

00027

00027

<p>Form 504</p> <p>U. S. DEPARTMENT OF COMMERCE</p> <p>COAST AND GEODETIC SURVEY</p> <h2 style="text-align: center;">DESCRIPTIVE REPORT</h2>	
<p>Type of Survey <u>Chart Topography</u></p>	
<p>Field No. <u>PH-6804</u> Office No. <u>TP-00027</u></p>	
<p>LOCALITY</p>	
<p>State <u>Washington</u></p>	
<p>General locality <u>Snake River</u></p>	
<p>Locality <u>Lower Monumental Pool</u></p>	
<p><u>1968-70</u></p>	
<p>CHIEF OF PARTY</p>	
<p><u>Richard H. Houlder</u></p>	
<p>LIBRARY & ARCHIVES</p>	
<p>DATE _____</p>	

DESCRIPTIVE REPORT - DATA RECORD

TYPE OF SURVEY

ORIGINAL
 REVISED

SURVEY TP. 00027
JOB PH. 6804

PHOTOGRAMMETRIC OFFICE

Rockville, Maryland

OFFICER-IN-CHARGE

Richard H. Houlder

FOR REVISED SURVEY USE ONLY

ORIGINAL SURVEY DATA:

JOB PH. _____
DATES: _____
19____ TO 19____

I. INSTRUCTIONS DATED

1. OFFICE

Marine Chart Div. April 3, 1968
Aerotriangulation Jan. 8, 1969
Office July 17, 1969
Little Goose
Office Sept. 10, 1969
Aerotriangulation Feb. 10, 1970
Office Feb. 16, 1970

2. FIELD

June 25, 1968
Supplement I Aug. 21, 1968

Little Goose
Aug. 8, 1969
Oct. 6, 1969

II. DATUMS

1. HORIZONTAL: 1927 NORTH AMERICAN

OTHER (Specify)

2. VERTICAL: MEAN HIGH-WATER
 MEAN LOW-WATER
 MEAN LOWER LOW-WATER
 MEAN SEA LEVEL

OTHER (Specify) Normal Pool Level
Lower Monumental 540 MSL
Little Goose 635 MSL

3. MAP PROJECTION

Mercator

4. GRID(S)

STATE ZONE
Washington South

5. SCALE

1:10,000

STATE ZONE

III. HISTORY OF OFFICE OPERATIONS

OPERATIONS	NAME	DATE
1. AEROTRIANGULATION BY METHOD: <i>Analytic</i> LANDMARKS AND AIDS BY	I. I. Saperstein	
2. CONTROL AND BRIDGE POINTS PLOTTED BY METHOD: <i>Coradi</i> CHECKED BY	P. J. Dempsey <i>J. C. Richter</i>	April 1970 " "
3. STEREOSCOPIC INSTRUMENT PLANIMETRY BY COMPILATION CHECKED BY INSTRUMENT: <i>B-8</i> CONTOURS BY SCALE: <i>1:10,000</i> CHECKED BY	<i>J. C. Richter</i> <i>J. C. Richter</i>	Oct. 1969 Oct. 1969
4. MANUSCRIPT DELINEATION PLANIMETRY BY CHECKED BY METHOD: <i>Inked</i> CONTOURS BY SCALE: <i>1:10,000</i> HYDRO SUPPORT DATA BY CHECKED BY	<i>R. A. Youngblood</i> <i>R. A. Youngblood</i>	Oct. 1969 Oct. 1969
5. OFFICE INSPECTION PRIOR TO FIELD EDIT BY	<i>J. P. Battley</i>	<i>Feb 1970</i>
6. APPLICATION OF FIELD EDIT DATA BY CHECKED BY	<i>M. C. Webber</i> <i>J. P. Battley</i>	June 1970 " "
7. COMPILATION SECTION REVIEW BY	<i>J. P. Battley</i>	<i>Oct. 1969</i>
8. FINAL REVIEW BY	<i>J. P. Battley</i>	<i>June 1970</i>
9. DATA FORWARDED TO PHOTOGRAMMETRIC BRANCH BY	<i>J. P. Battley</i>	<i>Aug 1970</i>
10. DATA EXAMINED IN PHOTOGRAMMETRIC BRANCH BY		
11. MAP REGISTERED - COASTAL SURVEY SECTION BY		

COMPILATION SOURCES

1. COMPILATION PHOTOGRAPHY

CAMERA(S) "E" 1968 "L" 1969		TYPES OF PHOTOGRAPHY LEGEND		TIME REFERENCE	
TIDE STAGE REFERENCE <input type="checkbox"/> PREDICTED TIDES <input type="checkbox"/> REFERENCE STATION RECORDS <input type="checkbox"/> TIDE CONTROLLED PHOTOGRAPHY		(C) COLOR X (P) PANCHROMATIC (I) INFRARED		ZONE <input type="checkbox"/> STANDARD MERIDIAN <input type="checkbox"/> DAYLIGHT	
NUMBER AND TYPE	DATE	TIME	SCALE	STAGE OF TIDE	
68-E(C)-6711 thru 6714	July 1968	14:05	1:20,000	Inapplicable	
69-E(C)-2302 thru 2305 1:10,000 ratio Little Goose	Sept. 1969	12:20	1:20,000	Inapplicable	
69-L(C)-2007 thru 2009	Aug. 1969	11:38	1:20,000	Inapplicable	

REMARKS

2. SOURCE OF MEAN HIGH-WATER LINE:

Lower Monumental - Normal pool level 540 ft. MSL office interpretation from color photography dated July 1, 1968, and Sept. 1969. Water level of 1969 photos not known. VERIFIED - FIELD EDIT, MAR.-APRIL 1970

Little Goose - Normal pool level of 635 MSL office interpretation from color photography dated Aug. 6, 1969.

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

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 contem. survey	TP-00028 PH-7001	No contem. survey	TP-00025

REMARKS

HISTORY OF FIELD OPERATIONS TP-00027

I. FIELD INSPECTION OPERATION FIELD EDIT OPERATION

OPERATION	NAME	DATE
1. CHIEF OF FIELD PARTY	R. B. Melby	March-April 1970
2. HORIZONTAL CONTROL RECOVERED BY ESTABLISHED BY PRE-MARKED OR IDENTIFIED BY		
3. VERTICAL CONTROL RECOVERED BY ESTABLISHED BY PRE-MARKED OR IDENTIFIED BY		
4. LANDMARKS AND AIDS TO NAVIGATION RECOVERED (Triangulation Stations) BY LOCATED (Field Methods) BY IDENTIFIED BY		
5. GEOGRAPHIC NAMES INVESTIGATION TYPE OF INVESTIGATION <input type="checkbox"/> COMPLETE BY <input type="checkbox"/> SPECIFIC NAMES ONLY <input type="checkbox"/> NO INVESTIGATION		
6. PHOTO INSPECTION CLARIFICATION OF DETAILS BY	L. L. Riggers	'' ''
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

3. PHOTO NUMBERS (Clarification of details)

4. LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED
L. L. Riggers, R. B. Melby

PHOTO NUMBER	OBJECT NAME	PHOTO NUMBER	OBJECT NAME
69-E-2302	McGUIRE RNG Rr LT		
69-E-2302	McGUIRE RNG FRT LT		
69-E-2302	McGUIRE LT 41		
69-E-2302	McGUIRE LT 43		

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)

* report submitted in 1968 during field inspection

RECORD OF SURVEY USE

I. MANUSCRIPT COPIES

COMPILATION STAGES			DATE MANUSCRIPT FORWARDED	
DATA COMPILED	DATE	REMARKS	MARINE CHARTS	HYDRO SUPPORT
Shoreline, planimetry bathymetric contours	Monumental Oct. 1969 Little Goose	Advance Man. Forwarded to	April 1970	
Field Edit Applied	June 1970 June 1970			

II. LANDMARKS AND AIDS TO NAVIGATION

1. REPORTS TO MARINE CHART DIVISION, NAUTICAL DATA BRANCH

NUMBER	CHART LETTER NUMBER ASSIGNED	DATE FORWARDED	REMARKS

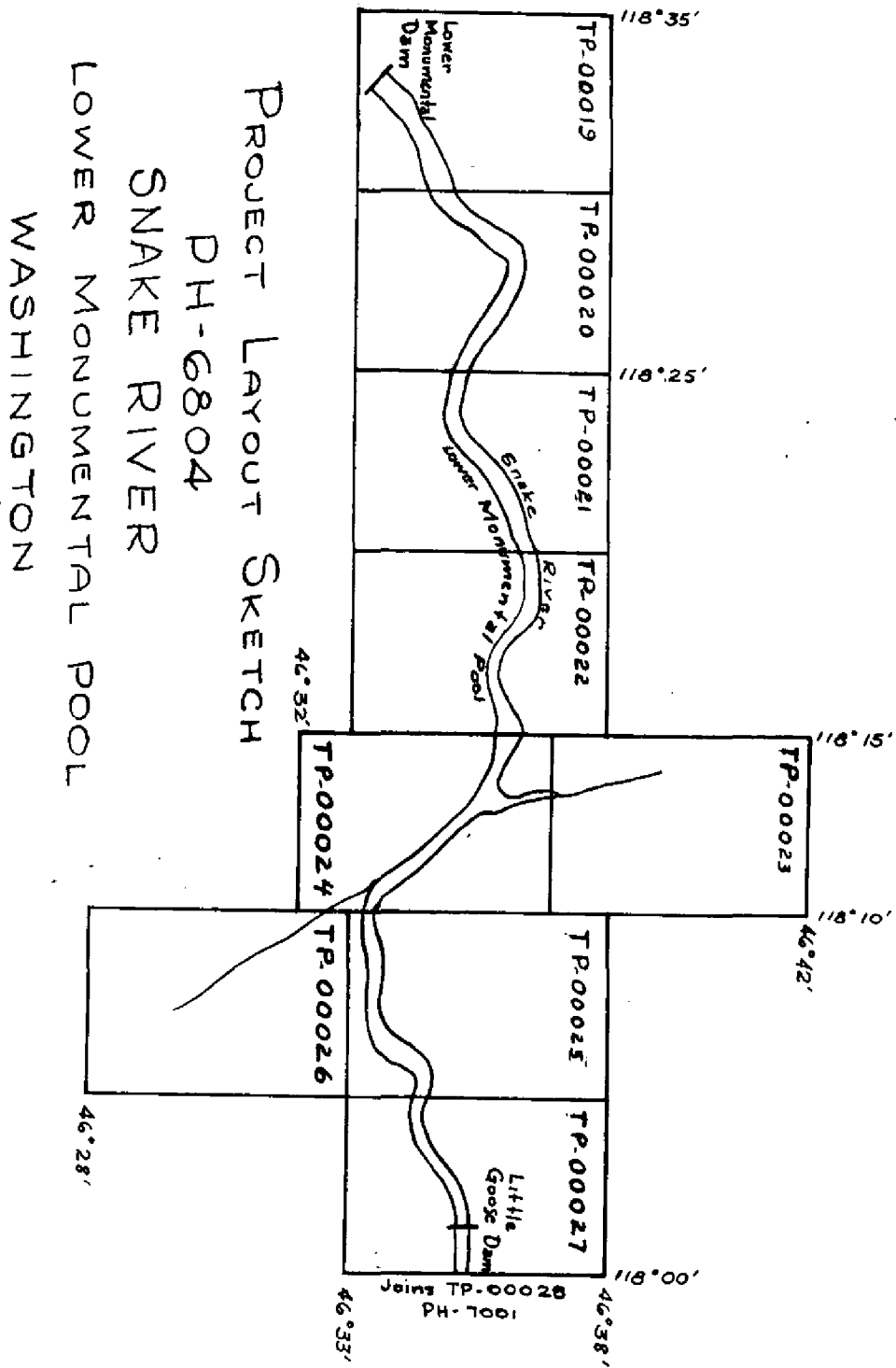
2. REPORT TO MARINE CHART DIVISION, COAST PILOT BRANCH. DATE FORWARDED: _____
 3. REPORT TO AERONAUTICAL CHART DIVISION, AERONAUTICAL DATA SECTION. DATE FORWARDED: _____

III. FEDERAL RECORDS CENTER DATA

1. BRIDGING PHOTOGRAPHS; DUPLICATE BRIDGING REPORT; COMPUTER READOUTS.
 2. CONTROL STATION IDENTIFICATION CARDS; FORM C&GS 567 SUBMITTED BY FIELD PARTIES.
 3. SOURCE DATA (except for Geographic Names Report) AS LISTED IN SECTION II, ESSA FORM 76-36C.
 ACCOUNT FOR EXCEPTIONS:
 4. DATA TO FEDERAL RECORDS CENTER. DATE FORWARDED: Sept. 1970

IV. SURVEY REVISION (This section shall be completed when a revised survey is registered.)

FIRST REVISION	SURVEY NUMBER TP - (2)	JOB NUMBER PH -	REMARKS
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	
SECOND REVISION	SURVEY NUMBER TP - (3)	JOB NUMBER PH -	REMARKS
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	
THIRD REVISION	SURVEY NUMBER TP - (4)	JOB NUMBER PH -	REMARKS
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	



PROJECT LAYOUT SKETCH
DH-6804
SNAKE RIVER
LOWER MONUMENTAL POOL
WASHINGTON

-6-

Summary to Accompany
Descriptive Reports TP-00019
through TP-00027
PH-6804
June 1970

This project consists of nine chart topography manuscripts, covering the Lower Monumental Dam and Pool area on the Snake River, Washington. The manuscripts were compiled at a scale of 1:10,000 to provide the base for a new small-craft route chart, (683-SC), scale 1:20,000.

^{and 684-SC}

The Lower Monumental Pool was formed by impounding the water behind Lower Monumental Dam east to the Little Goose Dam.

Field operations prior to bridging included the premarking of horizontal control, selecting, photoidentifying and determining elevations of photogrammetric vertical control points, identifying and determining the elevation of features critical for charting and a geographic names investigation. This was completed in November 1968.

Bridging of the entire Pool area was completed in August 1969 by the analytical aerotriangulation method. 1:40,000 scale color diapositives were bridged and numerous points common to the 1:20,000 scale compilation photography were obtained to control these models.

Compilation was accomplished in the Washington Office in August-September 1969 utilizing 1:20,000 scale color photography taken July 1, 1968, prior to the flooding of the pool area. The normal pool level after flooding was established at 540 ft. above MSL. The river level for the area prior to flooding was approximately 440 ft. above MSL at the Lower Monumental Dam to 530' in the vicinity of Little Goose Dam. The area between the prescribed normal pool level and the prior river level was contoured on the B-8 stereoplotter at intervals compatible with required depth curves, (3', 6', 9', 12', 18', etc.) and were supplemented with spot elevations (soundings) to define shoals, gentle slopes and deep water. Rigid vertical and horizontal accuracy was maintained during compilation to comply with project instructions. Along with this bathymetry, the required chart compilation features were delineated above the 540 ft. normal pool level shoreline. This included the 600 ft. contour line for use by marine charts in correlating the compilation with existing maps.

Field edit was completed in April 1970 and encompassed the verification and/or location of aids to navigation and landmarks, a facility survey and verification of compiled features.

The application of field edit revisions and additions was completed in June 1970 for the entire project. Final review was also completed in June.

Advance copies prior to field edit had been supplied to the Small Craft Branch of the Marine Chart Division. Field edit corrections and/or additions were minimal and this afforded the Small Craft Branch more "lead time" to compile new route Chart 648-SC. Final copy will be sent to Marine Chart Division along with the facilities report.

A Registration Manuscript Copy will be registered in the Bureau Archives under their respective TP-numbers.

Submitted by,

Jeter P. Battley, Jr.

J. P. Battley, Jr.

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Photogrammetric Plot Report
Job PH-6804
Snake River, Lower Monumental Pool
Washington

August 1969

21. Area Covered

This report covers the Snake River from the Lower Monumental Dam to the Little Goose Dam, consisting of nine (9) 1:10,000 scale sheets, TP-00019 thru TP-00027.

22. Method

Eight (8) strips were bridged using analytical aerotriangulation methods. Strips 1 and 2 were 1:40,000 scale color diapositives and strips 3 thru 8 were 1:20,000 scale color diapositives. Strips 1 and 2 were bridged using premarked control. The control does not appear on the 1:20,000 scale photographs as the photography was flown prior to premarking. Numerous tie points were located from the 1:40,000 scale bridge to control the 1:20,000 scale photography.

The attached sketch of the strips bridged shows the placement of triangulation used in the final strip adjustments. All bridge points are on Washington South Zone plane coordinates and converted to Mercator values.

23. Adequacy of Control

All horizontal control was premarked and was adequate to control the 1:40,000 scale bridge. The field party furnished elevations to vertically control each strip of 1:20,000 scale photographs and proved very adequate.

24. Photography

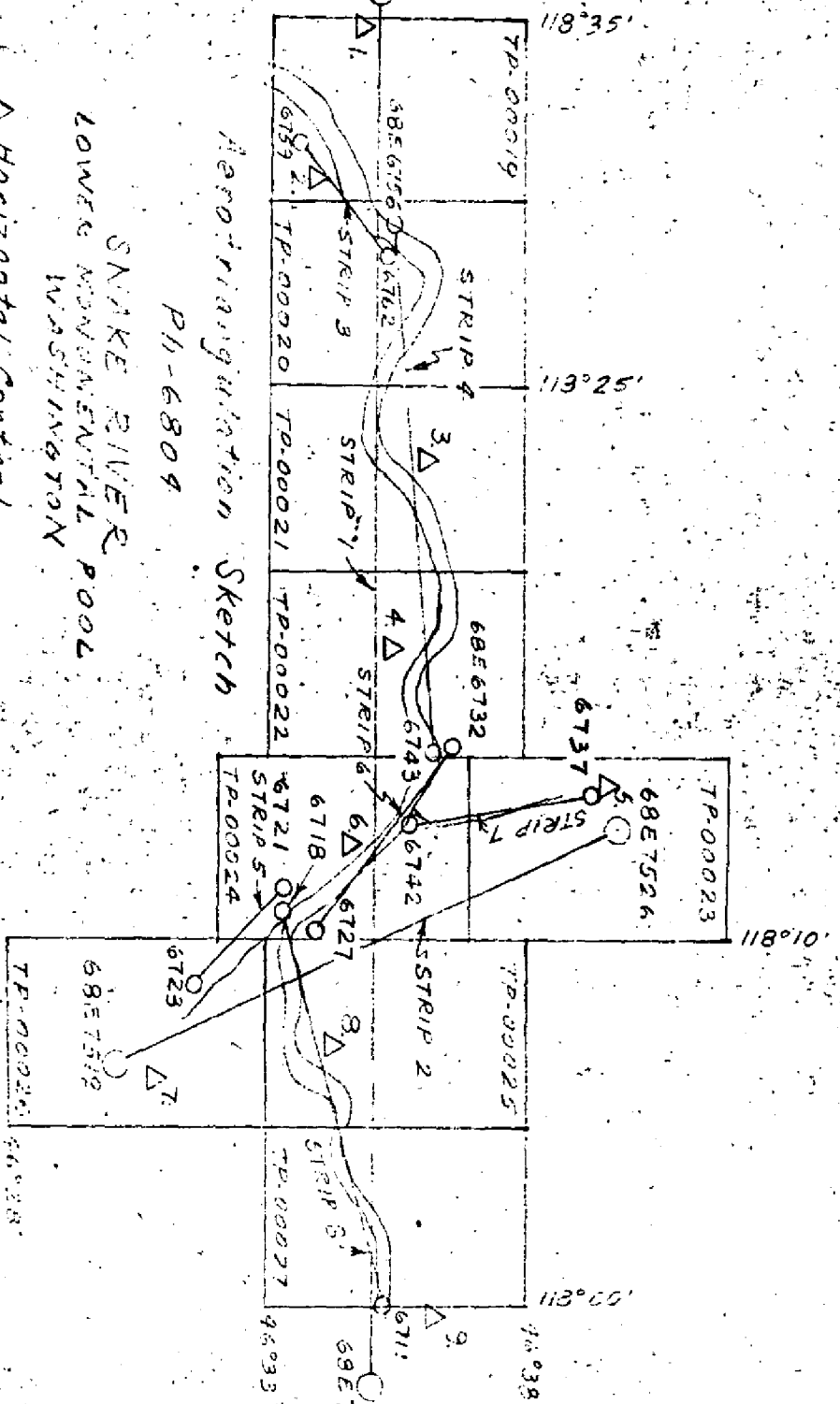
The definition and quality of the RC-8 "E" photography were good. No difficulty was encountered in the bridging of any strip.

Respectfully submitted,

I. I. Saperstein
I. I. Saperstein

Approved and forwarded,

[Signature]
Chief, Aerotriangulation
Section



PH-6804
 SNAKE RIVER
 LOWER MONUMENTAL POOL
 WASHINGTON

△ Horizontal Control
 ○ 1:40,000 scale color photographs
 ○ 1:20,000 scale color photographs

- 1. HUNT, 1933
- 2. HEADER (USE), 1957
- 3. AYERS, 1946
- 4. PERRY, 1946
- 5. PARALLS, 1953
- 6. TUGANON, 1946
- 7. S. J. B. W. Z. 341 (USE), 1961
- 8. RIPPAGE, 1946
- 9. SCHMIDT, 1944

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COMPILATION REPORT
TP-00027

~~Refer to Descriptive Report No. TP-00019 for Field Inspection and Photogrammetric Plot Reports for Lower Monumental Dam.~~

Refer to Descriptive Report No. TP-00028 for Field Inspection and Photogrammetric Plot Reports for Little Goose Dam.

31. Delineation

TP-00027 is a 1:10,000 scale chart (683-SC) compilation that ends at the Little Goose Dam and then begins Job PH-7001, 1:10,000 scale, chart (684-SC).

Color photography, scale 1:20,000, taken July 1, 1968, was bridged and used for delineation to Little Goose Dam. Color photography, scale 1:20,000 taken August 6, 1969, was bridged and used for delineation of Little Goose Dam and east to limits of manuscript.

The photography taken in 1968 was supplemented by 1:20,000 scale color photography taken in Sept. 1969 after the Lower Monumental Pool was flooded. 1:10,000 ratio prints were compared with the inked manuscript and additions or revisions were made.

Little Goose Dam was not completed when compilation was started on PH-7001. Corps of Engineers photography at 1:6,600 scale was taken after the Little Goose Dam was flooded in April 1970 and used to supplement the 1969 photography.

New photography is to be taken in July 1970 of Little Goose Pool due to new construction since the time of compilation and will be used to update the manuscripts along with field edit.

(note - this photography was not taken due to disabled aircraft)

A cronaflex copy and ozalid copies were ordered for this manuscript for field edit. After field edit is applied 1/2 reductions will be made for chart compilation at 1:20,000 scale.

32. Control

All horizontal control was premarked and adequate in density and placement.

Vertical control was of prime importance for this project as the area to be contoured is to be used for bathymetry (depth curves, etc.)

Excellent vertical accuracy was achieved in the bridge from numerous field identified vertical points.

(See Photogrammetric Plot Reports for Lower Monumental and Little Goose Dams.)

33. Supplemental Data

None used in photogrammetric compilation.

see item 63 of the Review Report - the C of E drawings were referred to during compilation

34. Contours and Drainage

Color photography at 1:20,000 scale was bridged by analytic methods and used in the B-8 stereoplotter for contouring. This photography taken in July 1968 and Aug. 1969 before the pool areas were flooded was of good quality and contours within the required accuracy (± 2 ft.) were obtained.

Contours were drawn at prescribed intervals from the old river shoreline to 540 ft. MSL shoreline at Lower Monumental and to 635 ft. MSL shoreline at Little Goose.

35. Shoreline and Alongshore Detail

The shoreline was delineated as stated in Paragraph 34. Color photography of Sept. 1969 taken after the Lower Monumental Pool was flooded was ratioed and compared with the contoured shoreline. Minor differences were noted and revised.

Photography will be taken after the Little Goose Pool is flooded.

-3-

36. Offshore Detail

No comment.

37. Landmarks and Aids

U. S. Coast Guard Civil Engineering blueprints were furnished for location of Aids to Navigation in Lower Monumental Pool. This was used to help locate the Aids on the 1969 ratioed photographs. ~~A few of the Aids could not be located during field edit.~~ JB-8-4-70

The blueprints for Little Goose Pool were of no value because none of the Aids were completed at time of compilation and will have to be located during field edit.

All landmarks are to be located during field edit.

38. Control for Future Surveys

None

39. Junctions

Junction was made to the west with TP-00026 and TP-00028 to the east.

40. Horizontal and Vertical Accuracy

Refer to Paragraph No. 23 of Photogrammetric Plot Report and Paragraph No. 32 of this report.

41. thru 45.

Inapplicable

46. Comparison with Existing Maps

Comparison has been made with USGS Quadrangle Starbuck, Washington, scale 1:62,500 dated 1948 contour interval 40 ft.

Compilation instructions state that all detail and the 600 ft. and 700 ft. contours that have been changed above the 540 ft. pool level of Lower Monumental Pool, also the 700 ft. and 800 ft. contours above the Little Goose Pool levels should tie into the existing quadrangle. Areas of changes were compiled.

47. Comparison with Nautical Charts

No chart exists in this area. This is a new chart compilation for Charts No. 683-SC and No. 684-SC.

Respectfully submitted,

John C. Richter
John C. Richter
Cartographer

Approved and forwarded,

K. N. Maki

K. N. Maki
Chief, Compilation Section

JUNE 24, 1970

GEOGRAPHIC NAMES

FINAL NAME SHEET

PH-6804 (Washington)

TP-00027

- Alkali Flat Creek *
- Camas Prairie Railroad ✓
- Little Goose Dam ✓

Approved by:
A. J. Wraight
 A. J. Wraight
 Chief Geographer

Prepared by:
Frank W. Pickett
 Frank W. Pickett
 Cartographic Technician

* Feature not compiled on this sheet

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FIELD EDIT REPORT
Chart Topography
Lower Monumental Pool
Snake River, Washington
Map Manuscripts TP-00019 through TP-00027

This report covers the portion of the Snake River impounded by the Lower Monumental Dam, and entirely within the State of Washington.

The entire shoreline was inspected by vehicle or small boat. The shoreline and alongshore features were compared with the field edit copies of the map manuscripts (discrepancy prints) and/or the field edit color photographs.

The field edit copies (discrepancy prints) of the map manuscripts were used as the index for the field corrections and the numbers of the photographs used for such corrections appear on the discrepancy prints.

Adequacy of Compilation

The extent and accuracy of the maps appear to be reasonably complete, considering the compilation was without the benefit of field inspection.

As the river passes through a definite gorge, cliffs and bluffs are in evidence throughout the project area. The most salient cliffs were indicated as features of landmark value.

There are so few buildings in the area, that nearly every shoreline cultural feature is of landmark value. Along the railroad are located two small communities, Ayer and Riparia. They are the residences of the railroad maintenance and service personnel.

Several recreation areas are found along the shoreline and are in various stages of development. Usually they consist of a surfaced launching ramp, a float and comfort facilities.

All fixed aids to navigation were field checked and photo identified except Tucannon River Light 34, which was located by traverse methods, due to its location on the north slope of a cliff.

All landmarks were investigated. All landmarks, recommended for charting, have been listed on form 567.

Purple ink was used to indicate corrections on the discrepancy prints. Red tempera ink was used for the annotations on the field edit photographs. Green ink was used to indicate deletions.

Rocks and shoals were investigated. The elevations of the tops of these features were determined in the field.

All entries for aids to navigation and landmarks for charts have been hand lettered in ink on Form 567. The smooth copies of the Form 567 can be prepared and submitted to the appropriate sections after the positions of the aids and landmarks have been finalized by the compilation section.

Geographic Names are the subject of a separate report.

A small craft chart facility investigation was completed in the field, concurrent with the field edit. Entries were made on the discrepancy prints.

Sheet TP-00019

Lower Monumental Dam and surfaced ramp are found on this sheet.

Sheet TP-00020

All fixed aids to navigation were investigated and photo-identified. A secondary, dirt road of landmark value is found near the east edge of the sheet.

Sheet TP-00021

A landmark for charts in the form of a tank is found on this sheet, also the railroad community of Ayer.

Sheet TP-00022

Heights of rocks and shoreline corrections were made on this sheet.

Sheet TP-00023

No field edit entries.

Sheet TP-00024

The highway bridge over the Snake River near the mouth of the Palouse River has been completed. It is a fixed span structure. The cofferdam that was constructed around the Marmes Rockshelter failed to save the rockshelter due to uncontrolled seepage. At present a pond is formed in the rockshelter area behind the cofferdam. Two overhead cable crossings and a submerged pipeline crossing are found on this sheet.

Sheet TP-00025

The railroad community of Riparia is found on this sheet. The Project Engineer, Seattle District, Corps of Engineers reported the abandoned piers of the old Riparia railroad bridge were removed to the depths (elevations) that appear on photograph 69E 2302. The masonry bridge abutments are scheduled to remain in place. A landmark in the form of an elevated water tank is found at Riparia.

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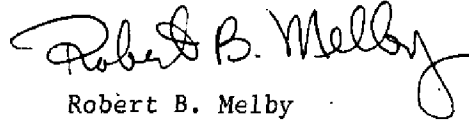
Sheet TP-00026

At Powers a grain elevator and storage tank was compiled as tanks only.

Sheet TP-00027

Corrections of the area adjacent to the Little Goose Dam including the northsection (earth fill portion) of the dam, road relocation and an overhead power line should be applied to the manuscript from recent photography that reflects the above changes.

Respectfully Submitted,



Robert B. Melby
Chief, Field Party, PMC

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Review Report
TP-00027
PH-6804
June 1970

61. General Statement

TP-00027 is the easternmost survey of the project and junctions with TP-00028, PH-7001, (Little Goose Dam and Pool), at the Little Goose Dam. The dam is within the body of TP-00027 and details east of the dam were compiled when photography was received for PH-7001. TP-00027 thus serves both projects as a base manuscript.

62. Comparison with Registered Topographic Surveys

None

63. Comparison with Maps of Other Agencies

Comparison was made with 1:62,500 scale quadrangles, HAAS, Washington, dated 1950 and Starbuck, Washington, dated 1948. These maps were used to compare planimetric features adjacent to the river, as a base for a geographic names verification and to assure correlation between the compiled 600 ft. contour, (the first index contour above the shoreline), and the G. S. topography. Comparison was also made with Corps of Engineers Reservoir Maps compiled in 1957. These maps were used to locate the approximate position of lights for subsequent photoidentification.

64. Comparison with Contemporary Hydrographic Surveys

None - this is a newly formed pool area of the Snake River.

65. Comparison with Nautical Charts

None

66. Adequacy of Results and Future Surveys

This survey complied with project instructions and excellent results were realized in maintaining the required vertical accuracy for the compiled contours and spot elevations to be used as hydrography. The survey meets the National Standards of Accuracy.

67. Geographic Names

A thorough geographic names verification was made by the 1968 field inspection party and approved by the Geographic Names Branch. A names list is included in this report.

Reviewed by,

Seter P. Battley Jr

Approved by,

Charles S. Hemen
Chief, Photogrammetric Branch

R. H. Haulster
Chief, Photogrammetry Division

DESCRIPTIVE REPORT CONTROL RECORD

MAP T- P-00027 PROJECT NO. PH-6804 SCALE OF MAP 1:10,000 SCALE FACTOR

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	X COORDINATE OR Y COORDINATE	N.A. 1927 - DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS (1 Ft. = 3048006 meters) FORWARD	(BACK)
SCHMIDT, 1946	Pg. 226	NA 1927	2,628,288.07 476,617.77		

20

NONFLOATING AIDS OR LANDMARKS FOR CHARTS

Seattle, Washington

7 April 1970

(CL-886) I

TO BE CHARTED
~~TO BE CHARTED~~
~~TO BE CHARTED~~

STRIKE OUT TWO

I recommend that the following objects which have ~~been~~ been inspected from seaward to determine their value as landmarks be charted on ~~charts~~ ~~from~~ the charts indicated.
The positions given have been checked after listing by Lyle L. Riggers

R. B. Melby

Chief of Party

STATE	CHARTING NAME	DESCRIPTION	LIGHT CHARACTERISTICS	LATITUDE		LONGITUDE		DATUM	METHOD OF LOCATION SURVEY	DATE OF LOCATION	HARBOR CHART	NEARBY CHART	OFFSHORE CHART	CHARTS AFFECTED
				D. M. METERS	S. M. METERS	D. P. METERS	S. P. METERS							
Washington	PAUL Lt 4		1968.29	46 34	367.5	118 30	75.75	N. A.	Air Photo	3/26/70				
	RUXBY BEND Lt 6		1968.35	46 34	1244.0	118 29	35.0	"	"	3/26/70				
	CRUMBLE Lt 7		1968.35	46 35	307.5	118 29	110.0	"	"					
	HONKER Lt 9		1968.39	46 35	1602.0	118 28	76.7.5	"	"					
	STAT Lt 10		1968.41	46 35	1400.0	118 27	1182.0	"	"					
	MALLARD Lt 11		1968.43	46 36	123.0	118 27	954.0	"	"					
	YEER Lt 13		1968.45	46 35	260.0	118 25	12.5	"	"					
	RAVINE Lt 14		1968.47	46 34	1471.0	118 24	1080.5	"	"					
	AYER Lt 16		1968.49	46 34	1219.0	118 25	630.5	"	"					
	AYER Lt 17		1968.51	46 35	73.0	118 25	580.0	"	"					
	COURT Lt 18		1968.53	46 34	1354.5	118 22	116.5	"	"					
	PALOUSE BLUFF Lt 19		1968.55	46 35	1452.5	118 22	164.0	"	"					
	CHEW Lt 20		1968.57	46 36	225.5	118 19	114.0	"	"					
	DAVIN Lt 21		1968.59	46 36	978.5	118 18	748.5	"	"					

This form shall be prepared in accordance with Hydrographic Manual, Publication 20.2, Sec. 1-55, 2-39, 6-36, 7-18 to 22 inclusive, and Fig. 79. Positions of charted landmarks and nonfloating aids to navigation, if redetermined, shall be reported on this form. Revisions shall show both the old and new positions. The data should be derived for the charts of the area and not by individual field survey sheets. Information under each column heading should be given.

NONFLOATING AIDS OR LANDMARKS FOR CHARTS

Seattle, Washington 7 April 1970

TO BE CHARTED }
~~TO BE REVISED.~~ } STRIKE OUT TWO
~~TO BE DELETED~~ }

I recommend that the following objects which have ~~been~~ been inspected from seaward to determine their value as landmarks be charted on ~~(insert from)~~ the charts indicated.
 The positions given have been checked after listing by Lyle L. Riggers R. B. Melby

R. B. Melby

Chief of Ports

STATE	QUARTING NAME	DESCRIPTION	LIGHT SOURCE L. REF. NO.	POSITION				DATUM	METHOD OF LOCATION SURVEY NO.	DATE OF LOCATION	HARBOR CHART	HARBOR CHART	OFFSHORE CHART	CHARTS AFFECTED
				LATITUDE N	E. M. SETTING	LONGITUDE W	D. P. SETTING							
Washington														
	PERRY Lt 22		1968.61	46 35	1731.5	118 17	1086.0	N. A.	TP00022					
	PERRY Lt 24		1968.63	46 35	8700	118 16	933.5	"	"					
	JOHN Lt 25		1968.65	46 35	1585.0	118 16	43.0	"	"					
	STEAMBOAT BEND Lt 27		1968.67	46 36	518.7	118 14	1062.7	"	TP00024					
	STEAMBOAT BEND Lt 28		1968.69	46 35	1782.0	118 14	796.5	"	"					
	PALOUSE RIVER Lt 29		1968.71	46 35	1786.7	118 12	394.4	"	"					
	TUCANNON Lt 30		1968.73	46 34	626.9	118 11	861.0	"	"					
	TUCANNON RIVER Lt 32		1968.75	46 35	970.8	118 10	864.8	"	"					
	TUCANNON RIVER Lt 34		1968.77	46 33	1548.0	118 09	546.17	"	TP00025					
	HUNTERS Lt 35		1968.79	46 35	1093.0	118 08	157.5	"	Air Photo TP00025					
	TEXAS Lt 37		1968.81	46 33	1137.5	118 06	942.5	"	"					
	TEXAS Lt 38		1968.83	46 35	814.0	118 06	640.7	"	"					
	ALKALI FLAT CREEK Lt 39		1968.85	46 34	985.0	118 05	1047.0	"	"					
	RIPARIA Lt 40		1968.87	46 34	786.0	118 05	418.0	"	"					

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USCGC 10224P01

NONFLOATING AIDS OR LANDMARKS FOR CHARTS

TO BE CHARTED
TO BE REVISED
TO BE DELETED

STRIKE OUT TWO

Seattle, Washington 7 April, 1970

I recommend that the following objects which have ~~been~~ been inspected from seaward to determine their value as landmarks be charted on ~~(deleted from)~~ the charts indicated.

The positions given have been checked after listing by Lyle L. Riggers

R. B. Melby

Chief of Party

STATE	CHARTING NAME	DESCRIPTION	LIGHT SIGNAL CHARACTERISTICS	POSITION		DATUM	METHOD OF LOCATION AND SURVEY No.	DATE OF LOCATION	HARBOR CHART	OFFSHORE CHART	CHARTS AFFECTED
				LATITUDE D. R. METERS	LONGITUDE D. P. METERS						
Washington											
	MCGUIRE BNG RR Lt		1968.91	46 34 752.7	118 04 671.7	N.A. 1927	Air Photo TP08827	3/25/70			
	MCGUIRE BNG FB Lt		1968.89	46 34 782.	118 04 619.	"	"	"			
	MCGUIRE Lt 41		1968.93	46 34 702.7	118 04 443.6	"	"	"			
	MCGUIRE Lt 43		1968.95	46 34 4506.3	118 02 127.0	"	"	"			

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TABLES SECONDS AND METERS

USCOMADMDC 16284-P01

NONFLOATING AIDS OR LANDMARKS FOR CHARTS

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STRIKE OUT TWO

Seattle, Washington

7 April 19 70

I recommend that the following objects which have ~~been~~ been inspected from seaward to determine their value as landmarks be charted on ~~deleted from~~ the charts indicated.

The positions given have been checked after listing by Lyle L. Riggers

R. B. Melby
Chief of Ports

CHARTING NAME	STATE	DESCRIPTION	SIGNAL NAME	POSITION			METHOD OF LOCATION AND SURVEY NO.	DATE OF LOCATION	HARBOR CHART	NEARBY CHART	OFFSHORE CHART	CHARTS AFFECTED	
				LATITUDE		LONGITUDE							
				D. M. METERS	P. S. METERS	D. M. METERS							P. S. METERS
TANK	Washington	Ht = 25 (235) *	46 55.0	1737.0	118 21.8	1600.0	N.A. TP-00021	3/31/70					
TANK (Glow)		Tank steel elevated Ht = 56 (122) *	46 39.7	1365.0	118 05.5	618.0	" TP-00025	3/31/70					

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USCOMM-DC 10234-987

NONFLOATING AIDS OR LANDMARKS FOR CHARTS

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STRIKE OUT TWO

I recommend that the following objects which have ~~been~~ been inspected from seaward to determine their value as landmarks be charted on ~~(deleted from)~~ the charts indicated.
The positions given have been checked after listing by Lyle L. Riggers Seattle, Washington 7 April 1970

R. B. Melby
Chief of Party

CHARTING NAME	DESCRIPTION	SIGNAL NAME	POSITION		METHOD OF LOCATION AND SURVEY NO.	DATE OF LOCATION	CHARTS AFFECTED	
			LATITUDE	LONGITUDE			HARBOR CHART	OFFSHORE CHART
TANK	HT = 25 (235) *		46 35.0	118 21.8	N.A. 1927	3/31/70		
TANK (Elev)	Tank steel elevated HT = 56 (122) *		46 34.7	118 05.5	"	3/31/70		

NONFLOATING AIDS OR LANDMARKS FOR CHARTS

TO BE CHARTED
TO BE REVISED
TO BE DELETED

STRIKE OUT TWO

I recommend that the following objects which have ~~(have not)~~ been inspected from seaward to determine their value as landmarks be charted on ~~(deleted from)~~ the charts indicated.
The positions given have been checked after listing by Lyle L. Riggers Seattle, Washington September 2, 1970

R. B. Melby
Chief of Party

CHARTING NAME	DESCRIPTION	SIGNAL NAME	POSITION		METHOD OF LOCATION AND SURVEY NO.	DATE OF LOCATION	CHARTS AFFECTED	
			LATITUDE	LONGITUDE			HARBOR CHART	OFFSHORE CHART
Little Goose Reservoir Light 2	1969 13 46 35.2		46 35.2	118 00.4	N.A. 1927	8-18-70		684 SC

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