

TP-00213

TP-00213

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-00213*

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

Field Edited Map

LOCALITY

State *Oregon*

General Locality *Umpqua River*

Locality *Umpqua & Smith Rivers*

1971 TO 1972

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 OFFICER-IN-CHARGE Jack Guth		SURVEY TP. 00213 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 <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 Field Edit & Small-craft Editing Facilities Investigation Aug. 1, 1972	
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 Oregon ZONE South	
5. SCALE 1:10,000		STATE ZONE	
III. HISTORY OF OFFICE OPERATIONS			
OPERATIONS		NAME	
DATE			
1. AEROTRIANGULATION METHOD: Analytic 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		J.C. Richter 9/71 J.P. Battley, Jr. 9/71 N.A. 9/71	
4. MANUSCRIPT DELINEATION METHOD: SCALE: 1:10,000 PLANIMETRY BY CHECKED BY CONTOURS BY CHECKED BY HYDRO SUPPORT DATA BY CHECKED BY		J.C. Richter 9/71 J.P. Battley, Jr. 9/71 N.A. 9/71 J.C. Richter 9/71 J.P. Battley, Jr. 9/71	
5. OFFICE INSPECTION PRIOR TO FIELD EDIT BY		J.P. Battley, Jr. 9/71	
6. APPLICATION OF FIELD EDIT DATA CHECKED BY		H. Lucas 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. CATAR 12/76	

(2)

TP-00213

COMPILATION SOURCES

1. COMPILATION PHOTOGRAPHY

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)6975-6978	7-25-71	1400	1:40,000	N.A.	
71E(C)6949-6951	7-25-71	1346	1:40,000	N.A.	
71E(C)6855-6859	7-24-71	1300	1:20,000	N.A.	
71E(C)6873-6877	7-24-71	1313	1:20,000	N.A.	

REMARKS

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

2. SOURCE OF MEAN HIGH-WATER LINE:

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

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 TP-00212	EAST TP-00215 (1:20,000)	SOUTH No contem- porary survey	WEST TP-00211
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REMARKS

HISTORY OF FIELD OPERATIONS.

TP-00213

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	
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 ☐ 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-00213

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
	R.B. Melby	10/72
2. HORIZONTAL CONTROL	RECOVERED BY ESTABLISHED BY PRE-MARKED OR IDENTIFIED BY	None
3. VERTICAL CONTROL	RECOVERED BY ESTABLISHED BY PRE-MARKED OR IDENTIFIED BY	None
4. LANDMARKS AND AIDS TO NAVIGATION	RECOVERED (Triangulation Stations) BY LOCATED (Field Methods) BY IDENTIFIED BY	None Hewitt Hewitt/Melby
5. GEOGRAPHIC NAMES INVESTIGATION	TYPE OF INVESTIGATION <input type="checkbox"/> COMPLETE <input checked="" type="checkbox"/> SPECIFIC NAMES ONLY <input type="checkbox"/> NO INVESTIGATION	11/71 10/72
6. PHOTO INSPECTION	CLARIFICATION OF DETAILS BY	Hewitt/Melby
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 ☒ NONE7. SUPPLEMENTAL MAPS AND PLANS
None8. OTHER FIELD RECORDS (Sketch books, etc. DO NOT list data submitted to the Geodesy Division)
None

RECORD OF SURVEY USE

TP-00213

I. MANUSCRIPT COPIES

COMPILATION STAGES			DATE MANUSCRIPT FORWARDED	
DATA COMPILED	DATE	REMARKS	MARINE CHARTS	HYDRO SUPPORT
Shoreline and detail inshore a short distance	Sept. 71			Date Unknown
Field edit applied Not checked	1972	No record of copy being furnished		
Final Review			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
1		Oct 1 1975	None furnished 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	
	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	

(6)

Summary to Accompany
Descriptive Report TP-00213

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.

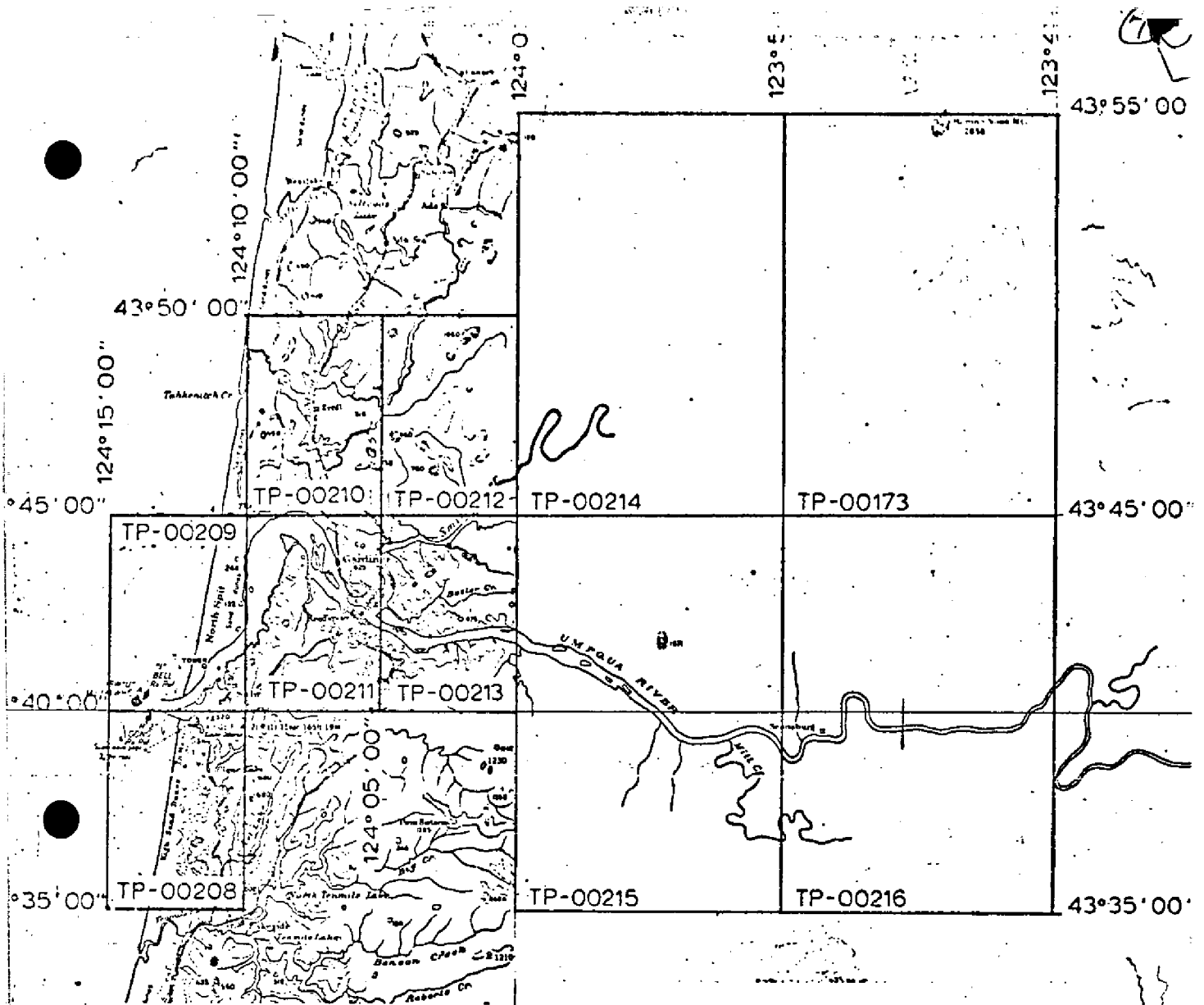
Stable base copies and ratio color prints were furnished for hydro support and field edit. Field edit was accomplished in November 1971 on these sheets.

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 1974.⁵

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	3	
TP-00216	6	

Total 51

TP-00213

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 $123^{\circ} 40'$. 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:

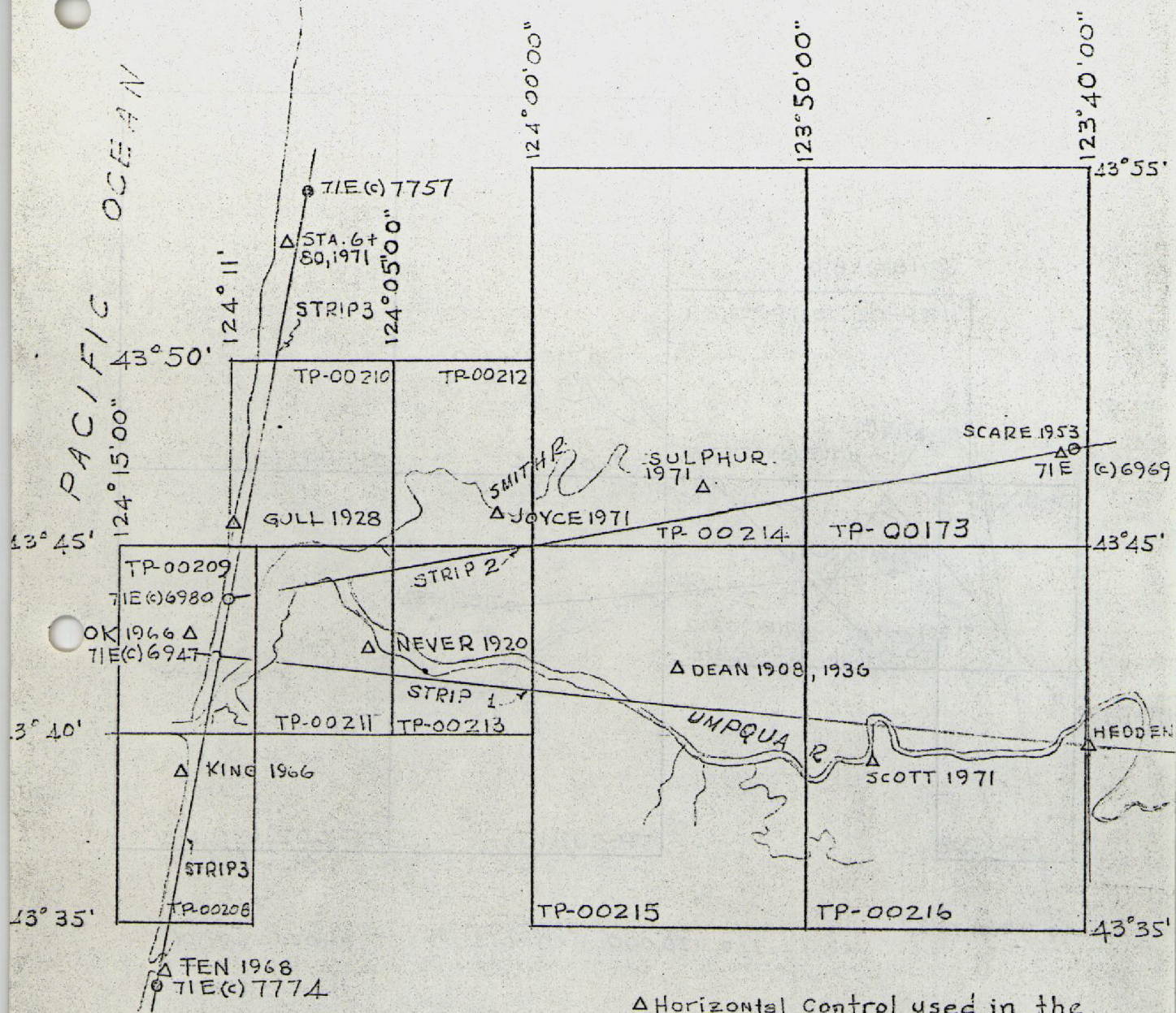
1:40,000 scale

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

10
Sketch 1



Δ Horizontal Control used in the
adjustment
01:40,000 Photography
01:30,000 Photography

JOB PH-6607
UMPQUA & SMITH RIVERS

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

(OVER)

COMPILATION REPORT
TP-00213

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 is only compiled a short distance from the shoreline.

35. Shoreline and Alongshore Detail

Shoreline was compiled on B-8 by office interpretation. Piles and dolphins that are used for log booms could not be seen and will be located by field edit.

Shoal line will have to be determined by field edit.

36. Offshore Details - None

37. Landmarks and Aids

Two aids to navigation were located by photographs and one will have to be located by the field party. No landmarks.

38. Control for Future Surveys - None

39. Junctions

Refer to form 76-36b.

40. Horizontal and Vertical Accuracy

See photogrammetric plot report.

41. thru 45. Inapplicable

46. Comparison with Existing Maps

Comparison was made with USGS quadrangle Reedsport, Oregon, scale 1:62,500, dated 1956.

47. Comparison with Nautical Charts

Comparison was made with Nautical Chart No. 6004, scale 1:20,000 36th edition, dated Aug. 15, 1970.

Items to be Applied to Nautical Charts Immediately - None

Items to be Carried forward:- None

Respectfully submitted,

Frank Wright (for)
John 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-00213

Blacks Island

Brainard Creek

Butler Creek

Dean Creek

East Gardiner

Frantz

Frantz Creek

Hakki Creek

Hudson Slough

Oar Creek

Otter Creek

Otter Slough

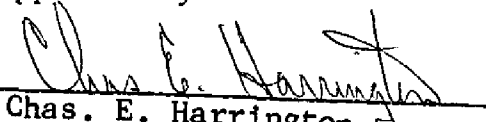
Scholfield Creek

Smith River

Southern Pacific Lines

Umpqua River

Approved by


Chas. E. Harrington
Staff Geographer-C51x2

TP-00213

FIELD EDIT REPORT

CHART TOPOGRAPHY AND SMALL CRAFT FACILITIES INVESTIGATION

Umpqua and Smith Rivers, Oregon

September - October 1972

Map Manuscripts TP-00213 thru TP-00216

Project PH-6607

16

16

FIELD EDIT REPORT

Chart Topography and Small Craft Facilities Investigation
Umpqua and Smith Rivers, Oregon
September - October 1972
Map Manuscripts TP-00213 thru TP-00216
Project PH-6607

This report covers an area of the Umpqua and Smith Rivers from the vicinity of the town of Reedsport eastward to the limits of small boat travel.

The entire shoreline was inspected from a small boat. The field edit copies (discrepancy sheets) of the map manuscripts were used as the index for the field corrections and the photographs containing the bulk of the corrections. However, minor corrections and deletions may only appear on the photographs and the cross referenced to the map manuscripts will be by photo number only.

Both rivers pass through narrow, steep sloped, wooded canyons, with narrow low lands and marshes along shore. Small farms and cattle grazing areas are in evidence where the land is suitable to support such activities.

Logging operations are in evidence along both rivers. Sand-gravel dredges and their transporting barges can be found in certain areas of the Umpqua River, recovering bottom aggregates.

Numerous piling and dolphins can be found along the shoreline of both rivers. Apparently the piling was and is used to secure log rafts.

The majority of the piling is old and untreated and it is in various stages of decay, but they still constitute a hazard to navigation.

Piers and wharves are few. Most of the along shore mooring features are floating piers secured to the shore and are able to compensate for the rise and fall of the rivers due to tidal and spring freshet influence.

All fixed aids to navigation were investigated and located photogrammetrically. One aid, Echo Island Lower Light A, was not on station during the initial field edit in September 1972. The site was revisited in October 1972 and the light, which had been rebuilt was then located. They have been listed on form 76-40.

No landmarks, worthy of listing on form 76-40, were found, although, several features were indicated on the photography as being of landmark value.

Numerous power cable crossings over both rivers were found, except in a few cases the crossings were minor, overhead wires leading to dwellings.

Small craft facilities were investigated and each one has been entered on form 77-3, also cross-referenced to the photos and field edit sheets.

The shoreline along the Umpqua River is usually rocky, sand-mud or boulders with adjacent or overhanging trees. In the vicinity of Scottsburg, numerous bottom and shoreline rocks are evident, also rapids. This was the extent of the upstream skiff travel during the month of September 1972. The shoreline along the Smith River is mostly of an "earth" composition (sand-mud), near the upstream limits of skiff travel, scattered boulders and a rocky bottom were observed.

The Smith River also contains several islands near its confluence with the Umpqua River. These islands are usually of a marshy composition and subject to inundation during the higher tides or spring freshets.

A formal geographic names report is not being submitted. New names or deletions appear on the field edit sheets.

Pertinent information pertaining to each individual discrepancy sheet will be entered under that specific sheet.

Sheet TP-00213

The 1971 field edit indicated lines of piling over bare islands. These islands are "marshy" with tall grass and are subject to periodic inundation.

Hinsdale Light 18 was compiled as Light 15. Hinsdale Light 15 was not compiled. See photo 71E 6951 for location of both of the above mentioned lights.

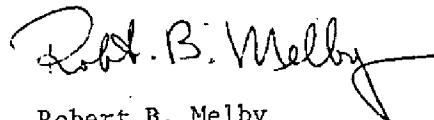
Sheet TP-00214

A silo of landmark value is noted on this sheet. It is not listed on form 76-40. The extent of the upstream travel by skiff has been indicated on this sheet.

Sheet TP-00216

The rapids as compiled on this sheet are correct. Numerous rocks, boulders, and similiar bottom characteristics are in evidence. Upstream of the fixed span, highway bridge a small groin was compiled. Apparently this feature was disturbed during a spring freshet and only a gravel flat remains at this date. The upstream extent of small boat travel has been indicated. At a higher river stage, further upstream travel may be possible but hazardous due to rocks, etc.

Respectfully Submitted,

A handwritten signature in dark ink, appearing to read "Robert B. Melby". The signature is fluid and cursive, with a long horizontal stroke extending to the right.

Robert B. Melby
Chief, Photo Party, PMC

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 00213

UMPQUA AND SMITH RIVER

52. ADEQUACY OF COMPILATION

Compilation was adequate considering no previous field inspection. A boat pier at Lat. $43^{\circ}44.0'$, Long. $124^{\circ}04.75'$ was not delineated and the dolphin line to the east was only partially mapped. Numerous pilings and dolphin lines were not mapped, but visible on the photos; these have been identified and indexed to the appropriate photograph.

54. RECOMENDATIONS

See TP 00211

56. GEOGRAPHIC NAMES

A specific names investigation revealed no changes.

57. FIXED AIDS TO NAVIGATION AND LANDMARKS

Three fixed aids appear on this manuscript; two were office identified and verified and one was resected by sextant from photo control. There are no landmarks.

58. ADDITIONAL INFORMATION

One bridge clearance and 3 overhead cable clearances were measured and recorded. Sextant fixes and delineated map detail were used to show where overhead cables cross the mapped shoreline.

Sextant resections were also employed to delineate 3 lines of broken and submerged piles. The remaining additions and corrections are visible on the photos and are indexed to the appropriate photograph on the field ozalid. All roads were classified. Photos 6856, 57, 58 and 6873 and 6874 contain field edit notes.

Respectfully submitted,

Roger P. Hewitt

Roger P. Hewitt LTJG/NOAA

Gerald C. Saladin

Gerald C. Saladin CDR/NOAA
C.O. NOAA Ship DAVIDSON

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-00213
August 1975

61. General Statement

See summary, page 6 of this report.

62. Comparison with Registered Topographic Surveys

T-8951, T-8953, July 1952, scale 1:10,000

Discrepancies exist in the position and amount of pilings. They are not visible on the photography and were not mentioned by the field editor.

Except for the above-mentioned pilings, that portion which is covered by this sheet is superseded for charting.

63. Comparison with Maps of other Agencies

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

64. Comparison with Contemporary Hydrographic Surveys

H-9238, Oct-Nov. 1971, scale 1:10,000.

Class I manuscript has been applied. Shoreline change at lat. 124°04'45", long. 43°42'00".

65. Comparison with Nautical Charts

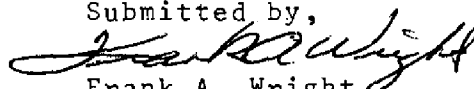
Chart 6004, 38th edition, July 1974, scale 1:20,000

Same discrepancies noted as on Topographic Surveys.

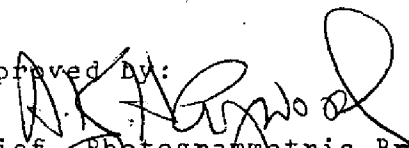
66. Adequacy of Results and Future Surveys

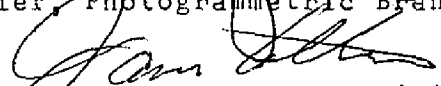
This map complies with the project instructions and meets the National Standards of Map Accuracy.

Submitted by,


Frank A. Wright
Cartographer

Approved by:


Chief, Photogrammetric Branch


Chief, Coastal Mapping Division

NOAA FORM 76-40 (8-74) Replaces C&GS Form 567.				U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION				ORIGINATING ACTIVITY					
NONFLOATING AIDS OR MARKERS FOR CHARTS				LOCALITY				DATE					
REPORTING UNIT (Field Party, Ship or Office)				STATE				DATE					
Rockville, MD				Oregon				Umpqua & Smith Rivers					
TO BE CHARTED TO BE REVISED TO BE DELETED				HAVE <input type="checkbox"/> HAVE NOT <input type="checkbox"/>				been inspected from seaward to determine their value as landmarks.					
OPR PROJECT NO.				JOB NUMBER				DATUM					
PH-6607				TP-00213				N.A. 1927					
DESCRIPTION (Record reason for deletion of landmark or aid to navigation. Show triangulation station names, where applicable, in parentheses.)				LATITUDE				LONGITUDE					
				° / ' " D.M. Meters				° / ' " D.P. Meters					
CHARTING NAME				POSITION				METHOD AND DATE OF LOCATION (See instructions on reverse side)					
				° / ' " D.M. Meters				OFFICE					
				° / ' " D.P. Meters				FIELD					
				° / ' " D.P. Meters				CHARTS AFFECTED					
			UMPQUA RIVER										
Light 8			Macey Sands Light 8	43	41		53.62	124	04		23.80	F-4, 8-L	6004
Light 15			Hinsdale Light 15	43	42		0.42	124	01		47.78	P-5 9-13-72	669-SC
Light 18			Hinsdale Light 18	43	41		13.0	124	00		1070.0	"	"
			Hinsdale lt. 12 reported to have been moved approx. 600 yds due west in Sept. 1974, per Mr. Harrison, 13C.G. Dist. Position not listed. Info. from J.M. Dailey 9-20-74				49.31	124	00		39.12		
							1522.0				876.0		

RESPONSIBLE PERSONNEL	
TYPE OF ACTION	NAME
OBJECTS INSPECTED FROM SEAWARD	
POSITIONS DETERMINED AND/OR VERIFIED	R.P. Hewitt LTJG & R.B. Melby
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)	
OFFICE 1. 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 (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
FIELD I. NEW POSITION DETERMINED OR VERIFIED 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	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.
*FIELD POSITIONS are determined by field observations based entirely upon ground survey methods.	