATIONS

I.  FIELD INSPECTION OPERATION  FIELD EDIT OPERATION

OPERATION	NAME	DATE
1. CHIEF OF FIELD PARTY	R. B. Melby	Apr 1971
2. HORIZONTAL CONTROL	RECOVERED BY R. B. Melby	Apr 1971
	ESTABLISHED BY R. B. Melby	Apr 1971
	PRE-MARKED OR IDENTIFIED BY L. L. Riggers	Apr 1971
3. VERTICAL CONTROL	RECOVERED BY NA	
	ESTABLISHED BY NA	
	PRE-MARKED OR IDENTIFIED BY NA	
4. LANDMARKS AND AIDS TO NAVIGATION	RECOVERED ( <i>Triangulation Stations</i> ) BY None	
	LOCATED ( <i>Field Methods</i> ) BY None	
	IDENTIFIED BY None	
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 None	
7. BOUNDARIES AND LIMITS	SURVEYED OR IDENTIFIED BY NA	

II. SOURCE DATA

1. HORIZONTAL CONTROL IDENTIFIED		2. VERTICAL CONTROL IDENTIFIED	
		NA	
PHOTO NUMBER	STATION NAME	PHOTO NUMBER	STATION DESIGNATION
71E(C) 4040	TEKIU 3, 1971		

3. PHOTO NUMBERS (*Clarification of details*)  
None

4. LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED  
None

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*)  
1-Form 152

TP-00365

**HISTORY OF FIELD OPERATIONS**

I.  FIELD INSPECTION OPERATION  FIELD EDIT OPERATION

OPERATION	NAME	DATE
1. CHIEF OF FIELD PARTY	G. Poor	May 1972
2. HORIZONTAL CONTROL	RECOVERED BY	None
	ESTABLISHED BY	None
	PRE-MARKED OR IDENTIFIED BY	None
3. VERTICAL CONTROL	RECOVERED BY	NA
	ESTABLISHED BY	NA
	PRE-MARKED OR IDENTIFIED BY	NA
4. LANDMARKS AND AIDS TO NAVIGATION	RECOVERED ( <i>Triangulation Stations</i> ) BY	None
	LOCATED ( <i>Field Methods</i> ) BY	None
	IDENTIFIED BY	None
5. GEOGRAPHIC NAMES INVESTIGATION	TYPE OF INVESTIGATION	
	<input type="checkbox"/> COMPLETE BY	
	<input type="checkbox"/> SPECIFIC NAMES ONLY BY	
<input checked="" type="checkbox"/> NO INVESTIGATION		
6. PHOTO INSPECTION	CLARIFICATION OF DETAILS BY	S. Birkey
7. BOUNDARIES AND LIMITS	SURVEYED OR IDENTIFIED BY	NA

II. SOURCE DATA

1. HORIZONTAL CONTROL IDENTIFIED		2. VERTICAL CONTROL IDENTIFIED	
None		NA	
PHOTO NUMBER	STATION NAME	PHOTO NUMBER	STATION DESIGNATION

3. PHOTO NUMBERS (*Clarification of details*)  
71E(C) 4214-4219, 71E(C) 4200, 71E(C) 4255

4. LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED  
None

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*)  
Field Edit Ozalid, Field edit report, Hydro Signal Overlay

I. MANUSCRIPT COPIES			DATE MANUSCRIPT FORWARDED	
COMPILATION STAGES			MARINE CHARTS	HYDRO SUPPORT
DATA COMPILED	DATE	REMARKS		
Compilation complete pending field edit	1/18/72	Class III Map	2/25/72	2/23/72
Field Edit applied	5/74	Class I Map	8/24/83	
Final Review	8/88	Final		

II. LANDMARKS AND AIDS TO NAVIGATION None

1. REPORTS TO MARINE CHART DIVISION, NAUTICAL DATA BRANCH

NUMBER	CHART LETTER NUMBER ASSIGNED	DATE FORWARDED	REMARKS

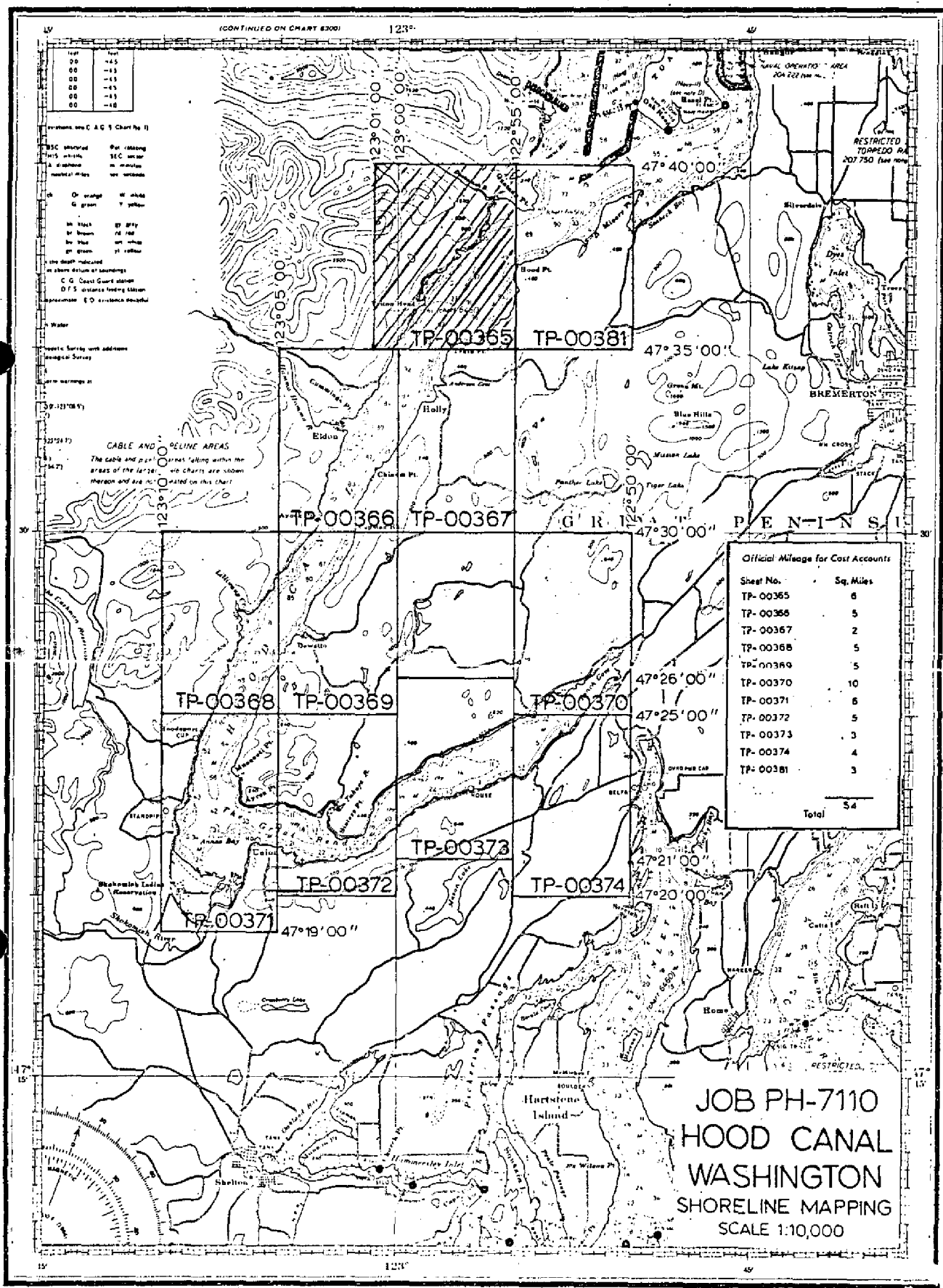
2.  REPORT TO MARINE CHART DIVISION, COAST PILOT BRANCH. DATE FORWARDED: \_\_\_\_\_  
 3.  REPORT TO AERONAUTICAL CHART DIVISION, AERONAUTICAL DATA SECTION. DATE FORWARDED: \_\_\_\_\_

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: \_\_\_\_\_

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
	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 TP - _____ (3)	JOB NUMBER PH - _____	TYPE OF SURVEY <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 TP - _____ (4)	JOB NUMBER PH - _____	TYPE OF SURVEY <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



00	+45
00	+13
00	+11
00	+10
00	+10
00	+10
00	+10

Reference to C & G T Chart No. 11

BSC (shaded) Red (shaded)  
 100' (shaded) 100' (shaded)  
 A (shaded) 100' (shaded)  
 100' (shaded) 100' (shaded)

10' (orange) 10' (shaded)  
 10' (green) 10' (yellow)

10' (black) 10' (grey)  
 10' (brown) 10' (red)  
 10' (blue) 10' (white)  
 10' (cyan) 10' (yellow)

10' (shaded) 10' (shaded)  
 10' (shaded) 10' (shaded)  
 10' (shaded) 10' (shaded)  
 10' (shaded) 10' (shaded)

10' (shaded) 10' (shaded)  
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Water

10' (shaded) 10' (shaded)  
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 10' (shaded) 10' (shaded)  
 10' (shaded) 10' (shaded)  
 10' (shaded) 10' (shaded)

CABLE AND PELINE AREAS  
 The cable and peline areas of the chart are shown in black and red on this chart.

Official Mileage for Cost Accounts

Sheet No.	Sq. Miles
TP-00365	6
TP-00366	5
TP-00367	2
TP-00368	5
TP-00369	5
TP-00370	10
TP-00371	6
TP-00372	5
TP-00373	3
TP-00374	4
TP-00381	3
<b>Total</b>	<b>54</b>

JOB PH-7110  
 HOOD CANAL  
 WASHINGTON  
 SHORELINE MAPPING  
 SCALE 1:10,000

SUMMARY TO ACCOMPANY  
DESCRIPTIVE REPORT

TP-00365

This 1:10,000 scale Final shoreline map is one of eleven 1:10,000 scale maps designated as project PH-7110, Hood Canal, Washington.

The purpose of this map was to provide contemporary shoreline in support of hydrographic operations and to aid in chart revision.

Field work prior to compilation in April 1971, consisted of recovery and premarking of horizontal control for aerotriangulation.

This map area was photographed in May 1971 with the RC-8 "E" camera at 1:20,000 and 1:30,000 scale using natural color film.

Aerotriangulation was completed at the Washington office in November 1971.

This map was compiled at the Norfolk office in January 1972.

Field edit was acquired for TP-00365 during the 1972 field season. Field edit was applied at AMC in May 1974.

Final review was accomplished at the Atlantic Marine Center in August 1988. A Chart Maintenance Print was prepared and forwarded to the Marine Charts Branch.

This Descriptive Report contains all pertinent information used to compile this Final Map. The original base manuscript and all related data were forwarded to the Washington Science Center for final registration.



## FIELD INSPECTION

TP-00365

Field inspection was limited to the recovery and identification of horizontal control for aerotriangulation.

PHOTOGRAMMETRIC PLOT REPORT  
Hood Canal, Washington  
Job PH-7110  
November 1971

21. Area Covered

This report pertains to Hood Canal in the state of Washington. The sheets covered are TP-00381 and TP-00365 thru TP-00374.

22. Method

Two strips (71-E-4018 thru 4028 and 71-E-4029 thru 4044) of 1:30,000 scale color and one strip (71-E-4197 thru 4204) of 1:20,000 scale color photography were bridged by analytic aerotriangulation methods. Positions were determined for points for computing ratios. The data for ruling projections, grids and plotting points for compilation were furnished to the Coradomat to be plotted on the Washington, South Zone, State Plane Coordinate System.

23. Adequacy of Control

The control was adequate.

24. Supplemental Data

USGS topographic quadrangles were used to obtain vertical control for the strips.

25. Photography

The photography was adequate.

Submitted by:

*Don O. Norman*

Don O. Norman

Approved and Forwarded:

*Henry P. Eichert*

Henry P. Eichert, Chief  
Aerotriangulation Section

FIT TO CONTROL

- ▲ held in adjustment
- tie point held in adjustment
- tie point used as check
- (x, y) in feet

STRIP 1

- ▲ 1 LYNCH 1934, subpoint (-0.0, +0.1)
- ▲ 2 GREEN POINT 2 1934, subpoint (+0.1, -0.2)
- ▲ 3 SMOKE 1934, subpoint (-0.0, +0.2)
- ▲ 4 INDIAN 1934 (-0.0, -0.1)
- 30801 (-1.5, +1.0)
- 30802 (-2.6, -0.6)

STRIP 2

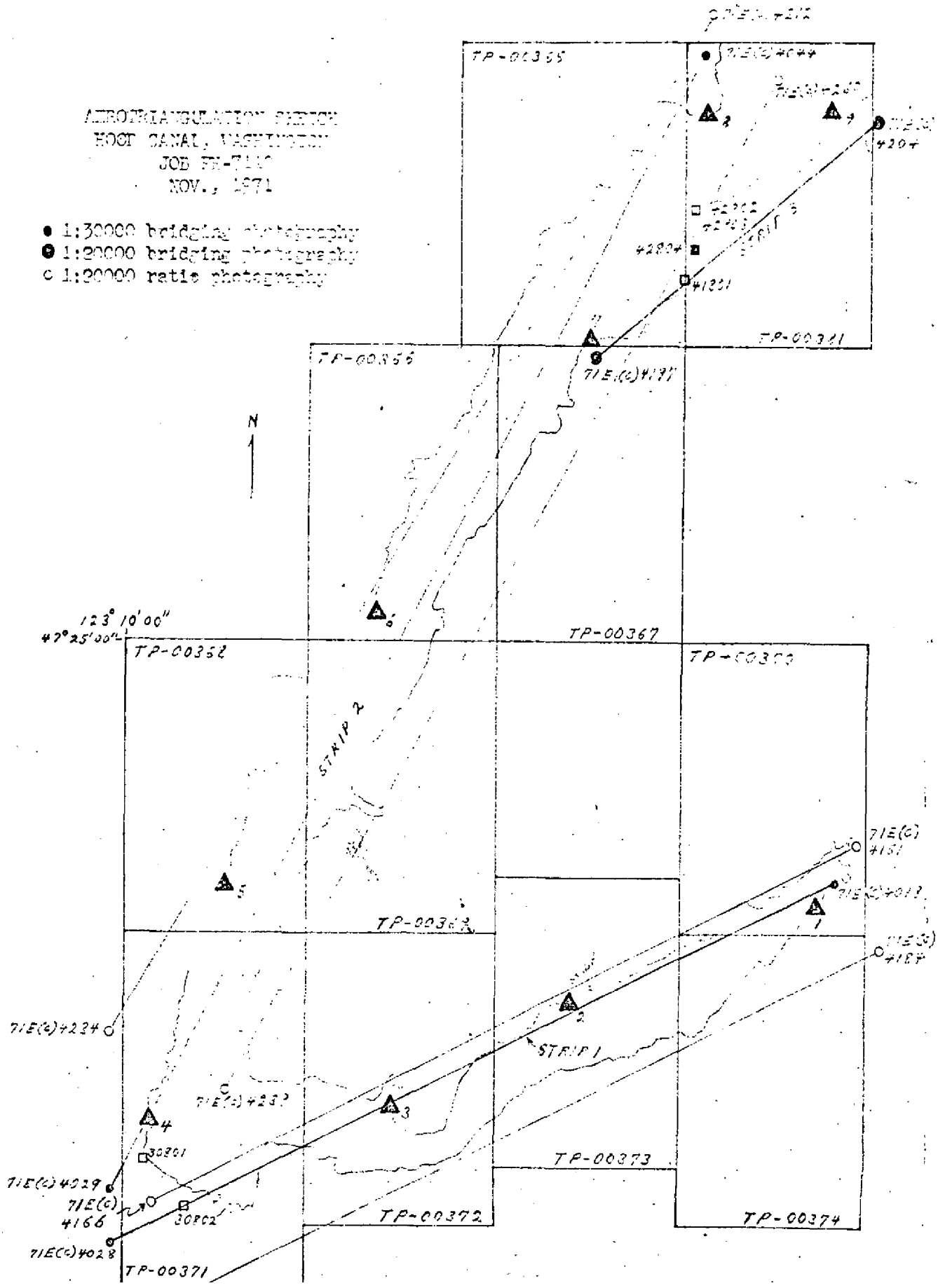
- ▲ 4 INDIAN 1934 (+0.5, -0.2)
- ▲ 5 MILLER 2, 1934, subpoint (-0.9, +0.5)
- ▲ 6 AYOCKS POINT 4, 1959, subpoint (+0.1, +0.0)
- ▲ 7 TEKIU 3, 1971, subpoint (+0.7, -0.8)
- ▲ 8 QUATSAP 2, 1934, subpoint (-0.4, +0.4)

STRIP 3

- ▲ 7 TEKIU 3, 1971, subpoint (0.0, 0.0)
- 42804 (0.0, 0.0)
- ▲ 9 BOULDER 1878, subpoint (0.0, 0.0)
- 41801 (+0.6, +0.6)
- 42802 (+3.0, -1.0)
- 42803 (+1.6, +1.5)

AEROTRIANGULATION STRIP  
 HOOP CANAL, WASHINGTON  
 JOB FH-7110  
 NOV., 1971

- 1:30000 bridging photography
- 1:20000 bridging photography
- ◻ 1:20000 ratio photography





## COMPILATION REPORT

TP-00365

31. DELINEATION:

Delineation was by the Wild B-8 stereoplotter, using 1:30,000 scale, color photographs. The stage of tide was above mean lower low-water at the time of photography, therefore, detail which covers by tide is only partially compiled.

The quality of the photography is adequate for shoreline compilation.

32. CONTROL:

Refer to the Photogrammetric Plot Report, dated November 1971.

33. SUPPLEMENTAL DATA:

None.

34. CONTOURS AND DRAINAGE:

Contours are inapplicable. Drainage was delineated from the compiler's interpretation of the photographs.

35. SHORELINE AND ALONGSHORE DETAILS:

The mean high-water line and alongshore details were delineated from the compiler's interpretation of the photographs.

36. OFFSHORE DETAILS:

Offshore details was delineated from the compiler's interpretation of the photographs. Details which were covered by water at the time of photography, were not compiled.

37. LANDMARKS AND AIDS:

There were no charted nonfloating aids or landmarks and none were noted during stereoscopic instrument compilation.

38. CONTROL FOR FUTURE SURVEY:

None.

TP-00365

39. JUNCTIONS:

A satisfactory junction was made with all adjoining contemporary maps. Refer to the Data Record Form 76-36B, item 5.

40. HORIZONTAL AND VERTICAL ACCURACY:

No Statement.

46. COMPARISON WITH EXISTING MAPS:

A comparison was made with the following U.S. Geological Survey quadrangles:

Brinnon, Washington, scale 1:24,000, dated 1953  
 Holly, Washington, scale 1:24,000, dated 1953, photorevised 1968  
 The Brothers, Washington, scale 1:62,500, dated 1947.

47. COMPARISON WITH NAUTICAL CHARTS:

A comparison has been made with the following U.S. Coast and Geodetic Survey Charts:

6450, scale 1:80,000, 18th edition, dated February 6, 1971  
 6460, scale 1:80,000, 11th edition, dated July 25, 1970.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY:

None.

ITEMS TO BE CARRIED FORWARD:

None.

Submitted by:

*Charles E. Blood*

for

T. J. Bulfer

Cartographer

January 18, 1972

Approved and forwarded:

*James T. Byrd, Jr. for*

Albert C. Rauck, Jr.

Chief, Coastal Mapping Section

GEOGRAPHIC NAMES

FINAL NAME SHEET

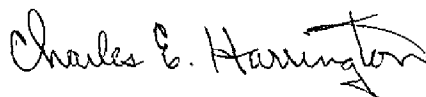
PH-7110 (Hood Canal, Washington)

TP-00365

Black Point  
Duckabush  
Duckabush River  
Frenchmans Cove  
Fulton Creek  
Hood Canal  
McDaniel Cove  
McDonald Creek

Nellita  
Pleasant Harbor  
South Fork Fulton Creek  
Tekiu Point  
Triton  
Triton Cove  
Triton Head

Approved:



Charles E. Harrington  
Chief Geographer  
Nautical Charting Division



FIELD EDIT REPORT

Hood Canal, Washington

April-May 1972

Map Manuscripts: TP-00381, TP-00365,  
TP-00366, TP-00367, TP-00368, TP-00369,  
TP-00371

Project OPR-412-MA-72

## Field Edit Report

Hood Canal, Washington

Manuscripts: TP-00381, TP-00365, TP-00366  
TP-00367, TP-00368, TP-00369, TP-00371

This report covers the area of Hood Canal bounded on the north by latitude 47° 40' 00" and on the south by latitude 47° 19' 00".

The entire shoreline was inspected by vehicle or small boat. The shoreline and alongshore features were compared with the field edit copies of the manuscript and the field edit color photographs. The field edit copies (discrepancy prints) of the map manuscripts were used as the index for field corrections. Three-point sextant fixes taken to delineate the mean high water line or the positions of other alongshore features are recorded on the appropriate Field Edit Ozalid. Positions of features determined by their relationship to photogrammetrically identified objects are referenced on the appropriate Field Edit Ozalid and recorded on the photograph indicated on the Field Edit Ozalid.

### Adequacy of the Compilation

The accuracy of the maps appear adequate for navigation, however the current charts are lacking detail. All discrepancies were investigated and resolved.

New construction is prevalent in the area. All new piers and bulkheads were located by three-point sextant fixes. All pilings, dolphins, and ruins, which did not appear on the discrepancy sheets were also located by three-point fixes.

The mean high water line was established throughout the surveyed area either by three-point fixes or by measuring to the mean high water line from a known point of reference. Shore line areas where streams and rivers enter Hood Canal were extensively delineated. Changes to the shore line were dashed in with purple ink. Marsh areas are designated as such. Rocks and shoals were investigated. In the majority of cases, elevations of rocks and shoals were related to the elevation of the feature above the water at the time it was visited by direct measurement. In those instances where this was not possible, the height of the feature above mean high water (as estimated from vegetation on the face of the feature for example) was measured.

Purple ink was used to indicate corrections on the discrepancy sheets. Red-orange ink was used for the annotations of the field edit photographs. Green ink was used on the discrepancy prints to indicate deletions.

Where small coves made it impossible to carry on field edit work using established signals for sextant cuts, signals were photo located. Triton Cove, DeWatto Bay and Pleasant Harbor were field edited using photo located signals.

There were no fixed aids to navigation in the area surveyed. All features of landmark value were investigated and designated as such on the discrepancy sheets. All significant landmarks have been listed on form 567.

A list of geographic positions used in field edit work is included in this report.

SUBMITTED BY:

*Steven R. Birkey*

Steven R. Birkey  
LTJG, NOAA

APPROVED AND FORWARDED:

*George M. Poor*

George M. Poor  
CDR, NOAA  
Commanding

REVIEW REPORT  
SHORELINE

TP-00365

61. GENERAL STATEMENT:

See the summary included with this Descriptive Report.

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 the following Hydrographic Surveys:

H-9319, 1:10,000 scale, dated 1972  
H-9320, 1:10,000 scale, dated 1972.

There were no conflicts.

65. COMPARISON WITH NAUTICAL CHARTS:

A comparison was made with the following NOS charts:

18458, 1:25,000 scale, dated December 29, 1984  
18476, 1:40,000 scale, dated September 15, 1984.

Revisions are indicated on the chart maintenance print.

TP-00365

66. ADEQUACY OF RESULTS AND FUTURE SURVEYS:

This map complies with the Project Instructions, and meets the requirements for National Standards of Map Accuracy.

Submitted by:

*James L. Byrd, Jr.*

James L. Byrd, Jr.  
Final Reviewer

Approved for forwarding:

*Billy H. Barnes*

Billy H. Barnes  
Chief, Quality Assurance Group, AMC

Approved:

*A. Y. Bryson*

Chief, Photogrammetric Productions Sec. Chief, Photogrammetry Branch

