TP-00214

TP-00214

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-00214..

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

Field Edited Map

LOCALITY

State .....Oregon.....

General Locality ...Smith River.....

Locality ...Sulpher Springs.....

.....

19 71 TO 19 72

REGISTRY IN ARCHIVES

DATE .....

☆ U.S. GOVERNMENT PRINTING OFFICE: 1973-761-778

(1)

NOAA FORM 76-36A (3-72) — U. S. DEPARTMENT OF COMMERCE, NATIONAL OCEANIC AND ATMOSPHERIC ADMIN.

DESCRIPTIVE REPORT - DATA RECORD

TYPE OF SURVEY
- [x] ORIGINAL
- [ ] RESURVEY
- [ ] REVISED

SURVEY TP- 00214
MAP EDITION NO. (1)
MAP CLASS Final
JOB PH- 6607

PHOTOGRAMMETRIC OFFICE
Rockville, Maryland

OFFICER-IN-CHARGE
Jack E. Guth

LAST PRECEEDING MAP EDITION
TYPE OF SURVEY
- [ ] ORIGINAL
- [ ] RESURVEY
- [ ] REVISED

JOB PH-
MAP CLASS
SURVEY DATES:
19__ TO 19__

I. INSTRUCTIONS DATED

1. OFFICE	2. FIELD
Aerotriangulation-Aug. 11, 1971 Compilation, Sept. 10, 1971	Field Support-May 7, 1971 Field Edit & Small Craft Facilities Investigation Aug. 1, 1972

II. DATUMS

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

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

3. MAP PROJECTION: Polyconic

4. GRID(S): STATE: Oregon; ZONE: South

5. SCALE: 1:20,000 — STATE: ; ZONE:

III. HISTORY OF OFFICE OPERATIONS

OPERATIONS		NAME	DATE
1. AEROTRIANGULATION METHOD: Analytic	BY	J. Schad	4/72
	LANDMARKS AND AIDS BY	None	
2. CONTROL AND BRIDGE POINTS METHOD: Coradomat	PLOTTED BY	D. Phillips	4/72
	CHECKED BY		
3. STEREOSCOPIC INSTRUMENT COMPILATION INSTRUMENT: B-8 SCALE: 1:20,000	PLANIMETRY BY	R. Rich	5/72
	CHECKED BY	J. Richter	5/72
	CONTOURS BY	N.A.	
	CHECKED BY		
4. MANUSCRIPT DELINEATION METHOD: from worksheet SCALE: 1:20,000	PLANIMETRY BY	J. Richter	5/72
	CHECKED BY	J.P.Battley,Jr.	6/72
	CONTOURS BY	N.A.	
	CHECKED BY		
	HYDRO SUPPORT DATA BY	N.A.	
	CHECKED BY		
5. OFFICE INSPECTION PRIOR TO FIELD EDIT	BY	J.P.Battley,Jr.	6/72
6. APPLICATION OF FIELD EDIT DATA	BY	H. Lucas	1972
	CHECKED BY	None	
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. CATDK	12/76

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

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

NOAA FORM 76-36B
(3-72)

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

COMPILATION SOURCES

TP-00214

1. COMPILATION PHOTOGRAPHY

CAMERA(S): E 6" focal length

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

TIME REFERENCE
ZONE: Western
MERIDIAN: 120th
☐ STANDARD
☒ DAYLIGHT

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

NUMBER AND TYPE	DATE	TIME	SCALE	STAGE OF TIDE
71E 6972-6976	7/25/71	2:05	1:40,000	N.A.

REMARKS
1:20,000 ratio prints furnished for field edit.

2. SOURCE OF MEAN HIGH-WATER LINE:

Office interpretation from photographs dated July 25, 1971

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	EAST	SOUTH	WEST
No contemporary survey	No contemporary Survey	TP-00215	TP-00212 (1:10,000)

REMARKS

NOAA FORM 76-36B
(3-72)

* U.S. G.P.O. 1972-769381/568 REG.#6

NOAA FORM 76-36C
(3-72)

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

TP-00214

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 ☐ COMPLETE ☐ SPECIFIC NAMES ONLY ☐ NO INVESTIGATION — BY		
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)*

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

NOAA FORM 76-36C
(3-72)

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

TP-00214

HISTORY OF FIELD OPERATIONS

I. ☐ FIELD INSPECTION OPERATION ☒ FIELD EDIT OPERATION.

OPERATION		NAME	DATE
1. CHIEF OF FIELD PARTY		R.B. Melby	10/72
2. HORIZONTAL CONTROL	RECOVERED BY	None	
	ESTABLISHED BY	None	
	PRE-MARKED OR IDENTIFIED BY	None	
3. VERTICAL CONTROL	RECOVERED BY	None	
	ESTABLISHED BY	None	
	PRE-MARKED OR IDENTIFIED BY	None	
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 ☐ COMPLETE ☒ SPECIFIC NAMES ONLY ☐ NO INVESTIGATION BY	R.B. Melby	10/72
6. PHOTO INSPECTION	CLARIFICATION OF DETAILS BY	R.B. Melby	10/72
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 ☒ NONE

6. BOUNDARY AND LIMITS: ☐ REPORT ☒ NONE

7. SUPPLEMENTAL MAPS AND PLANS

None

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

None

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

NOAA FORM 76-36D
(3-72)

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

RECORD OF SURVEY USE

TP-00214

I. MANUSCRIPT COPIES

COMPILATION STAGES			DATE MANUSCRIPT FORWARDED	
DATA COMPILED	DATE	REMARKS	MARINE CHARTS	HYDRO SUPPORT
Shoreline and along-shore features	may,1972	No records of copy being furnished		
Field edit applied-not checked	1972	" "		
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
			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:

*Not 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)*

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

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

Summary to Accompany
Descriptive Report TP-00 214

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, Umpaqua 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.

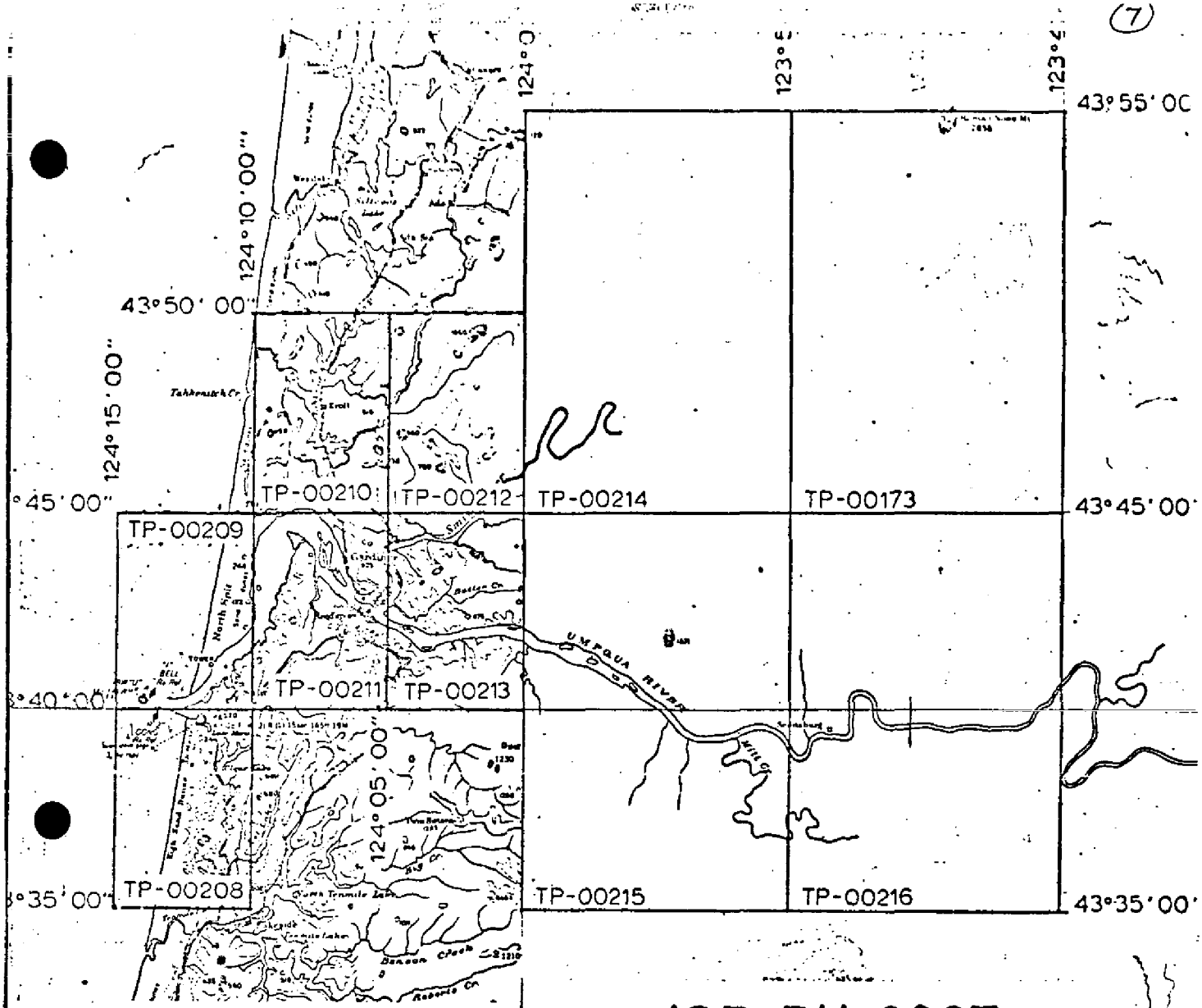
Stable base copies and ratio color prints were furnished for hydro support and field edit. Field edit was accomplished in November 1971 on these sheets.

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.

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



JOB PH-6607

UMPQUA & SMITH RIVERS, OREGON

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

OFFICIAL MILEAGE

For Cost Accounts

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

TP-00214(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

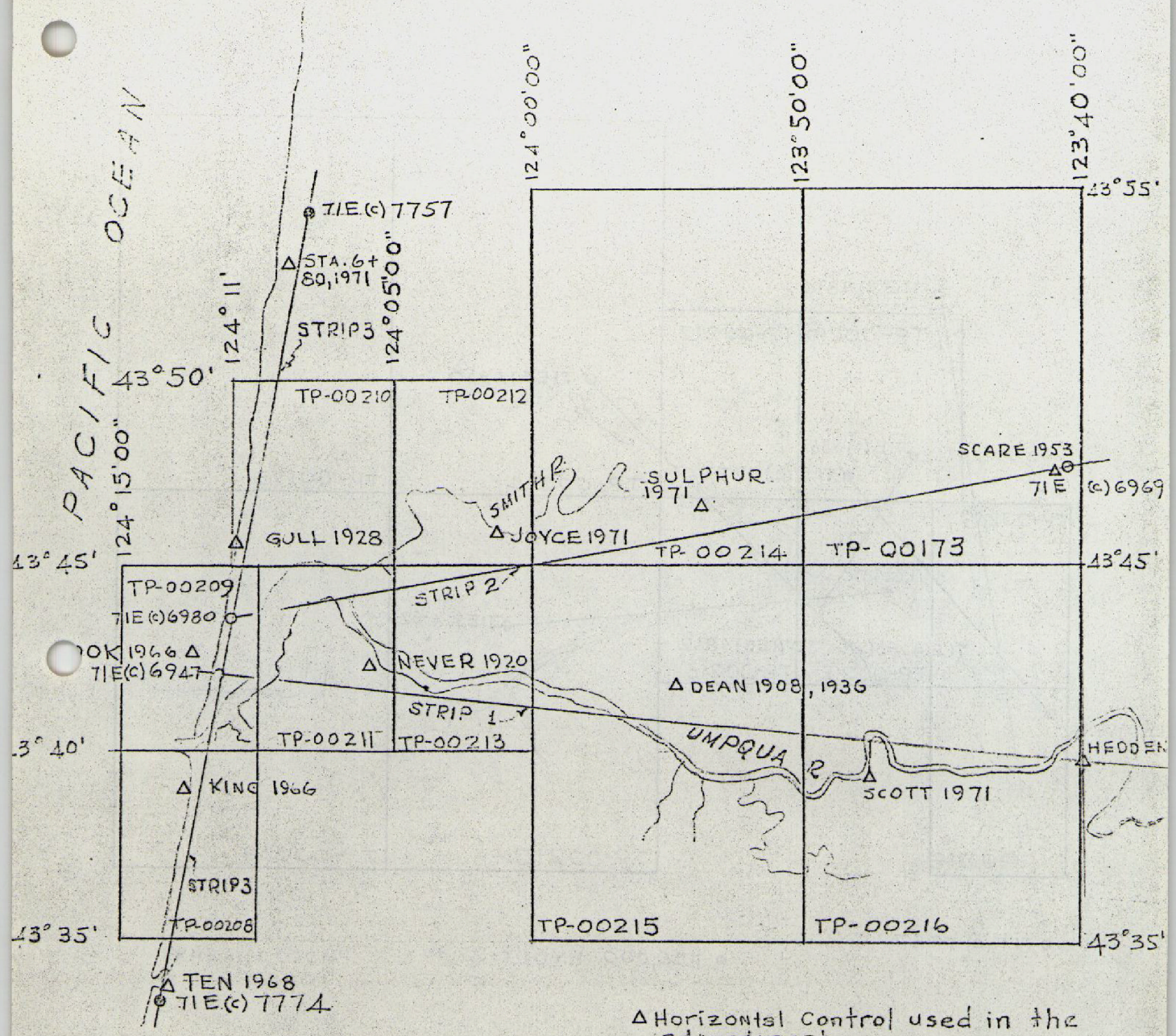
Strip 1 - 71-E(C)-6947 thru 6942
Strip 2 - 71-E(C)-6969 thru 6980

1:30,000 scale

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

(10)

Sketch 1



△ 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

OVER

Compilation Report
TP-00214

31. Delineation

The 1:40,000 scale color photography was set on the B-8 to compile at 1:20,000 scale. Shoreline and alongshore detail inshore to the limits of the photograph were delineated for construction of new small craft chart, No.669 SC, which will cover the SMITH RIVER. The 1:40,000 scale photographs were ratioed to 1:20,000 scale for use in field inspection.

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 and Drainage

Contours are inapplicable. Important drainage compiled.

35. Shoreline and Alongshore Detail

Shoreline was compiled for office interpretation. The area east of Sulphur Springs community is almost impassable due to rapids and shallow areas.

36. Offshore Detail - None

37. Landmarks and Aids - None

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 Goodwin Peak, Oregon, scale 1:62,500, dated 1956.

47. Comparison with Nautical Charts - Not applicable.

Respectfully submitted,

Frank Wright (for)

John C. Richter
Carto(Photo)

Approved and forwarded:

Peter P. Battley Jr

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

(14)

13 August 1975

GEOGRAPHIC NAMES

FINAL NAME SHEET

PH-6607 (Oregon)

TP-00214

Cassady Creek

Dailey Ranch

Eslick Creek

Murphy Creek

Noel Creek

North Fork

Smith River

Smith River Grange

Spencer Creek

Sulfur Springs

Wassen Creek

Weiss Ranch

Approved by

Chas. E. Harrington
Staff Geographer-C51x2

(15)

TP-00214

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

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 photogrametrically. 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,

Robert B. Melby
Chief, Photo Party, PMC

Review Report
TP-00214
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 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:

Chief, Photogrammetric Branch

Chief, Coastal Mapping Division