10921 10922

10922

10921

Diag. Cht. No. 77-6.

Form 504

U. S. DEPARTMENT OF COMMERCE

COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT

Type of Survey: Planimetric

Field No. Ph-5901 Office No. T-10921 and T-10922

LOCALITY

State: Maryland

General locality: Potomac River

Locality: Issue and Rock Point

1958-59

CHIEF OF PARTY

G.F.Wirth, Photo. Party 723
W.E.Randall, Baltimore Dist. Off.

LIBRARY & ARCHIVES

DATE: April 1964

USCOMM-DC 5087

REPRODUCTION LOG

T- 10921

COMPILATION RECORD	COMPLETION DATE	REMARKS
Compilation completed	10/5/60	Supersedes all previous copies.

REPRODUCTION LOG

T-10922

COMPILATION RECORD	COMPLETION DATE	REMARKS
Compilation completed	9/19/60	Supersedes all previous copies

DATA RECORD

T-10921 and T-10922

Project No. (II): Ph-5901 Quadrangle Name (IV):

Field Office (II): Faulkner, Maryland Chief of Party: George F. Wirth

Photogrammetric Office (III): Baltimore, Maryland Officer-in-Charge: William E. Randall

Instructions dated (II) (III): 28 January 1959
15 May 1959
10 June 1959
13 June 1959
29 June 1959

Copy filed in Division of Photogrammetry (IV)

Method of Compilation (III): Graphic

Manuscript Scale (III): 1:10,000 Stereoscopic Plotting Instrument Scale (III):

Scale Factor (III): 1.000

Date received in Washington Office (IV): Date reported to Nautical Chart Branch (IV):

Applied to Chart No. Date: Date registered (IV):

Publication Scale (IV): Publication date (IV):

Geographic Datum (III): N.A. 1927 Vertical Datum (III): MHW

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): COBB 3 (B of O) 1954

Lat.: 38° 15' 20.956" (646.1 m) Long.: 76° 50' 44.492" (1081.7 m) Adjusted

Plane Coordinates (IV): State: Maryland Zone:

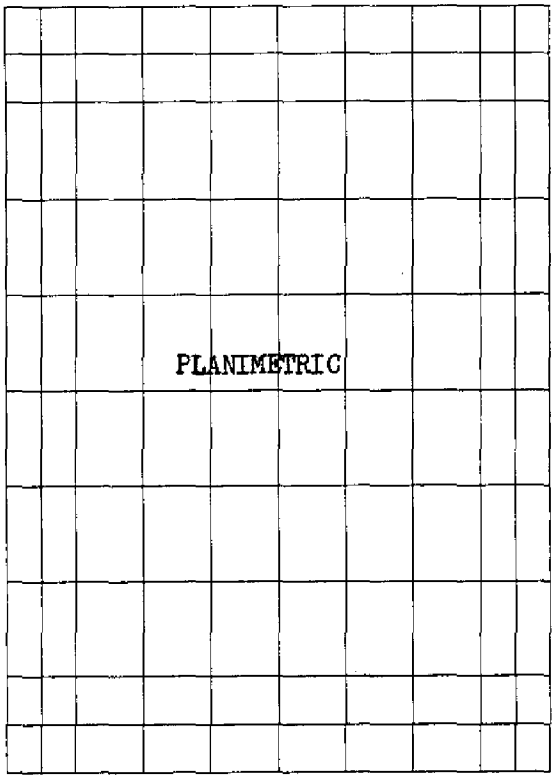
Y=153,897.55 X= 844,312.43

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.

M-2618-12(4)

T-10921 and T-10922



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

M-2618-12(4)

DATA RECORD

Field Inspection by (II): G. F. Wirth, R. S. Tibbetts, E. E. Brown, J. E. Tolodziecki — Date: March 1959 thru December 1959

Planetable contouring by (II): — Date:

Completion Surveys by (II): — Date:

Mean High Water Location (III) (State date and method of location): May 1958 (date of photography)
Field inspection April 1959 supplemented by office interpretation.

Projection and Grids ruled by (IV): P. Dempsey (T-10921) — Date: 5/24/60
J. Keefer (T-10922) — 5/13/60

Projection and Grids checked by (IV): — Date:

Control plotted by (III): J. Steinberg — Date: 6/30/60

Control checked by (III): J. Mooney — Date: 6/30/60

Radial Plot ~~or Stereoscopic Control extension by other~~ M. R. Rudolph — Date: 7/29/60

Stereoscopic Instrument compilation (III): Planimetry — Date:
Contours — Date:

Manuscript delineated by (III): J. Y. Councill and B. Wilson (T-10921) — Date: 10/5/60
B. Wilson (T-10922) — 9/19/60

Manuscript scribed by: (T-10921) R. M. Whitson — Date 10/4/61
(T-10922) R. M. Whitson — Date 9/13/61

Photogrammetric Office Review by (III): R. Glaser — Date: 11/18/60

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

FORM 181c
(4-23-54)

T-10923

U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT - DATA RECORD

4.

Camera (kind or source) (III): USC&GS "W" and nine-lens cameras

PHOTOGRAPHS (III)

Number	Date	Time	Scale	Stage of Tide
59-W-9555	10/5/59	1327	1:10,000	0.8' above MLW
57306, 7 and 8	5/22/58	1217	"	0.2' " "
57333 thru 57336	5/23/58	1244	"	0.2' " "

Tide (III) From predicted Tide Tables.

		Ratio of Ranges	Mean Range	Spring Range
Reference Station:	Washington, D. C.		2.9	3.3
Subordinate Station:	Colonial Beach, Va.	.55	1.6	1.8
Subordinate Station:	Dahlgren, Upper Machodoc Creek	.55	1.6	1.8

~~Washington Office~~ Final Review by (IV): Balto. Dist. Office – R. Glaser Date: 3-14-63

Final Drafting by (IV): Date:

Drafting verified for reproduction by (IV): Date:

Proof Edit by (IV): Date:

Land Area (Sq. Statute Miles) (III): 9
Shoreline (More than 200 meters to opposite shore) (III): 18 mi.
Shoreline (Less than 200 meters to opposite shore) (III): 3 mi.
Control Leveling - Miles (II):
Number of Triangulation Stations searched for (II): 3 Recovered: 3 Identified: 2
Number of BMs searched for (II): None Recovered: Identified:
Number of Recoverable Photo Stations established (III): None*
Number of Temporary Photo Hydro Stations established (III): None

Remarks:

* Three previously established stations searched for; two recovered and identified (see Forms 524).

COMM-DC-57842

FORM 181c
(4-23-54)

T-10924

U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT - DATA RECORD

4a.

Camera (kind or source) (III): USC&GS Nine-lens camera

PHOTOGRAPHS (III)

Number	Date	Time	Scale	Stage of Tide
57304 and 5	5/22/58	1215	1:10,000	0.2' above MLW
57333 and 4	"	1242	"	0.2' " "

Tide (III) From predicted Tide Tables

		Ratio of Ranges	Mean Range	Spring Range
Reference Station:	Washington, D. C.		2.9	3.3
Subordinate Station:	Colonial Beach, Va.	.55	1.6	1.8
Subordinate Station:				

~~Washington Office~~ FINAL Review by (IV): BALTO. DISTRICT OFFICE - R. Glaser Date: 3/14/63

Final Drafting by (IV): Date:

Drafting verified for reproduction by (IV): Date:

Proof Edit by (IV): Date:

Land Area (Sq. Statute Miles) (III): 2
Shoreline (More than 200 meters to opposite shore) (III): 4 mi.
Shoreline (Less than 200 meters to opposite shore) (III): 1 mi.
Control Leveling - Miles (II):
Number of Triangulation Stations searched for (II): None Recovered: Identified:
Number of BMs searched for (II): None Recovered: Identified:
Number of Recoverable Photo Stations established (III): None*
Number of Temporary Photo Hydro Stations established (III): None

Remarks:

* Three previously established recoverable topographic stations searched for; two recovered and identified. (See Forms 524)

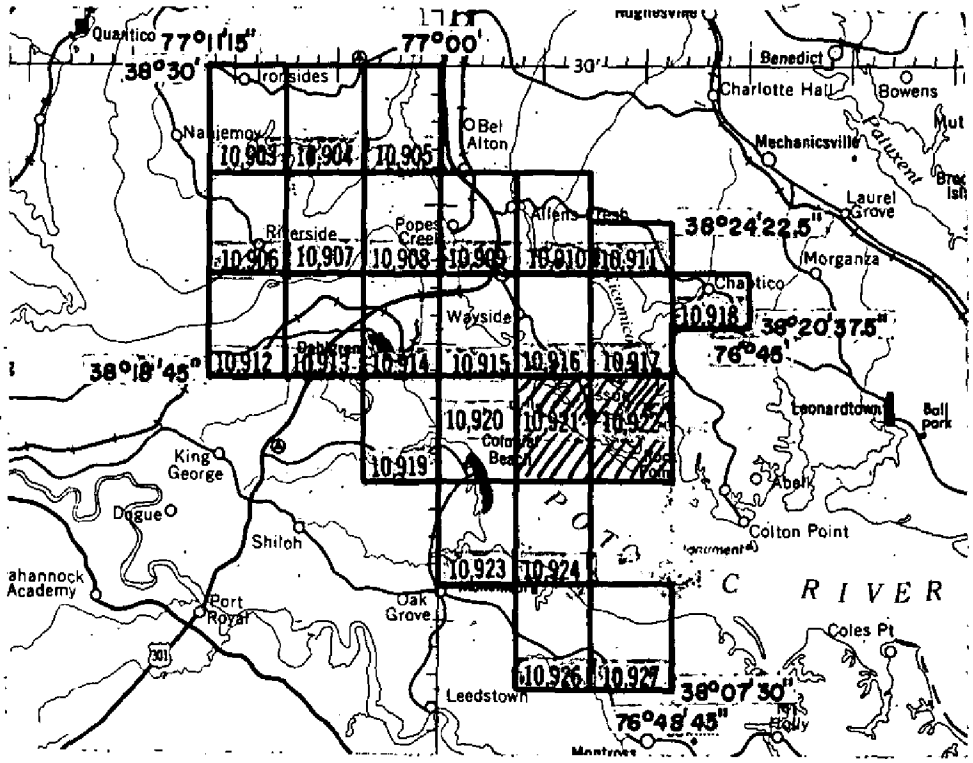
COMM-DC-57842

PROJECT PH-5901

Planimetric Mapping Scale 1:10,000

Potomac River Va.-Md.

Maryland Point to Wicomico River



Official Mileage for Cost Accounts

Sheet Number	Area Sq. Mi.	Lin. Mi. Shoreline	Sheet Number	Area Sq. Mi.	Lin. Mi. Shoreline
10903	13	14	10915	6	7
10904	13	9	10916	14	7
10905	11	14	10917	7	16
10906	12	9	10918	7	2
10907	3	9	10919	12	12
10908	4	5	10920	2	4
10909	13	3	10921	5	12
10910	12	11	10922	6	20
10911	7	2	10923	9	17
10912	10	7	10924	2	4
10913	13	9	10926	14	5
10914	10	13	10927	10	3

TOTALS--- Area 215 Sq. Mi. Shoreline 214 Mi.

Summary to Accompany Descriptive Report

T-10921 & T-10922

Planimetric maps T-10921 and T-10922 are part of 24 similar maps and one Shoreline Survey in project Ph-5901. These maps cover the southern section of Cobb Neck, Maryland including a portion of the Wicomico River and the northeastern shore of the Potomac River from Cobb Island to Bachelors Hope Point. This is a graphically compiled project at a scale of 1:10,000 in advance of hydrographic surveys to be made in the area. The area was covered by 9-lens photography of May 1958, supplemented by single lens "W" photography of October 1959. The manuscripts were controlled by radial plot using Stereoplanigraph bridge points to supplement field identified control. The field operations preceding compilation included complete field inspection, recovery and identification of horizontal control, establishment of recoverable topographic stations and the location of aids to navigation. The manuscripts are vinylite sheets 3-3/4' in latitude by 3-3/4' in longitude which were scribed and reproduced on cronaflex following photogrammetric office review. The registered copies under T-10921 and T-10922 will consist of a cronar film positive and a cronar film negative of each scribed manuscript.

Field Inspection Report

PH - 5901

Maryland and Virginia

2. Areal Field Inspection

This report covers the Maryland portion of the project covering 15 maps in Charles and St. Marys Counties, 10903 thru 10912, 10915 thru 10918, 10921, and 10922.

Further investigation by the hydro party will be necessary at the head of the Port Tobacco River and at "Aqualand" under the U.S. 301 Potomac River Bridge, where construction and dredging are in Progress.

In the NorthWest corner of Map 10910 insufficient overlap of flight lines caused difficulty in delineating drainage on photos.

3. Horizontal Control

Most of the horizontal control was previously located during project PH - 5803. Stations recovered to meet control requirements are listed below:

HILLTOP, 1934	KEY, 1908
PLOWDEN, 1942	EEDLING, 1908
RYCEVILLE, 1942	BURR, 1908

The following triangulation was located as fixed Aids to navigation:

UPPER CEDAR POINT LIGHTHOUSE, 1901	WATER 10, 1954
LOWER CEDAR POINT LIGHT, 1954	COBB POINT BAR LIGHT, 1954
MATHIAS SHOAL POINT LIGHTHOUSE, 1928	

4. Vertical Control

Recovery of inland bench marks was not required, and there were no tidal bench marks in the area.

5. Contours and Drainage

Contouring was not required.

Drainage was examined stereoscopicly and delineated where ill-defined. Field inspection of drainage in accessible places was made. The drainage in the lower parts of many streams is through swamps or marshes. Poor stereo pairs in the NorthWest corner of map 10910 made it necessary to dash in red the probable drainage of ZeKiah Swamp.

6. Woodland Cover

The type of woodland cover is noted on the field photos.

7. Shoreline and Alongshore Features

In many areas along the Potomac and Wicomico Rivers, the MHWL is at the base of a small bluff (10 - 50 feet high). Fronting the bluff are narrow strips of marsh (10-20 feet wide). In areas where the strip of marsh was too narrow to show on the photo, a note to the effect that "tufts" of marsh exist along the shore has been made on the field photos. The MHWL has been put behind these tufts. All other alongshore features have been noted on the photos.

8. Offshore Features

The offshore features have been noted on the photos.

9. Landmarks and Aids

Landmarks and aids for nautical and aeronautical charts were thoroughly investigated and entered on form 567. All were located by the direct method on the photos.

10. Boundaries, Monuments, and Lines.

The legal description of the boundary between Charles and St. Marys Counties was unobtainable at the Charles County Court House. The U.S.G.S. 7.5 minute quadrangle of Rock Point, Md., shows the boundary as the main channel of the Wicomico River from its mouth North to Budds Creek on sheet 10911, hence through Budds Creek off the project limits. This checked with all local inquiries and with the Md. State Highway Marker crossing Budds Creek on Md. State Highway 234, and with the election district map at the Charles County Court House. The boundary has not been delineated on the field photos.

The offical boundary for the Blossom Point Proving Grounds could not be obtained but was delineated on the field photos with the aid of Army personnel at the Proving Grounds and U.S. Government Property Markers.

11. Other Control

All previously marked topographic stations that could be of value to hydrography were searched for and reported on form 524.

The following stations were recovered and identified on the photos:

RAIN (1942) 1959	DOG (1942) 1959 17
L 50 (1943) 1959	ALL (1942) 1959
M 50 (1943) 1959	MATT (1942) 1959 17
BM B B (1943) 1959	RYCEVILLE AZIMUTH MARK 1959
17 DINE (1942) 1959	BM 6 1959 (Virginia)
V 48 (1943) 1959	BM 7 1959 (Virginia)

The following stations were reported lost or could not be found.

W 48 (1943)	PAN (1942)
X 48 (1943)	BAD (1942)
CAD (1942)	PINE (1942)
V 49 (1943)	TICK (1942)
ASK (1942)	MILL (1942)
PIN (1942)	FUN (1942)
FOURTH (1942)	POND (1942)

To satisfy the control requirement of one station every two miles, where no recoverable topographic or triangulation station existed, the following recoverable photo hydro stations were established:

PIER 1959	DORMER 1959 16	SOUTH GABLE 1959
GABLE 1959	BUT 1959	
CHIM 1959	PIER 1959	
BARN 1959	SOUTH GABLE 1959	
PIER END 1959	SILO 1959 17	
CROSS 1959	SILO 1959 17	
SOUTH GABLE 1959	CON 1959 17	

17 Oct 7, 1959

12. Other Interior Features

All roads were classified in accordance with Photogrammetry Instruction No. 56 dated July 1958. Where dirt roads are not permanent and used only for access to fields, they are noted

"field roads." All Buildings were classified in accordance with Photogrametric Instructions No. 54 dated 2 January 1958.

No bridge or cable clearances were required.

Zekiah and Gilbert swamps were not covered with water at the time of field inspection. Local information indicated that they are flooded during wet seasons, and are therefore classified as swamps.

13. Geographic Names

A systematic geographic names investigation was not required, but disputed names were investigated. A geographic names report will be submitted under separate cover.

14. Special Reports and Supplemental Data.

A Coast Pilot Report will be forwarded at a later date.

Respectfully submitted
6 January 1960

George F. Wirth

George F. Wirth
Chief of Party

U. S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

2 September 1960

To: The Director
Coast and Geodetic Survey
Washington 25, D.C.
Attention 73

From: LTJG George F. Wirth
Photo Party 723
P.O. Box 155
Poquonock Bridge, Conn.

Subject: Hydro Signals EGG and DOT -
Project Ph-5901

Reference: Your letter dated 29 August 1960

Hydro Signals EGG and DOT are neither monumented topo stations nor natural objects. These two stations are hydro signals(tripods) which were built and located by the Ship COWIE in the spring of 1959 for use on the channel survey of the Potomac.

This Party identified them in August of 1959 in connection with a check of control identification which was done for Project Ph-161. This check of control was started by Mr. Beugnet and completed by myself. I identified about 5 triangulation stations on PH-161 and these hydro stations which I believe was necessary for a check on the channel survey control. I understood there was difficulty there which was later resolved by the discovery of an error in the computations of the Ship COWIE.

These two stations were not done in connection with Ph-5901. "DOT" is at Colton Point(Ph-161). "EGG" is on a marsh island near Cobb Island and could be mapped for future hydro use but is marked only by a hydro signal which I remember as a 15 foot tripod.

Respectfully,

George F. Wirth, Chief of Party

cc Baltimore D.O.

PHOTOGRAMMETRIC PLOT REPORT
Project Ph-5901
Surveys No. T-10909 thru T-10911,
T-10915 thru T-10918,
T-10921,
T-10922.

21. AREA COVERED

This radial plot covers the areas of the surveys listed above. They are planimetric surveys along the northern shore of the Potomac River between the Wicomico River on the east and just north of Popes Creek on the west. The plot includes the Wicomico River.

22. METHOD - RADIAL PLOT

Map Manuscripts:
Vinylite sheets with polyconic projections in black, Maryland Grid in red and/or Virginia, North Zone in green, were furnished by the Washington Office.

The positions of all triangulation stations, substitute points, and stereo-bridge points were plotted on the manuscripts with the Coordinatograph.

A sketch showing the layout of the surveys, distribution of control, and photograph centers is attached to this report.

Photographs:
Eighteen (18) nine-lens photographs taken in 1958, at a scale of 1:10,000 and twelve (12) single lens photographs taken in 1959, at a scale of 1:40,000 and ratioed to a scale of 1:10,000 were used in the plot, numbered as follows:

Nine-lens			Single lens		
57252	through	57260	59-W-9569	through	9574
57263	"	57270	59-W-9598	"	9603
57285					

Templets:
Vinylite templets were made for all photographs.

The master templet was used to correct for film and paper distortion, and chamber displacement on all nine-lens photographs. No master templet was available for the single lens photographs.

Closure and Adjustment to Control:
The manuscripts for this plot were joined together along with the manuscripts for T-10905, T-10908 and T-10914. These three manuscripts were used so that any control on them could be used in the plot.

The plot was then laid directly on the map manuscripts.

An attempt was made to lay the templets for photographs 57263 through 57270; however, it was impossible to get good intersections for the passpoints when the control was held. An attempt was then made to lay the templets for photographs 57252 through 57260 - with the same results. All templets were removed from the manuscripts and the templet for photograph 57285 (which was well controlled) was laid followed by 57252. Then, using flight lines and making good intersections of passpoints, the rest of the flight through photograph 57260 was laid and tied in to COBB PT. LT., 1954; bypassing EEDLING, 1908; COBB 3 (B of O), 1954; PICCO 2, 1954; [redacted]. The other flights were then laid and a satisfactory plot was made.

The passpoints to the east of T-10922, established in another project, were held in the plot

Transfer of Points:
The positions of all passpoints, photograph centers, and radially plotted positions of control were pricked on the top templet and then drilled through the templets and map manuscripts.

23. ADEQUACY OF CONTROL

The density and distribution of control was at a minimum.

The following control could not be held in the radial plot.

COBB 3 (B of O), 1954 - The radially plotted position of Sub. Pt. A was approximately 0.8 mm west of its computed position. The radially plotted position of Sub. Pt. B was approximately 1.2 mm. ESE of its computed position. After the radial plot was completed, personnel from this office visited the station and located Sub. Pt. A using a different initial station. The position of Sub. Pt. A, was recomputed and checked within 0.2 mm. of its radially plotted position.

After the compilation of survey No. T-10922 was about half completed, another identification card was found that located Sub. Pt. Nos. 1 and 2. This card was dated a year earlier than the one locating Sub. Pts. A and B. The position of Sub. Pt. No. 1 was computed and plotted on the manuscript and verified the radially plotted positions of Sub Pts. A and B.

The field party evidently did not initial on the azimuth station shown on the identification card for the Sub. Pts.

PICCO 2, 1954 - The radially plotted position of Sub. Pt. No. 1 was approximately 3.2 mm SE of its computed position. The radially plotted position of Sub. Pt. No. 2 was approximately 3.25 mm. ESE of its computed position.

After the plot was completed personnel from this office also visited this station and found that the azimuth station, as listed, was incorrect. The positions of the Sub. Pts. were recomputed using the corrected Azimuth Station and replotted on the manuscript. After minor adjustments the plot was corrected to fit the new positions.

EEDLING, 1908 - The radially plotted positions of both Sub. Pts. 1 and 2 were 2.3 mm. east of their computed positions. The description of the station states that the Reference Mark is 23.99 meters east (270° 03' Az.) of the station. The personnel from this office also visited this station and have concluded, since the Station Mark and Reference Mark are similar monuments, that the monument occupied by the field party was the Reference Mark. This was the only monument found at the location.

The positions of the Sub. Pts. were computed assuming that the instrument station was the Reference Mark, and the new computed positions were close to the radially plotted positions.

~~LOWER CEDAR PT. BEACON, 1908 - The radially plotted position of this station is 0.5 east of its plotted position. It may have been moved since 1908.~~

COBB 3 (B of O), 1954; PICCO2, 1954 and EEDLING, 1908 should now be considered as held in the plot as recomputed after the investigation by personnel of this office.

Passpoints, established in a stereoplanigraph bridge of a flight paralleling the shoreline of Potomac River, were used as a guide in constructing this radial plot. Many of these passpoints could not be held exactly and the many small discrepancies of less than 0.5 mm. were in various directions. The positions on the map manuscript are those established in the radial plot.

The following stereo-bridge points could not be held within 0.5 mm:

1101 -	radially	plotted	position	is	0.5 mm. SE
2501 -	"	"	"	"	0.7 mm. SSE
2502 -	"	"	"	"	0.5 mm. NNW
7411 -	"	"	"	"	0.5 mm. NW
7501 -	"	"	"	"	1.1 mm. N
7502 -	"	"	"	"	0.5 mm. NW
7503 -	"	"	"	"	0.8 mm. NW

Passpoints 1002, 1007, and 1008, were not identified for use in constructing the radial plot. However, when making adjustments to the new position of Sub. Pts. afor PICCO 2, 1954; these passpoints were identified and held with the new position.

24. SUPPLEMENTAL DATA

None.

25. PHOTOGRAPHY

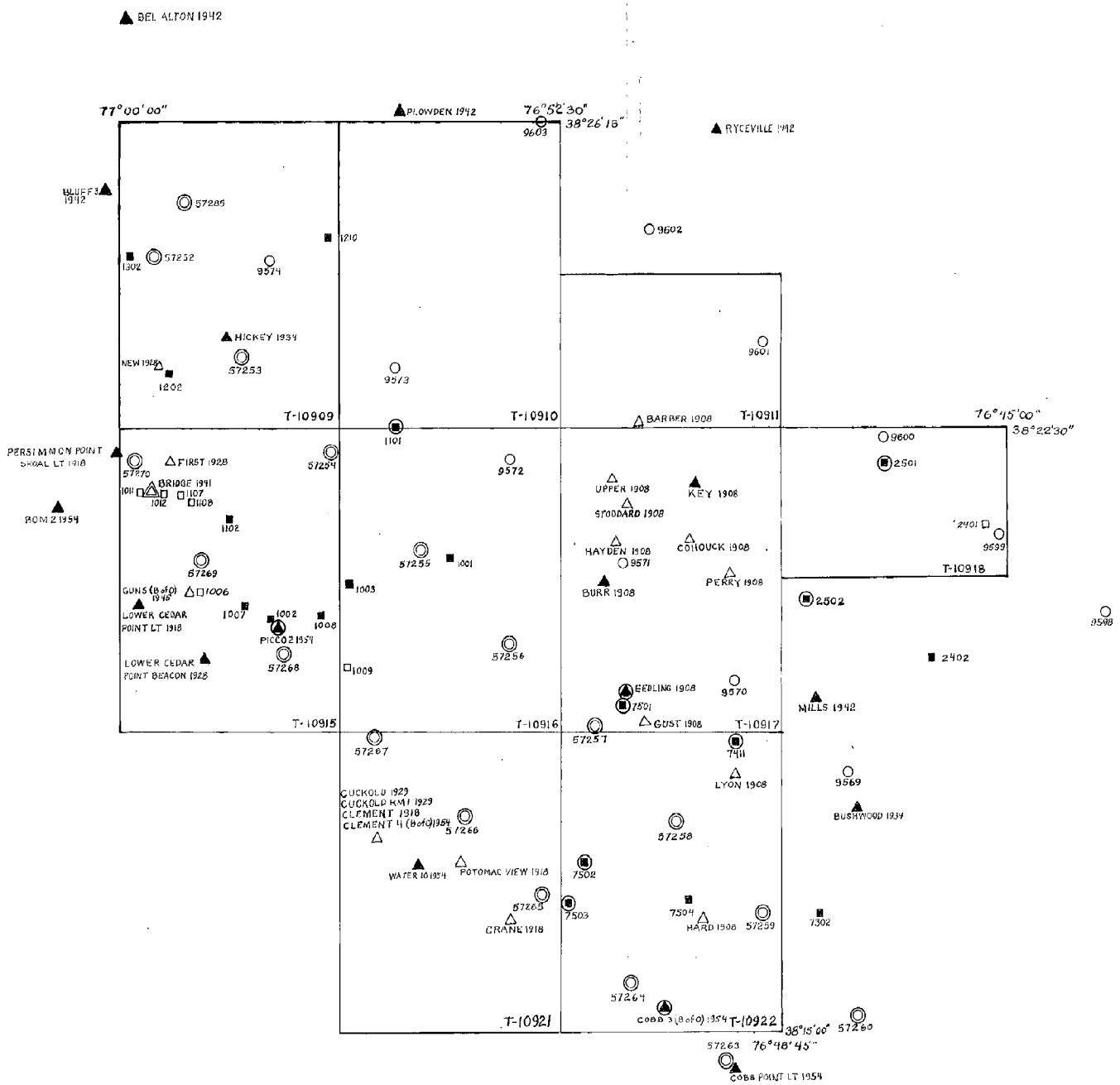
Adequate.

Respectfully submitted
18 August 1960

H. R. Rudolph

H. R. Rudolph
Carto. (Photo.)

10921



LAYOUT SKETCH

PROJECT PH 5901

SURVEYS T-10909 thru T-10911, T-10915 thru T-10918, T-10921 and T-10922.

- o Single Lens Photographs.
- ◎ Nine Lens Photographs.
- ▲ Control Station held in plot.
- ◉ Control Station not held in plot.
- △ Control Station identified but not used in plot
- △ Control Station not identified
- ■ Stereo bridge point held in plot
- ▣ Stereo bridge point not held in plot
- □ Stereo bridge point not used in plot

ORM 164
4-23-54)

U.S. DEPARTMENT OF COMMERCE
DESCRIPTIVE REPORT

COAST AND GEODETIC SURVEY
CONTROL RECORD

MAP T-10921 PROJECT NO. Ph-5901 SCALE OF MAP 1:10,000 SCALE FACTOR

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)
WATER 10, 1954	MD p. 310	N.A. 1927	164,541.67							
			824,151.47							
CEMENT 4 (B of O) 1954	p. 308	"	166,674.26							
			821,909.48							
POTOMAC VIEW,1918	p. 58	"	164,696.17							
			827,756.20							
CRAIN, 1918	p. 58	"	160,834.05							
			834,271.42							

1 FT. = .3048006 METER

COMPUTED BY: J. Steinberg DATE 6/28/60 CHECKED BY: H. R. Rudolph DATE 6/29/60

COMM-DC-57843

FORM 164
(4-23-54)

U.S. DEPARTMENT OF COMMERCE
DESCRIPTIVE REPORT

COAST AND GEODETIC SURVEY
CONTROL RECORD

MAP T-10922 PROJECT NO. Ph-5901 SCALE OF MAP 1:10,000 SCALE FACTOR

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)
COBB 3 (B of O) 1954	Md p. 308	N.A. 1927	153,897.55							
			844,312.43							
Sub. Pt. A COBB 3 (B of O) 1954	Comp.	"	153,793.26							
			844,319.00							
Sub. Pt. B COBB 3 (B of O) 1954	"	"	154,324.61							
			844,501.48							
LYON, 1908	Md p. 123	"	170,985.69							
			850,124.60							
HARD, 1908	p. 122	"	160,352.88							
			847,638.17							
COBB POINT BAR LIGHT, 1954	p. 308	"	149,030.86							
			849,713.99							
ROCK POINT CATHOLIC CHURCH 1908	SP 114 p.213	NORTH AMERICAN	38 16 20.499	632.0		- 20.1	611.9			
			76 50 13.403	325.8		- 1.9	323.9			

1 FT. = .3048006 METER

COMPUTED BY: J. Steinberg DATE 6/28/60 CHECKED BY: H. R. Rudolph DATE 6/29/60

COMM-DC-57843

COMPILATION REPORT
T-10921 & T-10922

31. DELINEATION

Delineation of these manuscripts was by the graphic method.

32. CONTROL

The identification, density and placement of horizontal control was adequate.

Of the 18 triangulation stations found on the project layout in this area, only 3 Forms 526 were available for the compiler's use. However, the following control was omitted from the manuscripts after a study of the triangulation descriptions:

T-10921	T-10922
CLEMENT, 1918	WEISS, 1908
CUCKOLD, 1929	ST. MARGARET 2, 1901
CUCKOLD RM 1, 1929	CALDWELL, 1918
	CORNER, 1908
	CHARLES, 1908
	HEDNEY, 1908

33. SUPPLEMENTAL DATA

Conflicting field inspection data with regard to state highway numbers were corrected by use of the "Official 1960 Maryland Highway Map".

34. CONTOURS AND DRAINAGE

Contours: None.
Drainage: No comment.

35. SHORELINE AND ALONGSHORE DETAILS

Some alongshore discolored areas were field inspected as "Shallow, Mud and Sand". Comparison of these areas with the chart shows neither an abrupt change in depth nor a foreshore area which bares at low water. This inspection, therefore, was not used.

The shoreline inspection, although reinterpreted in some areas where there was more recent photo coverage was considered quite adequate. The small amount of low water lines shown on these surveys were classified by office interpretation.

36. OFFSHORE DETAILS

Some of the many duck blinds are office interpreted by analogy with others which were inspected.

On T-10921, two obstructions of unknown character were delineated by office interpretation. One is in Middletown Branch and the other, labeled "structure" is off Potomac View.
Be sure duck blind on hydro sheet

37. LANDMARKS AND AIDS

Form 567 for nine non-floating aids to navigation are herewith submitted.

There are no recommended landmarks.

38. CONTROL FOR FUTURE SURVEYS

Three Forms 524 are herewith submitted.

Also, see item 49 for 2 hydrographic control stations on T-10921 and 2 non-monumented topographic stations for hydrographic control on T-10922.

39. JUNCTIONS

Junction has been made and is in agreement between these two surveys. Junction has also been made and is in agreement between this unit and T-10916 and T-10917 to the north, and with T-10651 (Ph-161) to the east. To the west and south the junction is in a water area.

40. HORIZONTAL AND VERTICAL ACCURACY

No comment.

41. BOUNDARIES

On T-10922, the county boundary was delineated using the Rock Point Maryland quadrangle as a guide. There was no additional boundary data.

42 thru 45

Not needed.

46. COMPARISON WITH EXISTING MAPS

T-10921 - U.S.G.S. Morgantown, Md.-Va. quadrangle, scale 1:24,000, dated 1953.

T-10922 - A.M.S. Rock Point, Md. quadrangle, scale 1:25,000, dated 1949.

A discrepancy is noted between this quadrangle and manuscript T-10922. Field inspection indicates a 30-ft bluff just north of FENNELL POINT. There is no contour in this area on the quadrangle.

47. COMPARISON WITH NAUTICAL CHARTS

Chart 558, scale 1:40,000, 4th edition 11/16/59, corrected to 7/2/60.

Items to be applied to nautical charts immediately: None.

Items to be carried forward: None.

Respectfully submitted
20 September 1960

Bernice Wilson

Bernice Wilson
Cartographic Aid

Approved and Forwarded

for William E. Randall
CDR, C&GS
Baltimore District Officer

11-21-60

FORM 182
(6-12-56)

U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

10-

PHOTOGRAMMETRIC OFFICE REVIEW

T-10921 & T-10922

1. Projection and grids ✓ 2. Title ✓ 3. Manuscript numbers ✓ 4. Manuscript size ✓

4a. Classification label ✓

CONTROL STATIONS

5. Horizontal control stations of third-order or higher accuracy ✓ 6. Recoverable horizontal stations of less than third-order accuracy (topographic stations) ✓ 7. Photo hydro stations X 8. Bench marks X 9. Plotting of sextant fixes X 10. Photogrammetric plot report ✓ 11. Detail points ✓

ALONGSHORE AREAS

(Nautical Chart Data)

12. Shoreline ✓ 13. Low-water line ✓ 14. Rocks, shoals, etc. X 15. Bridges X 16. Aids to navigation ✓ 17. Landmarks X 18. Other alongshore physical features ✓ 19. Other alongshore cultural features ✓

PHYSICAL FEATURES

20. Water features ✓ 21. Natural ground cover ✓ 22. Planetable contours X 23. Stereoscopic instrument contours X 24. Contours in general X 25. Spot elevations X 26. Other physical features ✓

CULTURAL FEATURES

27. Roads ✓ 28. Buildings ✓ 29. Railroads X 30. Other cultural features ✓

BOUNDARIES

31. Boundary lines ✓ 32. Public land lines X

MISCELLANEOUS

33. Geographic names ✓ 34. Junctions ✓ 35. Legibility of the manuscript ✓ 36. Discrepancy overlay X 37. Descriptive Report ✓ 38. Field inspection photographs ✓ 39. Forms ✓

40. R. Gibson — Reviewer; Joseph Steinberg — Supervisor, Review Section or Unit

41. Remarks (see attached sheet)

FIELD COMPLETION ADDITIONS AND CORRECTIONS TO THE MANUSCRIPT

42. Additions and corrections furnished by the field completion survey have been applied to the manuscript. The manuscript is now complete except as noted under item 43.

Compiler _____ Supervisor _____

43. Remarks:

COMM-DC 34529

Review Report T-10921 & T-10922
Planimetric
March 6, 1963

61. GENERAL STATEMENT

See Summary accompanying Descriptive Report.

62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS

T-10921:

858	1:20,000	1862
859	"	1862
1105	"	1868
2600	"	1902
2730	"	1905
8114	"	1942, 1943

T-10922:

858	1:20,000	1862
1105	"	1868
2730	"	1905
8115	"	1942, 1943

T-10921 and T-10922 supersede the above prior surveys for nautical chart construction.

63. COMPARISON WITH MAPS OF OTHER AGENCIES

U.S.G.S. Morgantown, Md.-Va.	1:24,000	1953
A.S.M.G.S. Rock Point, Md.	1:25,000	1949

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS

T-10921:

H-8613	1:10,000	1961

Minor disagreements were resolved. There were no significant differences between the boat sheet and the manuscript.

H-8703	1:10,000	1961

The boat sheet omitted most of the piers and a small island in Cuckold Creek. It also omitted an obstruction in Middletown Branch.

T-10922:

H-8613	1:10,000	1961

Only the southern portion of the manuscript was covered by this boat sheet.

Two field inspected wrecks on the manuscript are not shown on the boat sheet. Their approximate positions are:

1. Lat. 38° 16.3' Long. 76° 51.7'
2. " 38° 16.1' " 76° 50.5'

Two other small wrecks not on the boat sheet are shown on the manuscript close to the shore just northwest of the bridge crossing Neale Sound.

65. COMPARISON WITH NAUTICAL CHARTS

558 1:40,000 5th Ed. 11/5/62.

T-10921:
A radar screen just southeast of Swan Point is shown incorrectly positioned on the chart.

The general configuration of the shoreline is in good agreement between the chart and the manuscript, but alongshore marsh areas show many differences.

A number of piers on the manuscript are not shown on the chart, especially at Potomac View and in Neale Sound.

T-10922:
The chart and the manuscript are in complete disagreement with respect to bluffs. None of the charted bluffs are on the manuscript and the chart shows no bluffs which are delineated on the manuscript.

Several piers along the east shore of the Wicomico River are missing from the chart.

No other significant differences are noted.

66. ADEQUACY OF RESULTS AND FUTURE SURVEYS

These surveys comply with instructions and meet the National Standards of Map Accuracy.

On T-10922, the field inspection indicated an extensive 30-foot bluff just north of Fennell Point. The A.M.S. Rock Point, Maryland, quadrangle, contour interval of 20-feet, shows no contour here. Future surveys should investigate this discrepancy.

Reviewed by

R. Glaser

R. Glaser

Approved by

Baltimore District Officer

Approved by

L. C. Landy

Chief, Review Section

J. E. Waugh 4/27/64

Chief, Photogrammetry Division

Approved by

Form 567
(10-15-58)

U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

NONFLOATING AIDS ~~OR LANDMARKS~~ FOR CHARTS

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

Baltimore, Maryland 19 Sept. 19 60

I recommend that the following objects which have ~~(have not)~~ been inspected from seaward to determine their value as landmarks be charted on ~~(not charted)~~ the charts indicated.

The positions given have been checked after listing by R. Glaser

William E. Randall
Chief of Party.

STATE	MARYLAND														
			POSITION												
			LATITUDE*			LONGITUDE*									
CHARTING NAME	DESCRIPTION	SIGNAL NAME	°	′	″ D.M. METERS	°	′	″ D.P. METERS	DATUM	METHOD OF LOCATION AND SURVEY	DATE OF LOCATION	HARBOR CHART	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTED
LIGHT	COBB PT. BAR LT., 1954		38	14	32.75 1009.8	76	49	36.893 897.2	N.A. 1927	T-10922 Triang.	12/7/59		x		558
"	COBB ISLAND LT.		38	15	40.61 1252	76	49	55.49 1349	"	Photo Plot	5/13/59		x		"
"	ROCK PT. LT. 1		38	16	34.61 1067	76	49	27.15 660	"	"	"		x		"
"	NEALE SOUND CHAN. LT. 2		38	15	55.82 1721	76	50	23.53 572	"	"	"		x		"
DAYBEACON	NEALE SOUND CHAN. DBN. 4		38	16	03.76 116	76	51	20.77 505	"	"	"		x		"
DAYBEACON	NEALE SOUND CHAN. DBN. 6		38	16	10.05 310	76	51	37.93 922	"	"	"		x		"
LIGHT	NEALE SOUND CHAN. LT. 8		38	16	15.67 483	76	51	51.59 1254	"	"	"		x		"
LIGHT	NEALE SOUND CHAN. LT. 9		38	16	12.94 399	76	51	55.86 1358	"	"	"		x		"
LIGHT	NEALE SOUND CHAN. LT. 11		38	16	00.75 23	76	52	02.67 65	"	"	"		x		"

This form shall be prepared in accordance with Hydrographic Manual, pages 800 to 804. 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 considered for the charts of the area and not by individual field survey sheets. Information under each column heading should be given.

* TABULATE SECONDS AND METERS

USCOMM-DC 27126

48. Geographic Name List

Bachelors Hope Point
Bramleigh Creek
Bramleigh Point

Charleston Creek
Cobb Island
Cobb Neck
Cobb Point
Cobb Point Bar
Cuckold Creek

Fennell Point

Hatton Creek

Issue

Lancaster Wharf
Lone Holly

Middletown
Middletown Branch
Mill Creek

Neale Sound

Persimmon Point
Pon Point
Potomac River
Potomac View

Rock Point
Rock Point (settlement)
S
St. Margaret Island
Shipping Point
Swan Point
Swan Point Neck

Weir Creek
Wise Marsh
White Point
White Point Bar
White Point Island
Wicomico River
Woodland Point

George M. Lee
Geographic Names List
11 July 1963

FORM C&GS-8352
(3-25-63)

NAUTICAL CHART DIVISION

RECORD OF APPLICATION TO CHARTS

FILE WITH DESCRIPTIVE REPORT OF SURVEY NO. T-10921 and T-10922

INSTRUCTIONS

A basic hydrographic or topographic survey supersedes all information of like nature on the uncorrected chart.
1. Letter all information.
2. In "Remarks" column cross out words that do not apply.
3. Give reasons for deviations, if any, from recommendations made under "Comparison with Charts" in the Review.

CHART	DATE	CARTOGRAPHER	REMARKS
			Full Part Before After Verification Review Inspection Signed Via
			Drawing No.
			Full Part Before After Verification Review Inspection Signed Via
			Drawing No.
			Full Part Before After Verification Review Inspection Signed Via
			Drawing No.
			Full Part Before After Verification Review Inspection Signed Via
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			Full Part Before After Verification Review Inspection Signed Via
			Drawing No.

FORM C&GS-8352 SUPERSEDES ALL EDITIONS OF FORM C&GS-975.

USCOMM-DC 8558-P63