T-11816

T-11816

Form 504

U. S. DEPARTMENT OF COMMERCE

COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT

Type of Survey Planimetric

Field No. ..... Office No. T-11816

LOCALITY

State Maryland

General locality Chesapeake Bay

Locality Baltimore County

1961

CHIEF OF PARTY
G. F. Wirth, Chief of Party

LIBRARY & ARCHIVES

DATE

USCOMM-OC 5087

FORM 181
(4-23-54)

U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT - DATA RECORD

1

T-11816

Project No. (II): PH-6009

Quadrangle Name (IV):

Field Office (II): Chase, Md.

Chief of Party: G. F. Wirth

Photogrammetric Office (III): Baltimore, Md.

Officer-in-Charge: W E Randall

Instructions dated (II) (III): 22 November 1960
Modification dated 9 December 1960
Horizontal Control Reference- 25 May 1961

Copy filed in Division of Photogrammetry (IV)

Method of Compilation (III): Kelsh Plotter

Manuscript Scale (III): 1:5,000

Stereoscopic Plotting Instrument Scale (III): 1:5,000

Scale Factor (III): 1:1

Date received in Washington Office (IV):

Date reported to Nautical Chart Branch (IV):

Applied to Chart No.

Date:

Date registered (IV): MAR 31, 1982

Publication Scale (IV): N/A

Publication date (IV): N/A

Geographic Datum (III): N A 1927

Vertical Datum (III):

Mean sea level except as follows:
Elevations shown as (25) refer to mean high water
Elevations shown as (5) refer to sounding datum
i.e., mean low water or mean lower low water

Reference Station (III): NONE

Lat.:

Long.:

Adjusted
Unadjusted

Plane Coordinates (IV):

State:

Zone:

Y=

X=

Roman numerals indicate whether the item is to be entered by (II) Field Party, (III) Photogrammetric Office, or (IV) Washington Office.

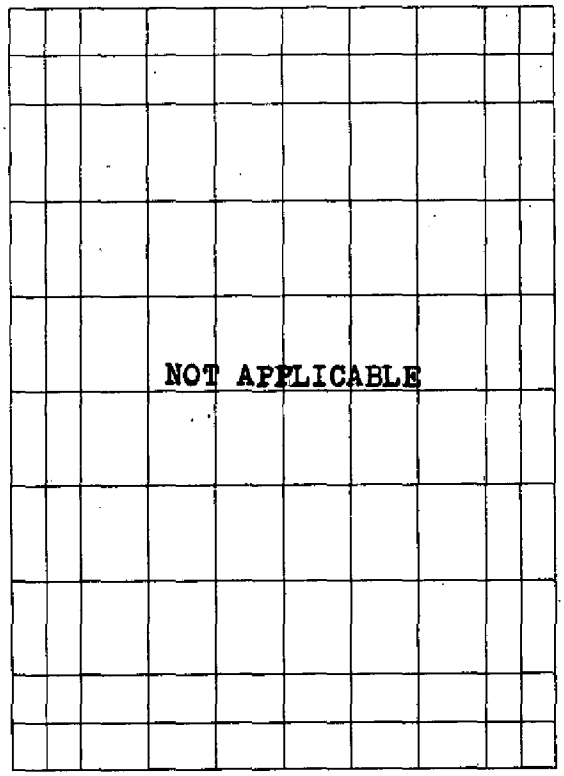
When entering names of personnel on this record give the surname and initials, not initials only.

COMM-DC-57842

FORM 181a
(4-23-54)

DESCRIPTIVE REPORT - DATA RECORD

U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY



Areas contoured by various personnel
(Show name within area)
(II) (III)

FORM 181b
(4-23-54)

U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT - DATA RECORD

3

Field Inspection by (II):
G. F. Wirth
J. E. Tolodziecki

Date: 5 April 1961 thru 30 June 1961

Planetable contouring by (II):

Date:

NOT APPLICABLE

Completion Surveys by (II):

Date:

NONE

Mean High Water Location (III) (State date and method of location):
Field Inspected Aerial Photographs

Projection and Grids ruled by (IV): Keefer — Date: Mar 1961

Projection and Grids checked by (IV): R A Carr — Date: Mar 1961

Control plotted by (III): L A Senasack — Date: Nov 1961

Control checked by (III): B Kurs — Date: Nov 1961

Radial Plot or Stereoscopic Control extension by (III): Washington Office — Date: 1960

Stereoscopic Instrument compilation (III):
Planimetry B Kurs — Date: JULY 1962
Contours N/A — Date:

Manuscript delineated by (III): B Kurs — Date: Aug 1962

Photogrammetric Office Review by (III): E L Rollie — Date: Aug 1962

Elevations on Manuscript checked by (II) (III): N/A — Date:

COMM-DC-57842

FORM 181c
(4-23-54)

U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT - DATA RECORD

Camera (kind or source) (III): S

4

PHOTOGRAPHS (III)

Number	Date	Time	Scale	Stage of Tide
	1960		1:10,000	

Tide (III)

	Ratio of Ranges	Mean Range	Spring Range
Reference Station:			
Subordinate Station:			
Subordinate Station:			

Washington Office Review by (IV): A K Haywood Date: 1965

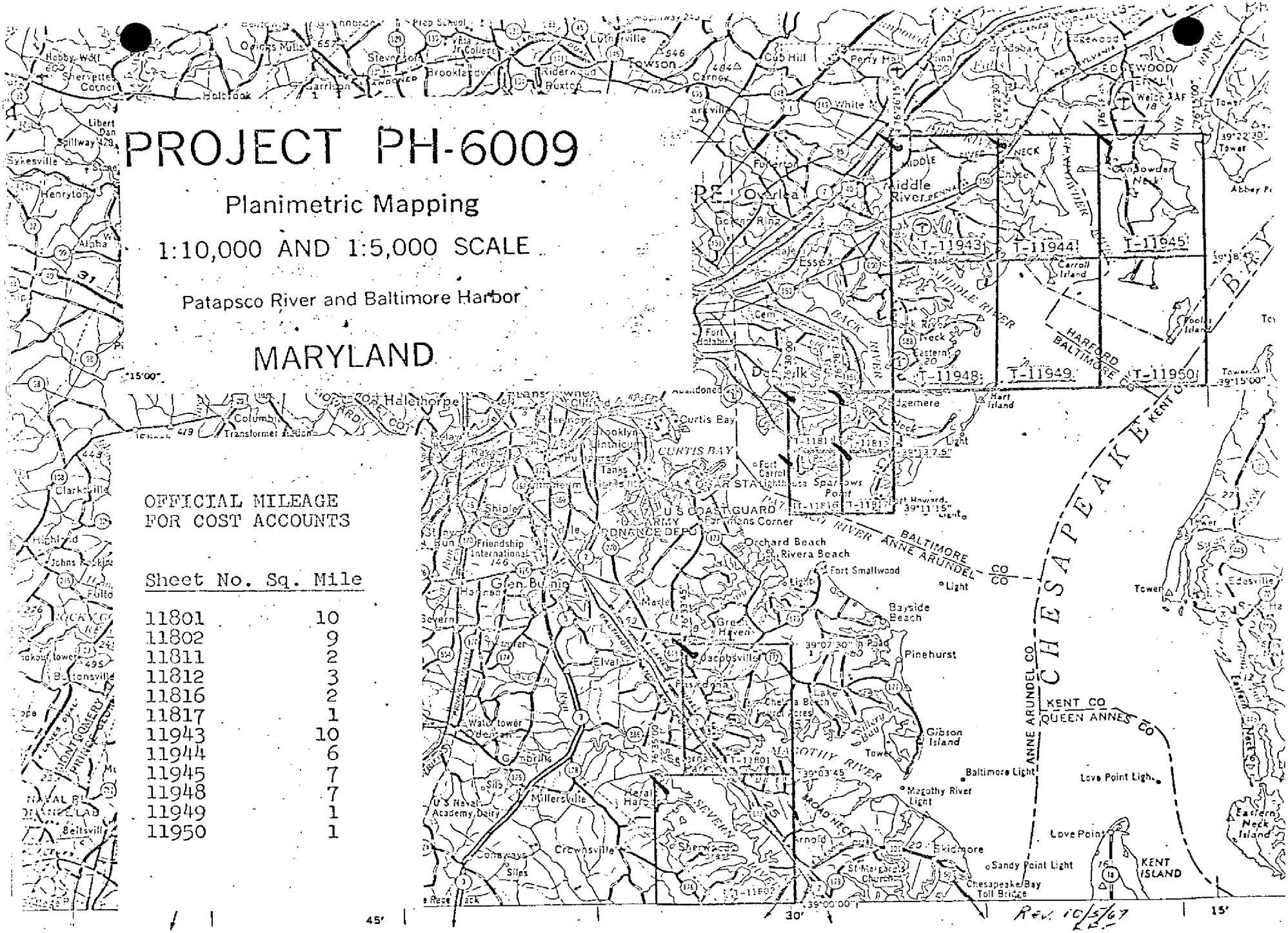
Final Drafting by (IV): N/A Date:

Drafting verified for reproduction by (IV): N/A Date:

Proof Edit by (IV): N/A Date:

Land Area (Sq. Statute Miles) (III):
Shoreline (More than 200 meters to opposite shore) (III):
Shoreline (Less than 200 meters to opposite shore) (III):
Control Leveling - Miles (II):
Number of Triangulation Stations searched for (II): 3 Recovered: 1 Identified: 0
Number of BMs searched for (II): 1 Recovered: 1 Identified: 0
Number of Recoverable Photo Stations established (III):
Number of Temporary Photo Hydro Stations established (III):

Remarks:


PROJECT PH-6009
Planimetric Mapping
1:10,000 AND 1:5,000 SCALE
Patapsco River and Baltimore Harbor
MARYLAND
OFFICIAL MILEAGE
FOR COST ACCOUNTS
Sheet No. Sq. Mile
11801 10
11802 9
11811 2
11812 3
11816 2
11817 1
11943 10
11944 6
11945 7
11948 7
11949 1
11950 1
T-11943
T-11944
T-11945
T-11948
T-11949
T-11950
CHESAPEAKE
BALTIMORE CO
ANNE ARUNDEL CO
KENT CO
QUEEN ANNES CO
Rev. 10/5/67

Field Inspection Report

PH-6009

Chesapeake Bay-West Shore-Maryland

2. Areal field inspection

This report covers 4 - 1:5,000 scale sheets (T-11811, 812, 816, and 817) and 6 - 1:10,000 scale sheets (T-11943, 944, 945, 948, 949, and 950) of Project PH-6009 north of Baltimore City, Md. This part of PH-6009 covers those sheets needed for the base maps being prepared for the "Maryland Department of Tidewater Fisheries."

The 4 large scale sheets cover a dense industrial area dominated by the Bethelehem Steel Company's Spaarrows Point Mill. Sheets T-11943 and T-11948 consists of a densely populated pleasure boat area. Sheets T-11944, 945, 949, and 950 consist of low marsh areas with the creeks choked with "grass in water." The "U.S. Army, Aberdeen Proving Ground" covers most of these 4 sheets.

Gunpowder Neck was field inspected from a helicopter furnished by the U.S. Army, Aberdeen Proving Ground. Their co-operation and aid was most helpful in the quick completion of the northeastern end of this Project. No interior field inspection was done on the "Aberdeen Proving Ground" sections of Graces Quarter and Carroll Island due to gas hazard. See attached instructional letter dated 25 May 1961.

3. Horizontal Control

Geodimeter Traverse

(a) The following new stations were established by this Party.

WITCH 2, 1961 - off Sheet Limits

LYNCH 2, 1961

REIN 2, 1961 - Identified - off Sheet Limits

CUCKHOLD, 1961 - Identified - off Sheet Limits

HART 2, 1961 - Identified

CROW, 1961 - Identified

CONTROL PT. A - Identified - off sheet limits Marked by a "MDTF" stake for use on 20,000-829.

CONTROL PT. B - Identified - Marked by a "MDTF" stake for use on 20,000-829.

MR01 - Identified - Marked by a "MDTF" stake for use on 20,000-829.

MR02 - Marked by a "MDTF" stake for use on 20,000-829.

Triangulation

POOLES ISLAND RANGE REAR LIGHT, 1961 - Fixed Aid

POOLES ISLAND SOUTH RANGE FRONT LIGHT, 1961 - Fixed Aid

POOLES ISLAND NORTH RANGE FRONT LIGHT, 1961 - Fixed Aid

(d) See attached instructional letter dated 25 May 1961.

(e) The four triangulation stations located on the "Aberdeen Proving Ground" section of Graces Quarter were not recovered due to a gas hazard. See attached instructional letter dated 25 May 1961.

The following stations were listed as "lost" on Form 526.

LYNCH, 1934
SPARROW, 1915
LOYD'S POINT FRONT RANGE, 1934
NORTH POINT LOWER LIGHTHOUSE (old tower), 1842
HOWARD, 1915
GREEN WATER TANK, 1935
SUE ISLAND FLAGPOLE, 1935
BAR, 1934
TOWER M
OLIVER 2, 1939
DAYS, 1934
LEGO POINT, 1918
ROBINS POINT 2, 1933
POOLE, 1927
MILLER, 1934
MILLERS, 1927
MILLERS, 1896

The following stations are off the limits of these sheets, but were identified in conjunction with this project.

RIVERSIDE, 1958
EDGEWOOD ARSENAL, WATER TANK, SMALL, 1939
WALNUT, 1934
LINE, 1934
TILE, 1939
STEIN, 1934
WISER, 1958
H TOWER, 1949
CHELESA, 1949
WITCH, 1934

Station "WITCH, 1961" was reported as lost, but was identified for the plot before the station was destroyed. Because the monument was broken off at the top, station "RIVERSIDE, 1958" was reported as lost, but was still identified for the plot.

4. Vertical control

Only "tidal bench mark recovery" was required on the project. This was done, and the Recovery Cards have been submitted.

5. Contours and drainage

Contours - Not Applicable

Drainage was field inspected at all road intersections.

The rest of the drainage was delineated on the photos under the steroscope when it was clearly visible.

6. Woodland cover

Woodland cover was delineated on the photos per instructions.

7. Shoreline and alongshore features

(a) The mean high water line was delineated on all photos. Unless otherwise stated the M.H.W.L. lies at the base of all bulkheads delineated.

(b) The low water line was delineated where it was clearly visible on the photos.

(c) The foreshore of sheets T-11944, 945, 949, and 950 contains extremely dense growths of grass with the exception of the Pooles Island area which is rocky. All foreshore characteristics are delineated on the photos.

(f) All shore ends of submarine cables have been delinated on the photos.

(g) The southeast shoreline of Sparrows Point is constantly changing due to the slag being deposited by the steel mill.

Humphrey Creek is closed to navigation and is being filled with slag and industrial waste.

8. Offshore features

All offshore features have been delineated on the photos.

9. Landmarks and aids

All landmarks and aids to navigation are reported on Form 567. No heights were obtained on previously charted

landmarks as verbally instructed from the Washington Office.

10. Boundaries, monuments, and lines

The county boundary of Baltimore and Harford Counties was delineated on the photos as stated in the following legal description of the counties:

> "Be it therefore enacted by the Right Hounourable the Lord Proprietary by and with the Advice and Consent of his Governor and the Upper and Lower Houses of Assembly and the Authority of the same that after the second Day of March next all that Part of Baltimore County which is included within the Bounds following to wit Beginning at the Mouth of the little Falls of Gunpowder River and running with the said Falls to the Fountain Head and from thence North to the Temporary Line of this Province and thence with the Temporary Line to Susquehanna River thence with Susquehanna to Chesapeak Bay and thence with the said Bay Including Spesutia and Pools Islands to the Mouth of Gunpowder River and thence up the said River to the Beginning aforesaid shall be and is hereby erected into a new county by the Name of Harford County"

Legal description obtained from:

ARCHIVES OF MARYLAND
Vol. LXIV
Proceedings and Acts of the Assembly
October 1773 to April 1774
page 198

Acts of THE ASSEMBLEY PASSED DURING NOVEMBER-DECEMBER, 1773

All other lines have been delineated on the photos. The "Aberdeen Proving Ground" line was delineated by the fence on the land areas.

11. Other control

Other control was established on this project as follows.

Sheet T-11811

Photo Points 006, 007 - to locate fixed aids.

Photo Points 011, 012, 013 - to locate Overhead Cable Towers.

Range Point 2 - to determine azimuth of fixed beacon range. (Point is on opposite side of Patapsco River from Sheet T-11811.)

Sheet T-11812

Photo Points 009, 010 - to locate submarine cable.

Sheet T-11816

Range Point 3 - to determine azimuth of fixed beacon range. (Point is on opposite side of Patapsco River from Sheet T-11816.)

Sheet T-11817

Photo Points 001, 002, 003 - to locate fixed aids.

Sheet T-11943

Photo Point 000,008 - to locate fixed aid.

Sheet T-11948

Photo Point 004, 005 - to locate fixed aids.

Range Point 1 - to determine azimuth of fixed beacon range (recorded on card for P.P. 005).

Sheet T-11949

Hydro Signal - Ground survey located from MR01 for hydro use and Project 20,000-829. Recorded on C.S.I. card for MR01.

Supplemental control was pricked in this area on contact photos for Project 20,000-829. All of this data has been submitted under Project 20,000-829.

12. Other interior features

Clearances for a new bridge on Sheet T-11944 were obtained and recorded on photo 60S9692A. This bridge crosses a "hot water discharge sluice of the Baltimore Gas & Electric Co. power plant" and the waterway is not navigable due to a weir dam at the entrance. The clearance are as follows.

Fixed Bridge

horizontal - 53.0 ft.

vertical - 5.8 ft. above M.H.W.L.

The overhead power cable shown on photo 60S3410A passes west-southwest from the shore to the three towers delineated. From the westernmost tower, it travels south-southwest to another tower in the water and then to a tower on the shore (See photo points 011 thru 013 for the location of these towers).

13. Geographic names

No name discrepancies were found in field inspection.

14. Special reports

Plate 1 is submitted with photographs for use in the compilation of the Sparrows Point area. Notes and cross indexing have been made on both photos and Plate 1.

15. Mapping security sensitive areas.

Security checks were made at the "Aberdeen Proving Ground" and the "Martin Company" and everything that is delineated for mapping on the photos was approved by the

security officals of both parties involved with the exception of the "Gates" at the "Martin Company". All the gates in this area to the plant and airfield have been deleted in green ink.

Submitted 30 June 1961

George F. Wirth

George F. Wirth
Chief of Party

Completion Report
Project PH-6009 (21031)
Maps T-11943 thru T-11945 scale 1:10,000
T-11948 thru T-11950 scale 1:10,000
T-11811 thru T-11812 scale 1:5,000
T-11816 thru T-11817 scale 1:5,000
T-11801 thru T-11802 scale 1:10,000

1. General

This report is a combination Completion Report and Descriptive Report covering those maps completed as listed above.

2. Area

The area covers parts of the western shore of Chesapeake Bay, Baltimore Harbor, Gunpowder, Middle, Patapsco and Severn Rivers in the state of Maryland.

3. Purpose

Its purpose was primarily to provide data for preparation of special charts for the Maryland Department of Tidewater Fisheries. This was a reimbursable project completed under project number 20,000-829 at a scale of 1:20,000.

4. Maps

Map numbers originally assigned are shown on the letter sized diagram attached. All map numbers assigned to this project other than those listed in the title of this report have been cancelled and returned to the open listing for re-assignment.

5. Photography

Panchromatic photography covers the area at 1:20,000 scale taken in October 1960. The Baltimore Harbor area was also flown at 1:10,000 scale on the same date.

6. Field Work

Field work was completed for the area compiled and included recovery and identification of horizontal control. Inspection and verification of landmarks and fixed aids to navigation and field inspection of shoreline and offshore detail, drainage, cultural features and woodland cover.

It also included a Geographic Names Report.

No field work has been completed on the area of the cancelled maps.

See the ~~Field Instructions~~ and Field Reports attached for details.

7. Aerotriangulation

Thirteen strips were bridged on the stereoplanigraph covering only the maps compiled.

All control held within required tolerances and was considered adequate for compilation.

8. Compilation

All completed sheets have been compiled in ink and extend approximately one-half mile inland from the shoreline.

9. Classification

All completed sheets are classified incomplete. This classification means that the maps are based on a final bridge with field identified control but the delineation of details is not complete. These details are normally added during field edit.

The maps are not field edited hence will remain in the incomplete classification.

10. Future Chart Revision

They may be used as bases for chart revision with later photography.

All landmarks and aids to navigation are accurate and complete with positions determined by field and photogrammetric methods.

11. Final Review

All maps were office reviewed at the time of compilation, but have not had a final examination.

A comparison with the largest scale nautical charts has been made. ~~The results of the comparison is noted on an ozalid copy accompanying each manuscript in the vault.~~

No contemporary hydrographic surveys are available in the area and at the time of this report none contemplated in the near future.

12. Registration of Incomplete Manuscripts

Although it is unusual to register incomplete manuscripts it was felt by the Photogrammetric Branch to be expedient with regards to this project in view of the following:

A. The project was inititated primarily to provide modern base maps, to replace base maps now obsolete (1933-1934)

Pressure of higher priority projects extended our capabilities such that we could complete only that portion that was needed for the Maryland fisheries reimbursable project 20,000-829.

B. Hydrographic operations are not planned for any time in the near future.

When hydrography is planned the present photography will be too old and new photographs will be taken to update the shoreline and provide hydro support based on bridging completed under this project.

C. The Chart Division have no plans as of how to reconstruct their charts in this area thru Fiscal Year 1972.

13. Data Files

A. A cronaflex copy of all completed manuscripts is filed in the vault with a negative in the Reproduction Division.

B. Control identification cards, control identification photographs, field inspection photographs, bridging photographs ~~and related bridging data is filed in the Records Section of the Photogrammetry Division~~. SEE FOLLOWING PAGE

C. Descriptive Reports

A copy of each report is on file in the vault. These reports do not contain a photogrammetric plot report, a compilation report, ~~or a review report.~~

~~A page has been inserted in each Descriptive Report referring to this comprehensive report for a complete history of these items.~~

D. Completion Report

A duplicate of this report is filed as a Completion Report in the Archives.

E. Geographic Names

On file with the Geographic Names Section.

Submitted by:

A. K. Heywood

Approved by:

Chief, Photogrammetric Branch

Chief, Photogrammetry Division

INFORMATION ON DISSEMINATION OF PROJECT MATERIAL

PH-6009
PASAPSCO RIVER AND BALTIMORE HARBOR, MARYLAND

NATIONAL ARCHIVES/FEDERAL RECORDS CENTER

CSI Cards
Field Inspected Photographs (NOS)
Project Completion Report
Form(s) 567 (Nonfloating Aids or Landmarks for Charts)
Form(s) 250 (Horizontal Angles)

BUREAU ARCHIVES

Registered Maps
Descriptive Reports
Bridging Photographs
Control Listings

REPRODUCTION DIVISION

Reduction negative of each map

FORM 413
(7-15-58)

U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

REFERENCE NO.

LETTER TRANSMITTING DATA

DATE

27 June 1961

TO:

The Director
Coast and Geodetic Survey
Department of Commerce Building
Washington 25, D.C.

DATA AS LISTED BELOW WERE FORWARDED TO YOU BY *(Check)*:

☐ ORDINARY MAIL ☐ AIR MAIL ☐ EXPRESS

Personal Delivery

☒ REGISTERED MAIL ☐ G.B.L. *(Give number)* _____

DATA WERE FORWARDED *(Data)*

27 June 1961

(NOTE - A separate transmittal letter is to be used for each type of data, as tidal data, seismology, geomagnetism, etc. State the number of packages and include an executed copy of the transmittal letter in each package. In addition the original and one copy of the letter should be sent under separate cover. The copy will be returned as a receipt. This form should not be used for correspondence or for transmitting accounting documents.)

PH-6009 - North of Baltimore City, Md.

Single Lens Photos
Contacts with horizontal control identification
6083458A thru 3460A
6087822 thru 7826
9 - Form 152
4 - sheets-Inverse data
2 - Form 24A
2 - Form 470
1 - Form 758
11 - Geodimeter length forms
1 - Geodimeter abstract lengths
2 - Form 738
1 - Form 251A

(Signature)
LTJG George F. Wirth
Chief of Photo Party 723
Division or Party
P.O. Box 4907
Baltimore 20, Md.
Location

RECEIVED THE ABOVE	NAME	TITLE

USCOMM-DC 27024

FORM 413
(7-16-58)

U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

REFERENCE NO.

LETTER TRANSMITTING DATA

DATE

29 June 1961

TO:

The Director
Coast & Geodetic Survey
Washington 25, D. C.
Attn: 63

DATA AS LISTED BELOW WERE FORWARDED TO YOU BY *(Check)*:

☐ ORDINARY MAIL ☐ AIR MAIL ☐ EXPRESS

Personal Delivery

☐ REGISTERED MAIL ☐ G.B.L. *(Give number)* _____

DATA WERE FORWARDED *(Date)*

30 June 1961

(NOTE - A separate transmittal letter is to be used for each type of data, as tidal data, seismology, geomagnetism, etc. State the number of packages and include an executed copy of the transmittal letter in each package. In addition the original and one copy of the letter should be sent under separate cover. The copy will be returned as a receipt. This form should not be used for correspondence or for transmitting accounting documents.)

PH-6009 North of Baltimore City, Md.

Single Lens Ratio Prints with
field inspection notes

60-S-3279A thru 3281A
3410A thru 3414A
3435A thru 3436A
7809 thru 7812
7824 thru 7825
9661A thru 9667A
9675A thru 9680A
9686A thru 9695A

1 Supplemental Plate (Plate 1)
9 Form 525 (2 Copies each)
34 Form 526 (2 Copies each)
5 Form 685A (2 Copies each)
14 Form 152
10 Form 567 (4 Copies each)
1 Form 709 (2 Copies)
4 Form 738
5 Form 24A
3 Form 470
5 Pages-Inverses
2 Form 25g
1 Form 250
10 Form 504-Descriptive Report
(2 copies (9)-T-11948 3 copies)

(Signature)
George P. Wirth
Photo Party 723
Division or Party
P. O. Box 4907
Baltimore 20, Md.
Location

RECEIVED THE ABOVE	NAME	TITLE

USCOMM-DC 27024

FORM 164 (4-23-54) 98799

U.S. DEPARTMENT OF COMMERCE
DESCRIPTIVE REPORT

COAST AND GEODETIC SURVEY
CONTROL RECORD Plotted by FAS Date 11-28-61
Checked by BK Date 11-28-61

MAP T- 11816 PROJECT NO. PH-6009 SCALE OF MAP 1:5,000 SCALE FACTOR 6096012

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR y-COORDINATE / LONGITUDE OR x-COORDINATE	DISTANCE FROM GRID IN FEET, OR PROJECTION LINE IN METERS FORWARD	(BACK)	DATUM CORRECTION	N.A. 1927 - DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS FORWARD	(BACK)	FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS FORWARD	(BACK)
SPARROW POINT NORTH CHIMNEY, 1896 ✓	Comp	N.A. 1927,	504,332.05 ✓	30	7441 ✓	✓	No chimney visible on photo			
			944,365.50 ✓	57	5686 ✓					
SPARROW POINT SOUTH CHIMNEY, 1896 ✓	Comp	"	504,624.78 ✓	30	7260 ✓	✓	No chimney visible on photo. on RR track			
			944,398.01 ✓	57	5706 ✓					
BETHLEHEM TANK 1933	Pg 114	"	503,803.12 ✓	30	7119 ✓	✓				
			949,181.70 ✓	57	8622 ✓					
STEELTON, WEST CHIMNEY, 1896 ✓	Comp.	"	502,801.43 ✓	30	6508 ✓	✓	Near chimney ± 3 meters			
			944,767.60 ✓	57	5931 ✓					
STEELTON, EAST CHIMNEY, 1896 ✓	Comp.		502,860.08 ✓	30	6544 ✓	✓	Near chimney ± 3 meters			
			945,305.65 ✓	57	6259 ✓					
SPARROW ECC. (USE), 1916 ✓	Pg 195	"	502,422.80 ✓	30	6278 ✓	✓	Under coal stack pile			
			942,852.63 ✓	57	4764 ✓					
SPARROW, 1915 ✓	Pg 115		501,585.88 ✓	30	5767 ✓	✓	Described #402 p. 2 E.W.E. R.Mi. reported dist. in Description 1915			
			943,654.08 ✓	57	5253 ✓					

1 FT. = .3048006 METER

COMPUTED BY: F.A.S. DATE 25 August 1961 CHECKED BY: [signature] DATE 10/20/61

COMM-DC-57843