TP-00209

TP-00209

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-00209..

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

Field Edited Map

LOCALITY

State ...Oregon.....

General Locality ..Umpqua River.....

Locality ..Pacific Ocean & Umpqua River..

.....

19 71 TO 1971

REGISTRY IN ARCHIVES

DATE .....

☆ U.S. GOVERNMENT PRINTING OFFICE: 1973-761-775

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. 00209

MAP EDITION NO. (1)

MAP CLASS Final

JOB PH. 6607

PHOTOGRAMMETRIC OFFICE: Rockville, Maryland

OFFICER-IN-CHARGE: Jack 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 - August 11, 1971 Compilation, September 10, 1971	Field Support - May 7, 1971

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: 1:10,000 — STATE; ZONE

III. HISTORY OF OFFICE OPERATIONS

OPERATIONS		NAME	DATE
1. AEROTRIANGULATION METHOD: Analytic	BY	D. Brant	9/71
	LANDMARKS AND AIDS BY		
2. CONTROL AND BRIDGE POINTS METHOD: Coradi	PLOTTED BY	D. Phillips	9/71
	CHECKED BY		
3. STEREOSCOPIC INSTRUMENT COMPILATION INSTRUMENT: B-8 SCALE: 1:10,000	PLANIMETRY BY	J. Taylor	10/71
	CHECKED BY	J.P. Battley,Jr.	10/71
	CONTOURS BY	N.A.	
	CHECKED BY		
4. MANUSCRIPT DELINEATION	PLANIMETRY BY	J. Taylor	10/71
	CHECKED BY	J.P. Battley,Jr.	10/71
METHOD:	CONTOURS BY	N.A.	
	CHECKED BY		
	HYDRO SUPPORT DATA BY	J. Taylor	
SCALE: 1:10,000	CHECKED BY	J.P. Battley,Jr.	10/71
5. OFFICE INSPECTION PRIOR TO FIELD EDIT	BY	J.P. Battley,Jr.	10/71
6. APPLICATION OF FIELD EDIT DATA	BY	H. Lucas	72
	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. CATOE	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

TP-00209

COMPILATION SOURCES

1. COMPILATION PHOTOGRAPHY

CAMERA(S)
E 6" focal length

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

TIME REFERENCE
ZONE: Pacific
☒ STANDARD ☐ DAYLIGHT
MERIDIAN: 120

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

NUMBER AND TYPE	DATE	TIME	SCALE	STAGE OF TIDE
71E(C)7764 - 7769	9/3/71	6:15 pm	1:30,000	N.A.
71E(C)7803 & 7804	9/3/71	6:47 pm	1:20,000	N.A.
71E(C)7781 - 7787	9/3/71	6:35 pm	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	EAST	SOUTH	WEST
TP-00210	TP-00211	TP-00208	No contemporary Survey

REMARKS

* 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-00209

HISTORY OF FIELD OPERATIONS

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 ☐ 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

(4)

NOAA FORM 76-36C
(3-72)

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

TP-00209

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	11/71
	LOCATED *(Field Methods)* BY	R.P. Hewitt	11/71
	IDENTIFIED BY	R.P. Hewitt	11/71
5. GEOGRAPHIC NAMES INVESTIGATION	TYPE OF INVESTIGATION ☐ COMPLETE ☒ SPECIFIC NAMES ONLY ☐ NO INVESTIGATION — BY	R.P. Hewitt	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

See Form 76-40 in this report.

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)*

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

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NOAA FORM 76-36D
(3-72)

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

TP-00209

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	10/71			Date Unknown
Field Edit Applied Not checked	1972	Copy to charts and hydro smooth sheet processing	Date Unknown	
Final Review	Aug 1975		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 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)*

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

NOAA FORM 76-36D

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

(6)

Summary to Accompany
Descriptive Report TP-00209

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 to 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.

A copy of this sheet was furnished to charts before any review was made. Refer to review report for particulars.

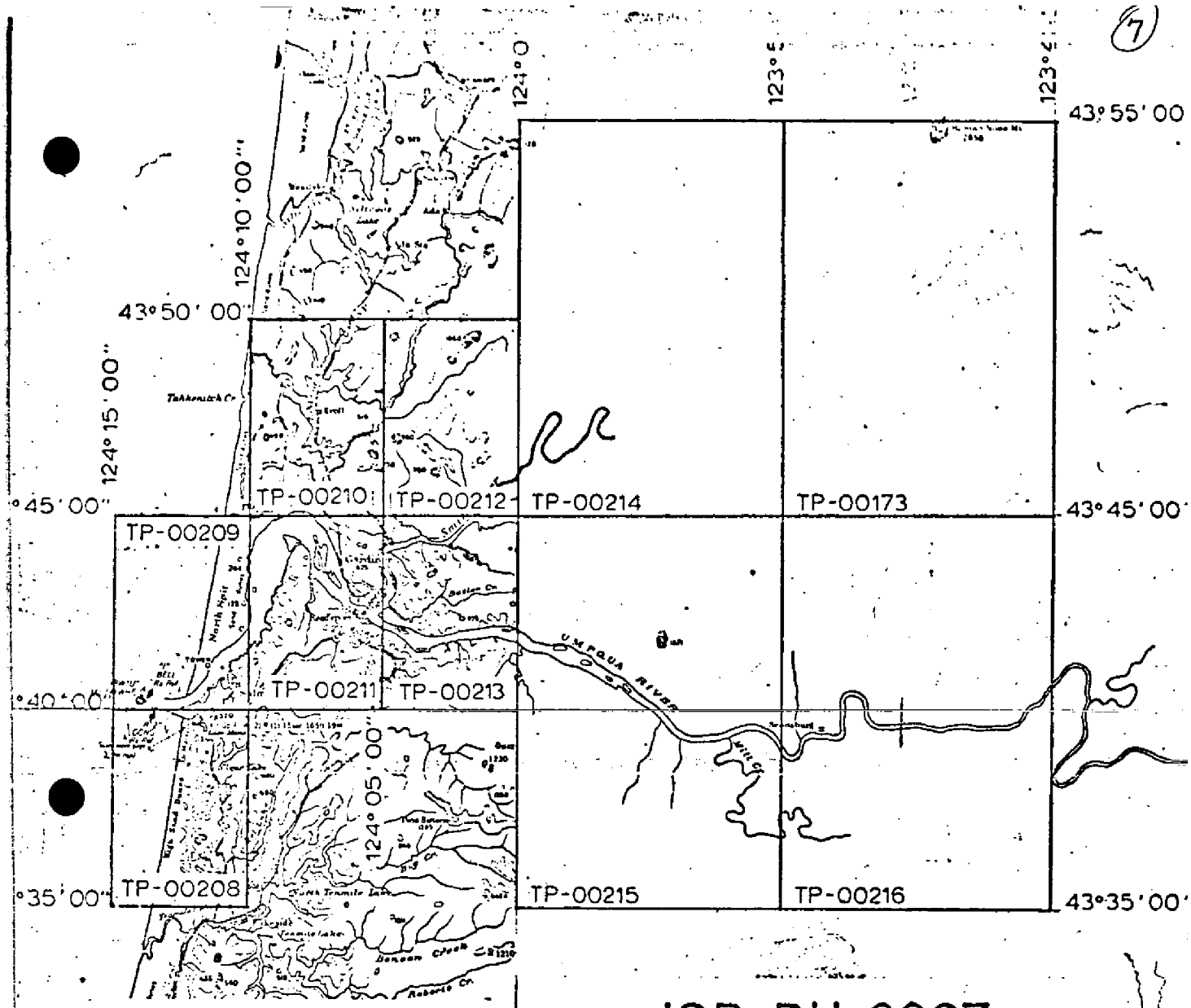
Compilation of TP-00214 through TP-00216 was accomplished on the Wild B-8 plotter in May 1972. Copies of the map manuscripts and ratio color prints were furnished for field edit.

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.

(7)



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

JOB PH-6607

UMPQUA & SMITH RIVERS, OREGON

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

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:

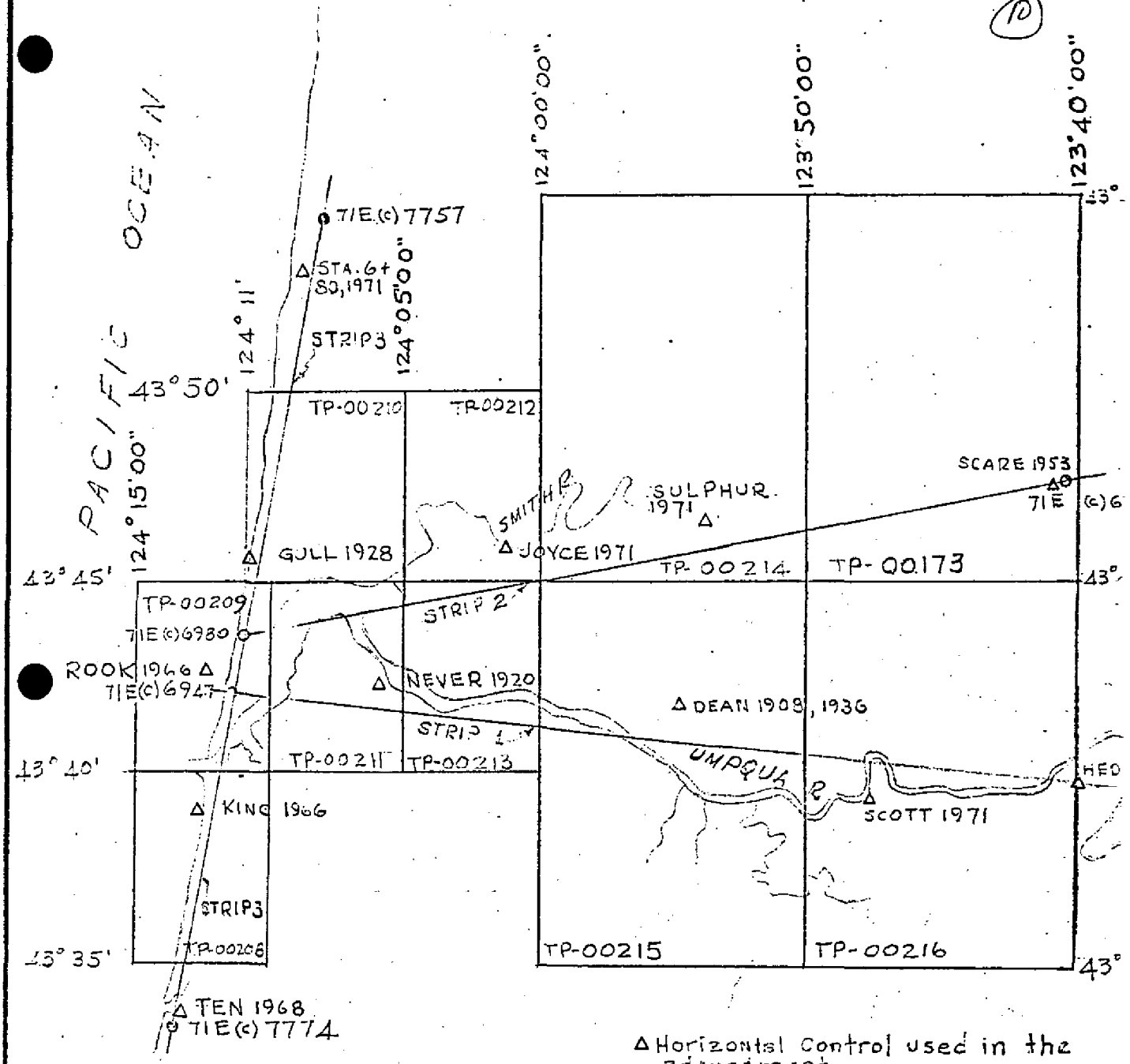
Donald M. Brant
Cartographer

Approved by:

Henry P. Eichert, Chief
Aerotriangulation Section

Sketch 1

(10)



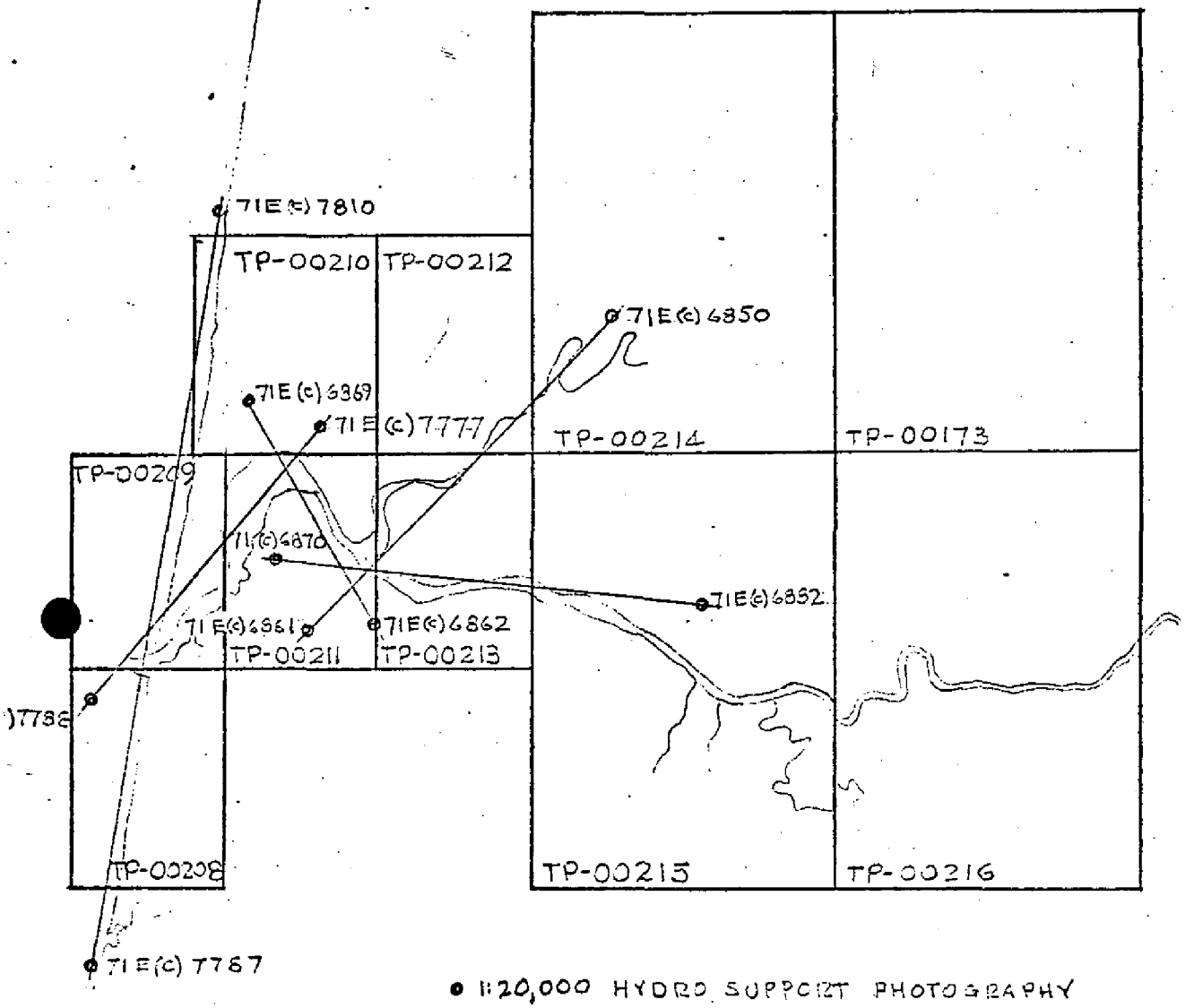
△ Horizontal Control used in the adjustment
○ 1:40,000 Photography
● 1:30,000 Photography

JOB PH-6607
UMPQUA & SMITH RIVERS.

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

Sketch 2

(11)



• 1:20,000 HYDRO SUPPORT PHOTOGRAPHY

Compilation Report
TP-00209

31. Delineation

The 1:40,000 scale color photography was set on the B-8 stereoplotter and compiled at 1:10,000 scale. Shoreline and alongshore detail and 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 - Inapplicable

35. Shoreline and Alongshore Detail

Shoreline was compiled on B-8 by office interpretation. One dolphin shown on Nautical Chart 6004 could not be seen and should be located or verified by field edit. Reef line, presumed to be gone, will have to be determined by field edit.

There was no field inspection for this project.

36. Offshore Details - Inapplicable

37. Landmarks and Aids

Five aids to navigation were located by photographs. 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 U.S.G.S. 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 August 15, 1970.

Items to be applied to Nautical Charts Immediately: None

Items to be Carried Forward: None.

Respectfully submitted,

James Taylor

James Taylor
Carto Tech. (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-00209

Army Hill

Brushy Hill

Cornwall Point

Pacific Ocean

Salmon Harbor

Siuslaw National Forest

Umpqua River

Winchester Bay (locality)

Winchester Bay (water)

Winchester Point

Approved by

Chas. E. Harrington
Staff Geographer-C51x2

(15)

T-00209

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 00209

WINCHESTER BAY

52. ADEQUACY OF COMPILATION

Compilation was adequate considering no previous field inspection.

Four triangulation and triangulation intersection stations appear on this manuscript; all were not plotted (BENT, FOUR-MILE LIGHT, CORNWALL (USE) and BUSHY HILL 2). The tower mapped at Lat. 43° 40.5', Long. 124° 10.6' does not exist; A telephone pole, the same height as others in the area and having no mapping importance, approximately occupies this position.

The question "Determine what is in this area", in refrence to the two small coves across the river from Salmon Harbor entrance, was not clearly understood. Both areas are bare at MLLW as mapped and hence are littered with logs and other floating debris; the northern cove contains 3 dolphins visible on photo 7784.

54. RECOMMENDATIONS

See TP 00211

56. GEOGRAPHIC NAMES

A specific geographic names investigation revealed one change; In the Winchester Bay area "Salmon Harbor" refers to the eastern most boat and yacht basin. "Winchester Bay" refers to the newly constructed westernmost 3 yacht basins which occupy the same approximate geographic area as the shallow cove known formerly as Winchester Bay.

57. FIXED AIDS TO NAVIGATION AND LANDMARKS

Five fixed aids to navigation appear on this manuscript; one is triangulation, 3 were located by theodolite intersection, and one was office identified and field verified. There are no landmarks on this map.

58. ADDITIONAL INFORMATION

The four towers, which were office plotted, are Army Corps of Engineers dredge ranges which should be charted as such but not as landmarks. Six Army Corps of Engineers dredge signals were located on this manuscript; they consist of a white fence type structure and should be mapped as shoreline detail. All jettys are in good condition; the trestles used in construction are in ruins however. Four triangulation stations were searched for and a form 526 submitted for each; all roads were classified. Photos 7781 thru 7786 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-00209
Shoreline
August 1975

61. General Statement

An unreviewed (Class I) copy of this map was furnished to charts and applied to chart 6004, Edition of 1972.

Objects identified as Corps of Engineers dredge signals by the field editor were not on this copy. These were recommended to be charted but not as landmarks.

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 with the following exceptions:

Dolphins at Lat. 43°41'20", Long. 124°11'00" and piling across mouth of cove at Lat. 43°41'25" Long. 124°10'10". These objects were not mentioned by the field editor and are not visible on the photography.

63. Comparison with Maps of Other Agencies

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

64. Comparison with Contemporary Hydrographic Surveys

H-9239, October-December 1971, scale 1:10,000.

Dolphins mentioned in Item 62. Hydrographer reported they no longer exist.

65. Comparison with Nautical Charts

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

Examination indicates this sheet has been applied to Chart 6004. See Item 61 (General Statement). The pier at Lat. 43°40'35", Long 124°11'13" is not in ruins as shown.

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

Approved and forwarded:

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

NONFLOATING AIDS ~~OR LANDMARKS FOR CHARTS~~

ORIGINATING ACTIVITY
- ☐ HYDROGRAPHIC PARTY
- ☐ GEODETIC PARTY
- ☐ PHOTO FIELD PARTY
- ☒ COMPILATION ACTIVITY
- ☐ FINAL REVIEWER
- ☐ QUALITY CONTROL & REVIEW GRP.
- ☐ COAST PILOT BRANCH

(See reverse for responsible personnel)

- ☒ TO BE CHARTED
- ☐ TO BE REVISED
- ☐ TO BE DELETED

REPORTING UNIT (Field Party, Ship or Office)	STATE	LOCALITY	DATE
Rockville, MD	MD	Umpqua River, Oregon	10/71

The following objects HAVE ☐ HAVE NOT ☐ been inspected from seaward to determine their value as landmarks.

OPR PROJECT NO.	JOB NUMBER	SURVEY NUMBER	DATUM
	PH-6607	TP-00209	N.A. 1927

CHARTING NAME	DESCRIPTION (Record reason for deletion of landmark or aid to navigation. Show triangulation station names, where applicable, in parentheses)	POSITION LATITUDE ° ′	LATITUDE ″ D.M. Meters	POSITION LONGITUDE ° ′	LONGITUDE ″ D.P. Meters	METHOD AND DATE OF LOCATION (See instructions on reverse side) OFFICE	FIELD	CHARTS AFFECTED
	UMPQUA RIVER							
Jetty LIGHT 2A		43 40	1.17 36.0	124 12	27.41 614.0		F-3-6-L Nov. 1971	6004
Turn LIGHT 4	Umpqua River Turn Lt. 4, 1966	43 40	8.53 262.3	124 11	58.19 1301.3		Triang. Rec. Nov. 1971	"
Salmon Harbor Entrance-LT.1		43 41	9.72 300.0	124 10	45.77 1025.0		F-3-6-L Nov. 1971	"
Salmon Harbor Entrance-LT.2		43 41	8.17 252.0	124 10	50.14 1123.0		"	"
Salmon Harbor Directional Light		43 40	48.93 1510.0	124 10	36.25 812.0		P-V-VIS	"

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RESPONSIBLE PERSONNEL		
TYPE OF ACTION	NAME	ORIGINATOR
OBJECTS INSPECTED FROM SEAWARD		☐ PHOTO FIELD PARTY ☐ HYDROGRAPHIC PARTY ☐ GEODETIC PARTY ☐ OTHER *(Specify)*
POSITIONS DETERMINED AND/OR VERIFIED	R.P. Hewitt LTJG	FIELD ACTIVITY REPRESENTATIVE
	J. Keating +	OFFICE ACTIVITY REPRESENTATIVE
FORMS ORIGINATED BY QUALITY CONTROL AND REVIEW GROUP AND FINAL REVIEW ACTIVITIES		☐ REVIEWER ☐ QUALITY CONTROL AND REVIEW GROUP REPRESENTATIVE

INSTRUCTIONS FOR ENTRIES UNDER 'METHOD AND DATE OF LOCATION'

(Consult Photogrammetric Instructions No. 64)

OFFICE

I. 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

I. NEW POSITION DETERMINED OR VERIFIED
Enter the applicable data by symbols as follows:

F - Field	P - Photogrammetric
L - Located	Vis - Visually
V - Verified	
1 - Triangulation	5 - Field Identified
2 - Traverse	6 - Theodolite
3 - Intersection	7 - Planetable
4 - Resection	8 - Sextant

A. Field positions* require entry of method of location and date of field work.
EXAMPLE: F-2-6-L
8-12-75

*FIELD POSITIONS are determined by field observations based entirely upon ground survey methods.

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

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.