

TP-00212

TP-00212

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-00212*

Classification No. *Final* Edition No. *1*

Field Edited Map

LOCALITY

State ... *Oregon*

General Locality *Smith & Umpqua River*

Locality *Smith River*

1971 TO 1971

REGISTRY IN ARCHIVES

DATE

NOAA FORM 76-36A (3-72)		U. S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMIN.	
DESCRIPTIVE REPORT - DATA RECORD		TYPE OF SURVEY <input checked="" type="checkbox"/> ORIGINAL <input type="checkbox"/> RESURVEY <input type="checkbox"/> REVISED	
PHOTOGRAMMETRIC OFFICE Rockville, Maryland		SURVEY TP. <u>00212</u> MAP EDITION NO. <u>(1)</u> MAP CLASS <u>Final</u> JOB PH. <u>6607</u>	
OFFICER-IN-CHARGE Jack Guth		LAST PRECEDING MAP EDITION TYPE OF SURVEY <input type="checkbox"/> ORIGINAL <input type="checkbox"/> RESURVEY <input type="checkbox"/> REVISED JOB PH. _____ MAP CLASS _____ SURVEY DATES: 19__ TO 19__	
I. INSTRUCTIONS DATED			
1. OFFICE		2. FIELD	
Aerotriangulation, Aug. 11, 1971 Compilation, Sept. 10, 1971		Field Support, May 7, 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 Polyconic		4. GRID(S) STATE <u>Oregon</u> ZONE <u>South</u> STATE _____ ZONE _____	
5. SCALE 1:10,000			
III. HISTORY OF OFFICE OPERATIONS			
OPERATIONS		NAME	DATE
1. AEROTRIANGULATION BY METHOD: <u>Analytic</u> LANDMARKS AND AIDS BY		D. Brant	9/71
2. CONTROL AND BRIDGE POINTS PLOTTED BY METHOD: <u>Coradi</u> CHECKED BY		D. Phillips	9/71
3. STEREOSCOPIC INSTRUMENT PLANIMETRY BY COMPILATION CHECKED BY INSTRUMENT: <u>B-8</u> CONTOURS BY SCALE: <u>1:10,000</u> CHECKED BY		J. C. Richter J. P. Battley, Jr. N.A.	9/71 9/71 9/71
4. MANUSCRIPT DELINEATION PLANIMETRY BY CHECKED BY CONTOURS BY CHECKED BY METHOD: _____ SCALE: <u>1:10,000</u> HYDRO SUPPORT DATA BY CHECKED BY		J. C. Richter J. P. Battley, Jr. N.A. J. C. Richter J. P. Battley, Jr.	9/71 9/71 9/71 9/71
5. OFFICE INSPECTION PRIOR TO FIELD EDIT BY		J. P. Battley, Jr.	9/71
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. CATR	12/76

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COMPILATION SOURCES

1. COMPILATION PHOTOGRAPHY

CAMERA(S)

E 6" focal length

TYPES OF PHOTOGRAPHY
LEGEND

TIME REFERENCE

TIDE STAGE REFERENCE

- ☐ PREDICTED TIDES
☐ REFERENCE STATION RECORDS
☐ TIDE CONTROLLED PHOTOGRAPHY

- (C) COLOR
(P) PANCHROMATIC
(I) INFRARED

ZONE

Pacific

MERIDIAN

120

☒ STANDARD☐ DAYLIGHT

NUMBER AND TYPE	DATE	TIME	SCALE	STAGE OF TIDE
71E(C)6975-6978	7-25-71	1400	1:40,000	N.A.
71E(C)6852-6855	7-24-71	1300	1:20,000	N.A.

REMARKS

1:20,000 scale color ratioed to 1:10,000 scale color.

2. SOURCE OF MEAN HIGH-WATER LINE:

Office interpretation from 1:40,000 scale photography on B-8 stereoplotters and checked with 1:10,000 scale ratioed color photography.

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

None

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 No contemporary survey	EAST 1:20,000 scale TP-00214	SOUTH TP-00213	WEST TP-00210
REMARKS			

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HISTORY OF FIELD OPERATIONS

1. ☒ 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	
3. VERTICAL CONTROL	RECOVERED BY	
	ESTABLISHED BY	
	PRE-MARKED OR IDENTIFIED BY	Unknown
		1971
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 ☐ NONE

6. 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)

HISTORY OF FIELD OPERATIONS.

TP-00212

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 None	
	LOCATED (Field Methods) BY None	
	IDENTIFIED BY None	
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

None

2. 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

None

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)

None

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RECORD OF SURVEY USE

I. MANUSCRIPT COPIES

COMPILATION STAGES			DATE MANUSCRIPT FORWARDED	
DATA COMPILED	DATE	REMARKS	MARINE CHARTS	HYDRO SUPPORT
Shoreline and detail inshore a short distance	9/71			Date Unknown
Field Edit Applied Not checked	1972	No record of copy being furnished		
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
			None

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	

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Summary to Accompany
Descriptive Report TP-00212

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.

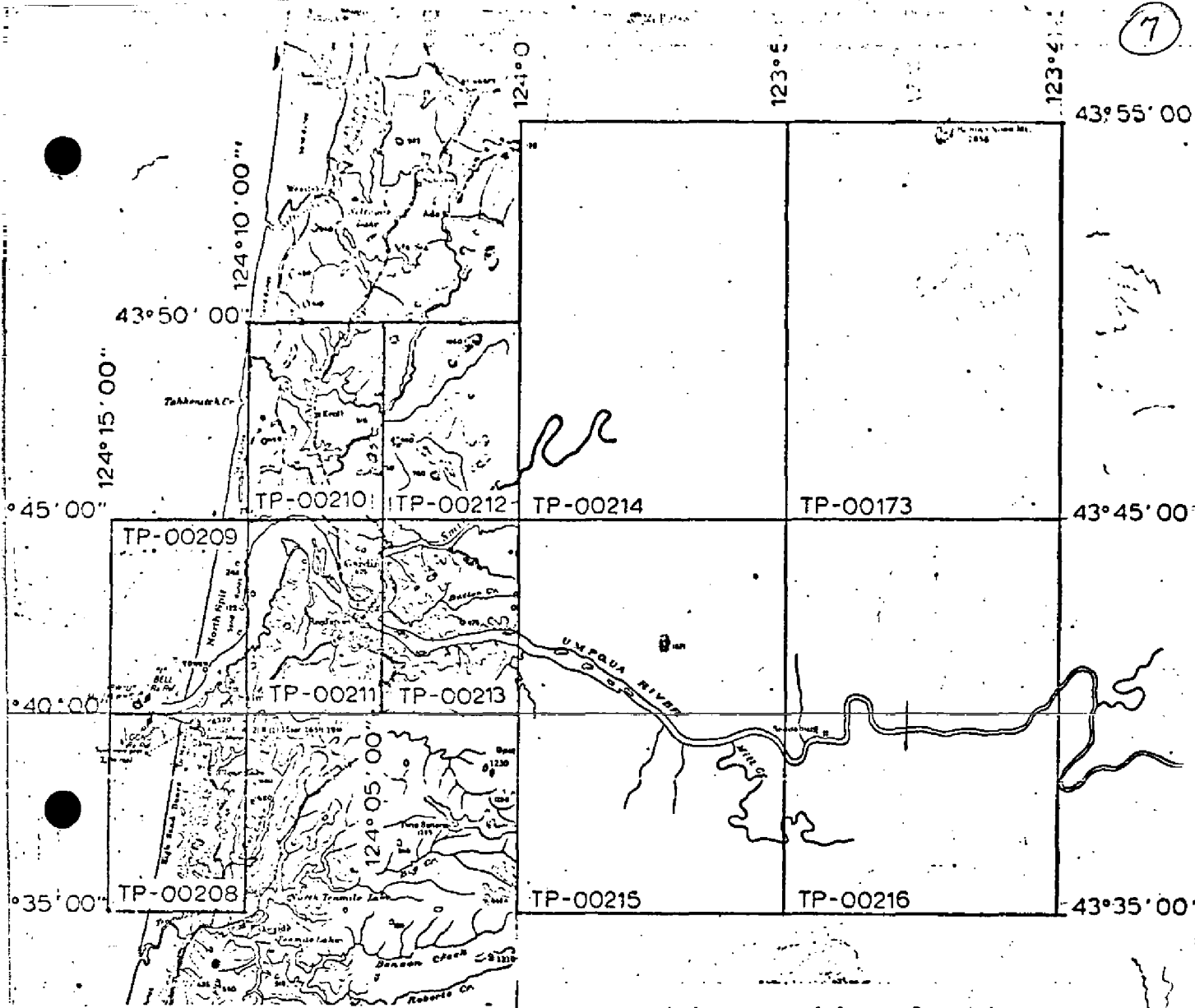
Stable base copies and ratio color prints were furnished for hydro support and field edit. Field edit was accomplished in November 1971 on these sheets.

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 197⁵.

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



OFFICIAL MILEAGE
For Cost Accounts

JOB PH-6607
UMPQUA & SMITH RIVERS,
OREGON

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

Sheet No. Sq. Miles

TP-00173	5	Not Compiled
TP-00208	4	
TP-00209	5	
TP-00210	1	
TP-00211	8	
TP-00212	1	
TP-00213	8	
TP-00214	8	
TP-00215	5	
TP-00216	6	

Total 51

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

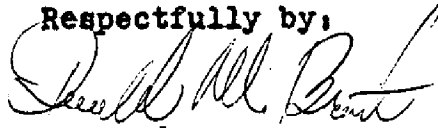
Strip 1 - 71-E(C)-6947 thru 6942
Strip 2 - 71-E(C)-6969 thru 6980

1:30,000 scale

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

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,



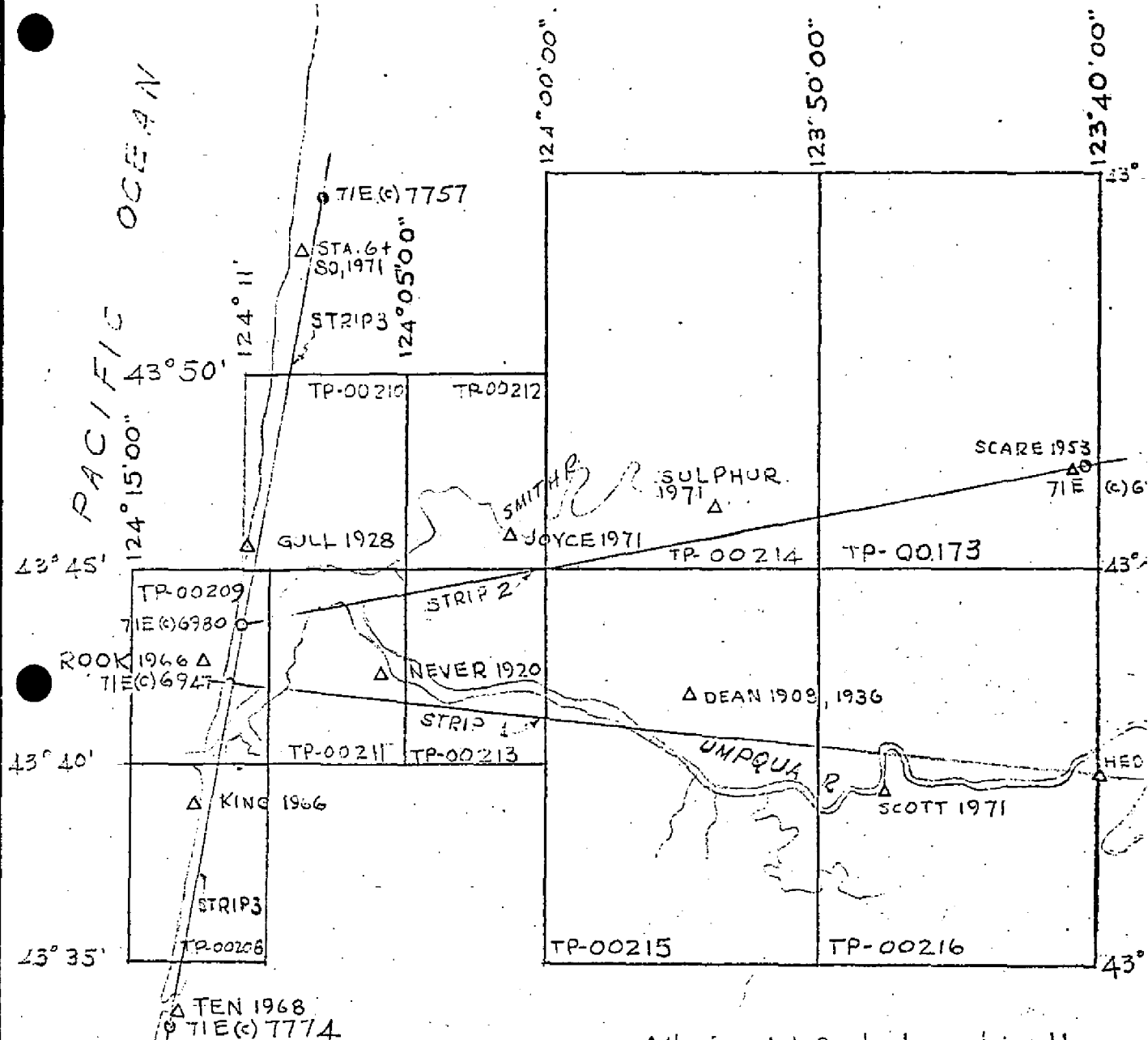
Donald M. Brant
Cartographer

Approved by:



Henry P. Eichert, Chief
Aerotriangulation Section

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Sketch 1



Δ Horizontal Control used in the adjustment
 ○ 1:40,000 Photography
 ● 1:30,000 Photography

JOB PH-6607
 UMPQUA & SMITH RIVERS.

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

Compilation Report
TP-00212

31. Delineation

The 1:40,000 scale color photography was set on the B&8 stereo-plotter and compiled at 1:10,000 scale. Shoreline and alongshore detail and detail inshore a short distance 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 U.S.G.S. quadrangles and water level.

33. Supplemental Data - None

34. Contours and Drainage

Contours are inapplicable. Drainage was only compiled a short distance from the shoreline.

35. Shoreline and Alongshore Detail

Shoreline was compiled by office interpretation.

There was no field inspection for this project.

36. Offshore Detail - None

37. Landmarks and Aids

To be located by hydro party.

38. Control for Future Surveys - None

39. Junctions

Refer to form 76-36b in this report.

40. Horizontal and Vertical Accuracy

See Photogrammetric Plot Report.

41. thru 45. Inapplicable

46. Comparison with Existing Maps

Comparison was made with U.S.G.S. quadrangle SILTCOOS LAKE, Oregon, scale 1:62,500, dated 1956.

47. Comparison with Nautical Charts

No chart covering this area.

Respectfully submitted,

Frank Wright (for)
J. C. Richter
Carto(Photo)

Approved and forwarded:

John P. Battley, Jr.
J.P. Battley, Jr.
Chief, Coastal Mapping Section

13 August 1975

GEOGRAPHIC NAMES

FINAL NAME SHEET

PH-6607 (Oregon)

TP-00212

Joyce Creek

Smith River

Approved by



Chas. E. Harrington
Staff Geographer-C51x2

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 00212
SMITH RIVER

52. ADEQUACY OF COMPILATION

Compilation was adequate considering no previous field inspection.

54. RECOMMENDATIONS

See TP 00211.

56. GEOGRAPHIC NAMES

A specific geographic names investigation revealed no changes.

57. FIXED AIDS TO NAVIGATION AND LANDMARKS

No fixed aids to navigation or landmarks appear on this manuscript.

58. ADDITIONAL INFORMATION

Several piles and piling lines and one overhead cable were located by identification on the photographs or by identification of proximate detail (overhead cable). One triangulation station was searched for and a form 526 submitted for each; all roads were classified. Photos 6854 and 6855 contain field edit notes.

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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-00212
August 1975

61. General Statement

See summary; page 6 of this report.

62. Comparison with Registered Topographic Surveys - None Available

63. Comparison with Maps of Other Agencies

No comparison made; only 1:62,500 quad available.

64. Comparison with Contemporary Hydrographic Surveys

None available.

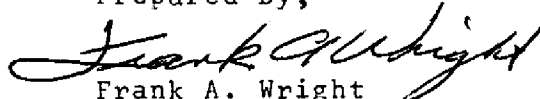
65. Comparison with Nautical Charts

Only chart covering this area is 5802. No comparison made as scale is 1:191,730.

66. Adequacy of Results and Future Surveys

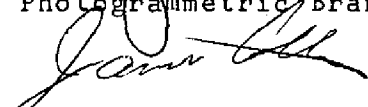
This map complies with the project instructions and meets the National Standards of Map Accuracy.

Prepared by,


Frank A. Wright
Cartographer

Approved by:


Chief, Photogrammetric Branch


Chief, Coastal Mapping Division