

TP-00208

TP-00208

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-6607 Map No. TP-00208

Classification No.                      Edition No. 1

Field Edited Map

### LOCALITY

State Oregon

General Locality Umpqua River

Locality Umpqua Lighthouse

State Park

19 71 TO 19 71

### REGISTRY IN ARCHIVES

DATE

## DESCRIPTIVE REPORT - DATA RECORD

## TYPE OF SURVEY

- ☒ ORIGINAL  
☐ RESURVEY  
☐ REVISED

SURVEY TP. 00208

MAP EDITION NO. (1)

MAP CLASS Final

JOB PH. 6607

## PHOTOGRAMMETRIC OFFICE

Rockville, Maryland

## OFFICER-IN-CHARGE

Jack Guth

## LAST PRECEDING MAP EDITION

## TYPE OF SURVEY

- ☐ ORIGINAL  
☐ RESURVEY  
☐ REVISED

JOB PH. \_\_\_\_\_

MAP CLASS \_\_\_\_\_

SURVEY DATES:

19\_\_ TO 19\_\_

## I. INSTRUCTIONS DATED

## 1. OFFICE

Compilation, September 10, 1971  
Aerotriangulation, August 11, 1971

## 2. FIELD

Field Support, May 7, 1971  
~~Field Edit, August 1, 1972~~ *PHC*

## II. DATUMS

## 1. HORIZONTAL:

☒ 1927 NORTH AMERICAN

OTHER (Specify)

## 2. VERTICAL:

- ☒ MEAN HIGH-WATER  
☐ MEAN LOW-WATER  
☐ MEAN LOWER LOW-WATER  
☐ MEAN SEA LEVEL

OTHER (Specify)

## 3. MAP PROJECTION

Polyconic

## 4. GRID(S)

STATE  
OregonZONE  
South

## 5. SCALE

1:10,000

STATE

ZONE

## III. HISTORY OF OFFICE OPERATIONS

OPERATIONS		NAME	DATE
1. AEROTRIANGULATION METHOD: Analytic	BY LANDMARKS AND AIDS BY	D. Brant	9/71
2. CONTROL AND BRIDGE POINTS METHOD: Coradi	PLOTTED BY CHECKED BY	D. Phillips	9/71
3. STEREOSCOPIC INSTRUMENT COMPILATION INSTRUMENT: B-8 SCALE: 1:10,000	PLANIMETRY BY CHECKED BY CONTOURS BY CHECKED BY	P. Dempsey J.P. Battley, Jr. N.A.	10/71 10/71
4. MANUSCRIPT DELINEATION METHOD: SCALE: 1:10,000	PLANIMETRY BY CHECKED BY CONTOURS BY CHECKED BY HYDRO SUPPORT DATA BY CHECKED BY	P. Dempsey J.P. Battley, Jr. N.A.	10/71 10/71
5. OFFICE INSPECTION PRIOR TO FIELD EDIT	BY	J.P. Battley, Jr.	10/71
6. APPLICATION OF FIELD EDIT DATA	BY CHECKED BY	H. Lucas None	1972
7. COMPILATION SECTION REVIEW	BY	None	
8. FINAL REVIEW	BY	F. A. Wright	8/75
9. DATA FORWARDED TO PHOTOGRAMMETRIC BRANCH	BY	N.A.	
10. DATA EXAMINED IN PHOTOGRAMMETRIC BRANCH	BY	F.A. Wright	8/75
11. MAP REGISTERED - COASTAL SURVEY SECTION	BY	R.T. CATON	12/76

NOAA FORM 76-36B (3-72)		U. S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL OCEAN SURVEY			
TP-00208		<b>COMPILATION SOURCES</b>			
<b>1. COMPILATION PHOTOGRAPHY</b>					
CAMERA(S) E 6" focal length		TYPES OF PHOTOGRAPHY LEGEND (C) COLOR (P) PANCHROMATIC (I) INFRARED		TIME REFERENCE	
TIDE STAGE REFERENCE <input type="checkbox"/> PREDICTED TIDES <input type="checkbox"/> REFERENCE STATION RECORDS <input type="checkbox"/> TIDE CONTROLLED PHOTOGRAPHY				ZONE Pacific MERIDIAN 120 <input checked="" type="checkbox"/> STANDARD <input type="checkbox"/> DAYLIGHT	
NUMBER AND TYPE	DATE	TIME	SCALE	STAGE OF TIDE	
71E(C)7792-7799	9/3/71	0640	1:20,000	N.A.	
71E(C)7769-7779	9/3/71	0620	1:20,000	N.A.	
REMARKS  1:20,000 scale ratioed to 1:10,000 manuscript scale.					
<b>2. SOURCE OF MEAN HIGH-WATER LINE:</b>  Office interpretation from 1:40,000 photography on the B-8 and checked with 1:10,000 ratioed photographs.					
<b>3. SOURCE OF MEAN LOW-WATER OR MEAN LOWER LOW-WATER LINE:</b>  None					
<b>4. CONTEMPORARY HYDROGRAPHIC SURVEYS</b> (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
<b>5. FINAL JUNCTIONS</b>					
NORTH	EAST	SOUTH	WEST		
TP-00209	No Survey	No Survey	No Survey		
REMARKS					

## HISTORY OF FIELD OPERATIONS.

TP-00208

I. ☒ FIELD INSPECTION OPERATION☐ FIELD EDIT OPERATION.

OPERATION	NAME	DATE
1. CHIEF OF FIELD PARTY	Unknown *	1971
2. HORIZONTAL CONTROL		
RECOVERED BY		
ESTABLISHED BY		
PRE-MARKED OR IDENTIFIED BY	Unknown	1971
3. VERTICAL CONTROL		
RECOVERED BY		
ESTABLISHED BY		
PRE-MARKED OR IDENTIFIED BY		
4. LANDMARKS AND AIDS TO NAVIGATION		
RECOVERED (Triangulation Stations) BY		
LOCATED (Field Methods) BY		
IDENTIFIED BY		
5. GEOGRAPHIC NAMES INVESTIGATION		
TYPE OF INVESTIGATION		
<input type="checkbox"/> COMPLETE		
<input type="checkbox"/> SPECIFIC NAMES ONLY		
<input type="checkbox"/> NO INVESTIGATION		
6. PHOTO INSPECTION		
CLARIFICATION OF DETAILS BY		
7. BOUNDARIES AND LIMITS		
SURVEYED OR IDENTIFIED BY		

## II. SOURCE DATA

1. HORIZONTAL CONTROL IDENTIFIED

2. VERTICAL CONTROL IDENTIFIED

PHOTO NUMBER	STATION NAME	PHOTO NUMBER	STATION DESIGNATION
* Any data submitted by Field Party was lost.			

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 ☐ NONE6. BOUNDARY AND LIMITS: ☐ REPORT ☐ NONE

7. SUPPLEMENTAL MAPS AND PLANS

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

TP-00208

## HISTORY OF FIELD OPERATIONS.

I. ☐ FIELD INSPECTION OPERATION☒ FIELD EDIT OPERATION.

OPERATION	NAME	DATE
1. CHIEF OF FIELD PARTY	R.P.Hewitt LTJG	11/71
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.P.Hewitt LOCATED (Field Methods) BY R.P. Hewitt IDENTIFIED BY	11/71 11/71
5. GEOGRAPHIC NAMES INVESTIGATION	TYPE OF INVESTIGATION <input type="checkbox"/> COMPLETE <input checked="" type="checkbox"/> SPECIFIC NAMES ONLY BY R.P.Hewitt <input type="checkbox"/> NO INVESTIGATION	11/71
6. PHOTO INSPECTION	CLARIFICATION OF DETAILS BY R.P.Hewitt	11/71
7. BOUNDARIES AND LIMITS	SURVEYED OR IDENTIFIED BY N.A.	

## II. SOURCE DATA

1. HORIZONTAL CONTROL IDENTIFIED  
None2. VERTICAL CONTROL IDENTIFIED  
None

PHOTO NUMBER	STATION NAME	PHOTO NUMBER	STATION DESIGNATION

## 3. PHOTO NUMBERS (Clarification of details)

All field edit photos to Federal Records Center

## 4. LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED

See Form 76-40 in this report.

PHOTO NUMBER	OBJECT NAME	PHOTO NUMBER	OBJECT NAME

5. GEOGRAPHIC NAMES: ☐ REPORT ☒ NONE6. 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)

TP-00208

## RECORD OF SURVEY USE

## I. MANUSCRIPT COPIES

COMPILATION STAGES			DATE MANUSCRIPT FORWARDED	
DATA COMPILED	DATE	REMARKS	MARINE CHARTS	HYDRO SUPPORT
Shoreline & detail inshore a short distance	10/71			Date Unknown
Field Edit Applied Not Checked	72	For Hydro Smooth Sheet Processing	Date Unknown	
Final Review	8/75		Oct 1 1975	

## II. LANDMARKS AND AIDS TO NAVIGATION

## 1. REPORTS TO MARINE CHART DIVISION, NAUTICAL DATA BRANCH

NUMBER	CHART LETTER NUMBER ASSIGNED	DATE FORWARDED	REMARKS
2		Oct 1 1975	None prior to final review

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:  
\*None available  
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 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	

Summary to Accompany  
Descriptive Report TP-00208

TP-00208 through TP-00213 at 1:10,000 scale and TP-00214 through TP-00216 at 1:20,000 scale comprise Project PH-6607, Umpqua and Smith Rivers, Oregon. The purpose of this project is to provide hydro support, new topography, and shoreline for use in constructing Nautical Chart 669-SC. Refer to the project diagram for the location of each sheet in the project.

The only field work preceding compilation was the premarking of control necessary for bridging. See Photogrammetric Plot Report for details.

Compilation and field edit was broken into two phases in this project with sheets 00208 through 00213 being compiled on the Wild B-8 plotter in September and October 1971.

Stable base copies and ratio color prints were furnished for hydro support and field edit. Field edit was accomplished in November 1971 on these sheets.

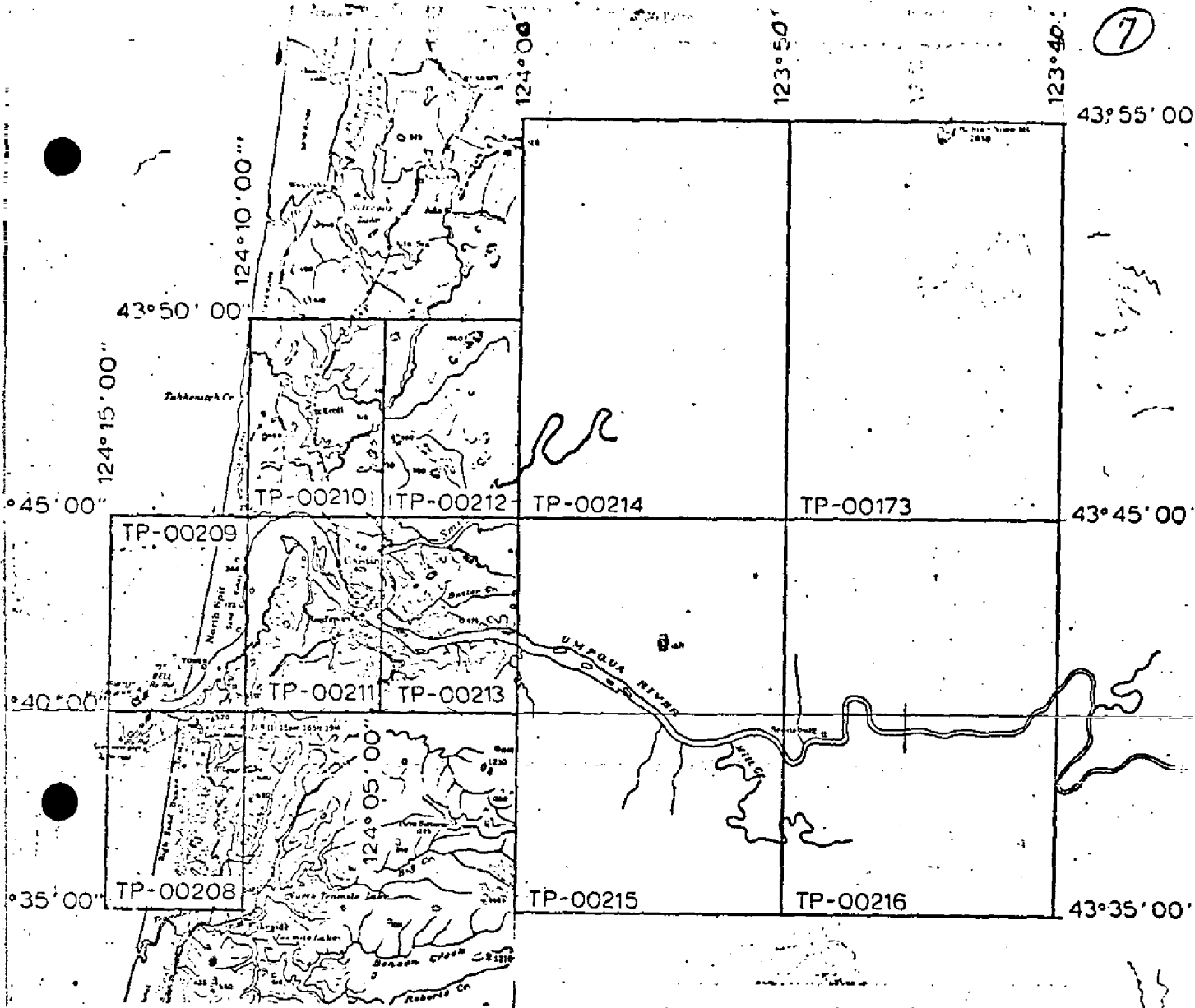
Compilation of TP-00214 through TP-00216 was accomplished on the Wild B-8 plotter in May 1972. Copies of map manuscripts and ratio color prints were furnished for field edit.

Field edit of these sheets was accomplished in September - October 1972.

Final review was accomplished in the Washington Office in 197<sup>5</sup>.

Copies of the final reviewed map were forwarded for record and registry.

7



OFFICIAL MILEAGE

For Cost Accounts

JOB PH-6607  
UMPQUA & SMITH RIVERS,  
OREGON

Sheet No.      Sq. Miles

TP-00173	5	Not Compiled
TP-00208	4	
TP-00209	5	
TP-00210	5	
TP-00211	8	
TP-00212	1	
TP-00213	8	
TP-00214	8	
TP-00215	5	
TP-00216	1	
Total ....	51	

Chart Topography  
&  
Shoreline Mapping  
SCALE 1:10,000 & 1:20,000

(8)

PHOTOGRAMMETRIC PLOT REPORT  
Umpqua and Smith Rivers, Oregon  
Job PH-6607  
May 1972

21. Area Covered

This report covers the area east from the mouth of the Umpqua and Smith Rivers to longitude 123° 40'. Control was extended for the compilation of six (6) 1:10,000 scale maps (TP-00208 thru TP-00213) for hydro support and four (4) 1:20,000 scale maps (TP-00214 thru TP-00216 and TP-00173) for chart compilation.

22. Method

Strips 1 and 2 (1:40,000 scale photography) and Strip 3 (1:30,000 scale photography) were bridged using analytic aerotriangulation methods. Sketch 1 shows the placement of control and the flight lines of the photography. Ties were made between all strips. Compilation points were located in strips 2 and 3 for the 1:20,000 scale compilation. Common points were located between the bridging photography and the 1:20,000 scale hydro support photography to determine the ratio for the 1:10,000 scale compilation. Sketch 2 shows the flight lines of the hydro support photography.

Natural objects (tanks, stacks, etc.) visible during bridging were located as aids for the hydro support party. All data for ruling projections and plotting of points for the compilation office were furnished to the Coradomat on the Oregon State (south zone) Plane Coordinate System.

23. Adequacy of Control

Horizontal control was premarked and was adequate for bridging.

24. Photography

The following RC-8 color photography was used in bridging:

1:40,000 scale

Strip 1 - 71-E(C)-6947 thru 6942

Strip 2 - 71-E(C)-6969 thru 6980

1:30,000 scale

Strip 3 - 71-E(C)-7757 thru 7774

2

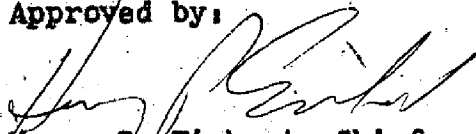
The definition and quality of the photography was good except for some areas obscured by clouds. The clouds did not affect the accuracy of the bridge.

Respectfully by:



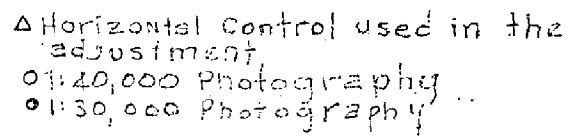
Donald M. Brant  
Cartographer

Approved by:



Henry P. Eichert, Chief  
Aerotriangulation Section

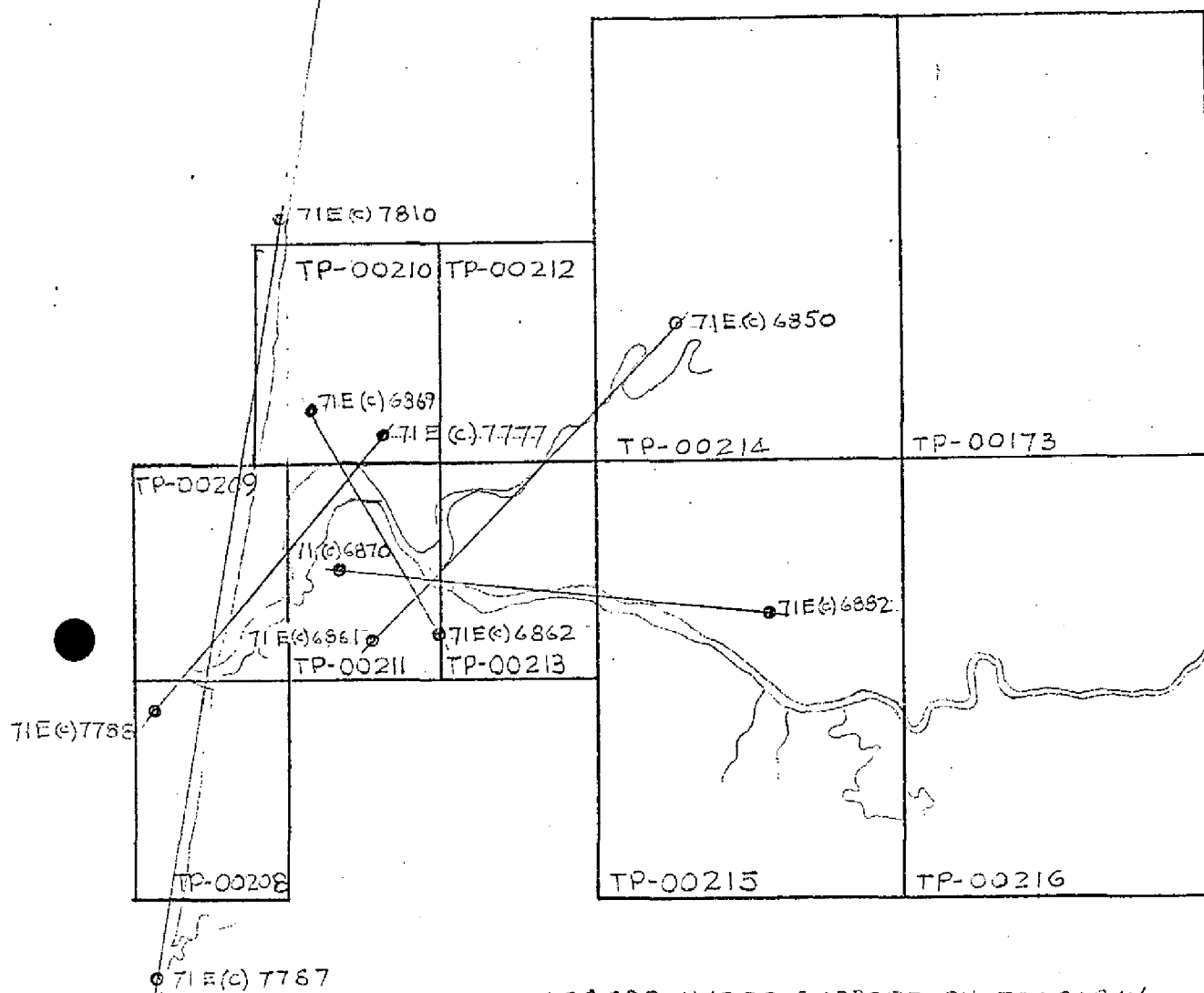
PACIFIC OCEAN  
4° 15' 00" N 43



OREGON  
CHART TOPOGRAPHY  
AND  
SHORELINE MAPPING  
SCALE 1:10,000 & 1:20,000

Sketch 2

(11)



• 1:20,000 HYDRO SUPPORT PHOTOGRAPHY

(17)

Compilation Report  
TP-00208

31. Delineation

The 1:40,000 scale photography was set on the B-8 stereoplotter and compiled at scale 1:10,000. Shoreline, alongshore, and a short distance inshore and aids to navigation along with points common with the 1:10,000 color ratioed photographs were plotted for hydro-support.

32. Control

Horizontal control was adequate for density and placement.

Vertical control was from USGS quadrangles and water level.

33. Supplemental Data - None

34. Contours & Drainage

Contours are inapplicable. Drainage- the shoreline of the Pacific Ocean was compiled.

35. Shoreline & Alongshore Detail

Shoreline was compiled on the B-8 by office interpretation. Also a jetty was compiled.

36. Offshore Details

See paragraph 49.

37. Landmarks & Aids

Landmark, Coast Guard Tower. Aids, Bar Range Lights Front & Rear, Umpqua River Lighthouse.

38. Control for Future Surveys

None.

39. Junctions

One junction only, north TP-00209.

40. Horizontal & Vertical Accuracy

See Photogrammetric Plot Report.

41. thru 45. Inapplicable.

46.

46. Comparison with Existing Maps - None

47. Comparison with Nautical Charts

Comparison was made with Nautical Chart No. 6004, Umpqua River, scale 1:20,000.

Items to be applied to Nautical Charts Immediately - None.

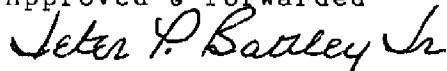
Items to be Carried Forward - None

Submitted by,



P. J. Dempsey

Approved & forwarded



J.P. Battley, Jr.

Chief, Coastal Mapping Section

13 August 1975

GEOGRAPHIC NAMES

FINAL NAME SHEET

PH-6607 (Oregon)

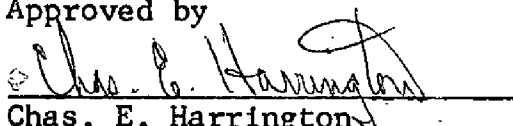
TP-00208

Pacific Ocean

Siuslaw National Forest

Umpqua Lighthouse State Park

Approved by



Chas. E. Harrington

Staff Geographer-C51x2

(15)

FIELD EDIT REPORT  
UMPQUA RIVER, OREGON  
JOB PH 6607

OPR 498 - DAVIDSON  
NOVEMBER, 1971

Field edit was accomplished in accordance with OPORDER, Pacific Marine Center ( in conjunction with OPR 498) and current Photogrammetry Instructions.

Features, obstructions, aids and landmarks were located by intersection from triangulation stations and by sextant resections from triangulation, topographic and photo positions. All changes, deletions and additions to the manuscript are indexed on the field ozalid (paper) in violet ink with the exception of green ink for deletions. The cronaflex print contains all control used for hydrography and field edit as well as fix positions. Many items have been photo-identified, so labeled on the appropriate photograph and indexed on the field ozalid.

The Army Corps of Engineers maintains many dredge signals and ranges in this area which can be a useful aid to navigation if charted; these items, where so noted on the manuscript, should be charted and labeled but not in a landmark status.

The log rafts shown on photographs are in temporary storage areas; a storage area being any one of the piling and dolphin lines delineated on these manuscripts, from Gardiner Inter. Paper Co. eastward up the Umpqua River and Smith River.

All work may be considered correct as of November 20, 1971.

TP 00208

52. ADEQUACY OF COMPILATION

Compilation was adequate considering no previous field inspection. The parking lots at the end of the three beach access roads were omitted during compilation and have been shown on the appropriate photograph.

54. RECOMMENDATIONS

See TP 00211

56. GEOGRAPHIC NAMES

A specific geographic names investigation revealed no changes.

57. FIXED AIDS TO NAVIGATION AND LANDMARKS

Three fixed aids to navigation appear on this manuscript, one is a triangulation intersection station and two were located by theodolite intersection. One landmark located by theodolite intersection, was recommended for charting.

58. ADDITIONAL INFORMATION

The four towers plotted are Army Corps of Engineers dredge ranges; also four dredge signals were located. These are chartable features that can be an aid to navigation but are not classified as landmarks; see the field ozalid for description of signals. The Corps of Engineers also maintains a range used to locate and mark an undersea wave gage. All roads were classified and two triangulation stations recovered and a form 526 submitted for each. Photo 7797 and 7798 contain field edit notes.

TP 00211

REEDSPORT

52. ADEQUACY OF COMPILATION

Compilation was only fair even considering that there was no previous field inspection. Four triangulation stations were not plotted: **AT**, GRAHAM, GARDINER INTERNATIONAL PAPER CO. STACK, and THREEMILE DIRECTIONAL LIGHT. U.S. HIGHWAY 101 bridge over the Umpqua River at Reedsport is a swing bridge, as indicated on chart 6004. Two stacks exist at Gardiner International Paper Co., one of them being a triangulation station; this stack is the taller and has been recommended for a landmark. Fourmile Light was mis-identified; see cronaflex print for correct location as determined by theodolite intersection. Channel Daybeacon "22" was not delineated or reported on the compiler-originated 76-40; it has been photo-identified and indexed. Roads and several large buildings in the area of Gardiner International Paper Co., have been delineated wrong or omitted; see photo 6866 for correct delineation. The railroad bridge at Reedsport contains 8 spans north of the swing span, not five as mapped; see photo 6860.

54. RECOMMENDATIONS

It is respectfully recommended that the paper ozalids should be printed with detail in black, as have been in the past, rather than blue. Violet ink used in field edit does not have as much contrast on the blue-printed ozalids.

56. GEOGRAPHIC NAMES

A specific geographic names investigation revealed no changes.

57. FIXED AIDS TO NAVIGATION AND LANDMARKS

Fourteen aids to navigation appear on this map; eight were office identified and field verified; three are triangulation and field recovered; two were located by theodolite intersection and one by sextant resection (also photo-identified).

Three Landmarks were recommended for charting; one triangulation and two office identified. Two landmarks were recommended for deletion.

Review Report TP-00208  
Shoreline  
August 1975

61. General Statement

See summary; page 6 of this report.

62. Comparison with Registered Topographic Surveys

T-8952, July 1952, scale 1:10,000.

That portion which is covered by this sheet is superseded for charting.

63. Comparison with Maps of Other Agencies

No comparison was made. Only 1:62,500 scale quad available.

64. Comparison with Contemporary Hydrographic Surveys

H-9239, Oct.-Dec. 1971, scale 1:10,000.

Wave gage pole at Lat. 124°12'02", Long. 43°39'08" wrong position on Hydro sheet. Position was wrong on Class I manuscript.

65. Comparison with Nautical Charts

Chart 6004, 38th Edition, July 1974, 1:10,000.

No discrepancies noted.

66. Adequacy of Results and Future Surveys

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

Submitted by,

*Frank A. Wright*  
Frank A. Wright

Approved & forwarded

*[Signature]*  
Chief, Photogrammetric Branch

*[Signature]*  
Chief, Coastal Mapping Division



RESPONSIBLE PERSONNEL	
TYPE OF ACTION	NAME
OBJECTS INSPECTED FROM SEAWARD	
POSITIONS DETERMINED AND/OR VERIFIED	R.P. Hewitt
FORMS ORIGINATED BY QUALITY CONTROL AND REVIEW GROUP AND FINAL REVIEW ACTIVITIES	J. Keating
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 <b>**PHOTOGRAMMETRIC FIELD POSITIONS are dependent entirely, or in part, upon control established by photogrammetric methods.</b>
*FIELD POSITIONS are determined by field observations based entirely upon ground survey methods.	



RESPONSIBLE PERSONNEL	
TYPE OF ACTION	NAME
OBJECTS INSPECTED FROM SEAWARD	R.P. Hewitt
POSITIONS DETERMINED AND/OR VERIFIED	R.P. Hewitt
FORMS ORIGINATED BY QUALITY CONTROL AND REVIEW GROUP AND FINAL REVIEW ACTIVITIES	J. Keating
INSTRUCTIONS FOR ENTRIES UNDER 'METHOD AND DATE OF LOCATION' (Consult Photogrammetric Instructions No. 64.)	
<b>OFFICE</b> <b>1. 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>8. Photogrammetric field positions** require</b> 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
<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
**PHOTOGRAMMETRIC FIELD POSITIONS are dependent entirely, or in part, upon control established by photogrammetric methods. *FIELD POSITIONS are determined by field observations based entirely upon ground survey methods.	