

11244

Diag. Cht No. 1222-2.

Form 504

U. S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT

Type of Survey Shoreline

Field No. Ph-119 Office No. T-11244

LOCALITY

State Virginia

General locality Chesapeake Bay

Locality Cherrystone Inlet to the Gulf

1953-55

CHIEF OF PARTY

E.H.Kirsch, Chief of Field Party

E.H.Kirsch, Balto. District Officer

LIBRARY & ARCHIVES

DATE September 1961

USCOMM-DC 5087

11244

DESCRIPTIVE REPORT - DATA RECORD

①

T -11244

Project No. (II): PH-119
25050(6119) Quadrangle Name (IV):

Field Office (II): Exmore, Virginia

Chief of Party: E. H. Kirsch

Photogrammetric Office (III): Baltimore, Md.

Officer-in-Charge: E. H. Kirsch

Instructions dated (II) (III): 6 July 1953
15 February 1956

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): 5/3/61

Publication Scale (IV):

Publication date (IV):

Geographic Datum (III): N.A. 1927

Vertical Datum (III): M.H.W.

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): ROSE, 1898-1932

Lat.: 37° 19' 10.393" (320.4 m) Long.: 76° 01' 03.053" (75.2 m)

Adjusted
~~Unadjusted~~

Plane Coordinates (IV):

State: Virginia

Zone:

South

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.

[illegible]

COMM-DC-57842

DESCRIPTIVE REPORT - DATA RECORD

Field Inspection by (II): James E. Hundley

Date: Jan. 1954

Planetable contouring by (II): None

Date:

Completion Surveys by (II):

Date:

Mean High Water Location (III) (State date and method of location): 1955 date of photography;
field inspection on 1953 photography.

Projection and Grids ruled by (IV): A. Riley

Date: 2/3/54

Projection and Grids checked by (IV): A. Riley

Date: 2/5/54

Control plotted by (III): J. Steinberg

Date: 4/19/55

Control checked by (III): H. R. Rudolph

Date: 4/21/55

Radial Plot ~~or Stereograph~~

Date: 4/13/56

~~Photogrammetric~~ by (III): E. L. Williams

Planimetry

Date:

Stereoscopic Instrument compilation (III):

Contours

Date:

Manuscript delineated by (III): J. J. Schleupner

Date: 7/9/56

Photogrammetric Office Review by (III): R. Glaser

Date: 7/26/56

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

Date:

DESCRIPTIVE REPORT - DATA RECORD

Camera (kind or source) (III): USC&GS nine-lens; USC&GS single lens "W" (4)

PHOTOGRAPHS (III)

Number	Date	Time	Scale	Stage of Tide
40320 - 40322	5/29/53	0912	1:10,000	2.0 above MLW
40538 - 40539	5/30/53	1343	"	0.5 " "
40555 - 40556	5/30/53	1401	"	0.3 " "
4303 - 4305	3/10/55	1354	"	0.4 " "
4335	3/10/55	1410	"	0.7 " "
4407 to 4411	3/10/55	1448	"	0.0 " "

Tide (III)
From predicted tables

Reference Station: Hampton Roads, Va.
Subordinate Station: Cape Charles Harbor
Subordinate Station:

Ratio of Ranges	Mean Range	Spring Range
	2.5	3.0
	2.3	2.8

Washington Office Review by (IV): S.G. Blankenbaker

Date: Feb., 1961

Final Drafting by (IV): Baltimore Office

Date:

Drafting verified for reproduction by (IV): S.G. Blankenbaker

Date: Feb., 1961

Proof Edit by (IV): S.G. Blankenbaker

Date: May, 1961

Land Area (Sq. Statute Miles) (III): 10.5

Shoreline (More than 200 meters to opposite shore) (III): 12.8

Shoreline (Less than 200 meters to opposite shore) (III): 5.4

Control Leveling - Miles (II): none

Number of Triangulation Stations searched for (II): 5

Recovered: 4

Identified: 4

Number of BMs searched for (II): none

Recovered:

Identified:

Number of Recoverable Photo Stations established (III): 1

Number of Temporary Photo Hydro Stations established (III): none

Number of Topographic Stations searched for: 10

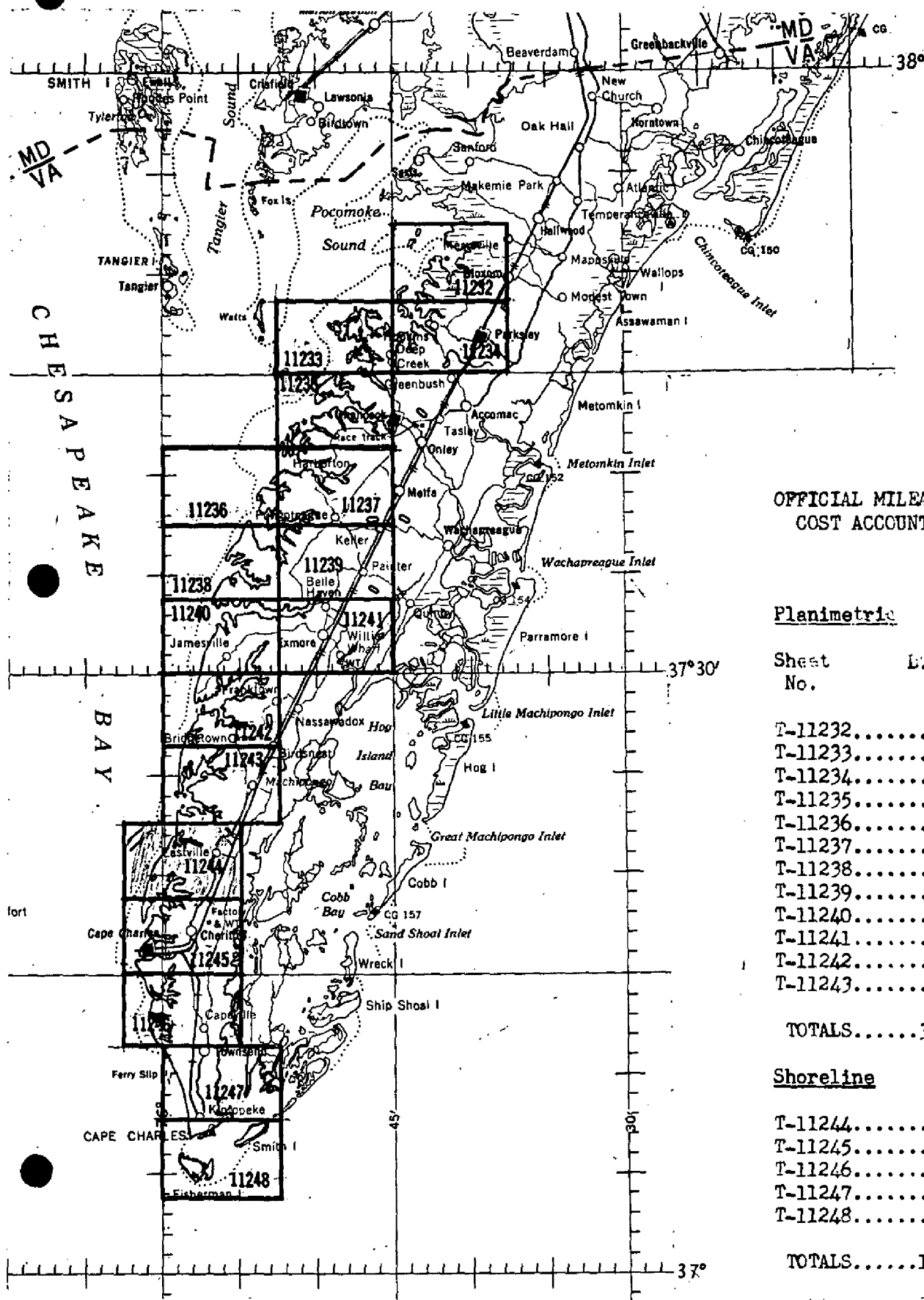
Recovered: 5

Remarks:

(5)

PLANIMETRIC and SHORELINE MAPPING PROJECT PH-119

CAPE CHARLES TO POCOMOKE SOUND, VIRGINIA



OFFICIAL MILEAGE FOR COST ACCOUNTS

Planimetric

Sheet No.	L.M.S.	Sq. M.
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T-11232.....	32.....	18
T-11233.....	30.....	7
T-11234.....	20.....	26
T-11235.....	38.....	17
T-11236.....	8.....	2
T-11237.....	21.....	25
T-11238.....	25.....	9
T-11239.....	4.....	27
T-11240.....	27.....	15
T-11241.....	27.....	26
T-11242.....	39.....	19
T-11243.....	32.....	22

TOTALS.....303....213

Shoreline

T-11244.....	20.....	8
T-11245.....	30.....	5
T-11246.....	27.....	5
T-11247.....	37.....	10
T-11248.....	16.....	4

TOTALS.....130.....32

SUMMARY TO ACCOMPANY DESCRIPTIVE REPORT

T-11244 is one of seventeen 1:10,000 scale maps in Project PH-119. The project covers the eastern shore of the Chesapeake Bay in Virginia from Beasley Bay (Lat. 37° 52' 45") southerly to Cape Charles (Lat. 37° 03' 45").

The project is subdivided into two sections. Section "A" comprised of planimetric surveys T-11232 to T-11243 covers the northern part of the project. Section "B" is comprised of shoreline surveys T-11244 through T-11248.

The principal purpose of the project was to provide shoreline and control for hydrographic surveys. In addition, contour revisions were required in section "A" for the purpose of revising Bureau War Mapping Quadrangles produced for the War Department (1943). In checking contours during field inspection no changes were found over the entire area that warranted changing the original contours.

Field work was accomplished in ¹⁹⁵⁴~~1953~~. Radial plotting and graphic compilation were accomplished in the Baltimore Office. Nine-lens photographs taken in 1953 were used in radial plotting. The nine-lens photographs and single-lens photographs taken in 1955 were used in compilation.

Maps T-11232 through T-11237 were field edited in 1956. The remainder of the maps in the project will be registered as correct to the date of field inspection (1953) or (1954).

A cronaflex positive of advance manuscript T-11244 was furnished the hydrographic survey party prior to sounding. Items registered under T-11244 will include a Descriptive Report and a positive impression on cronar of the scribed copy of the manuscript.

FIELD INSPECTION REPORT
Quadrangles T-11,244 and T-11,245
Project Ph-119(B)(Part) Virginia

2. AREAL FIELD INSPECTION

The land areas consist of about 75% cultivated and 25% trees, bounded on the west by Chesapeake Bay and on the east by Mockhorn and Ramshorn Bays.

The major industry is farming.

These areas are serviced with numerous primary and secondary roads.

The Pennsylvania Railroad operates main line tracks from Cape Charles (city) northward, also R. R. yards, and Rail ferries to Norfolk from Cape Charles (city), Virginia.

It is believed that the field inspection is adequate.

3. HORIZONTAL CONTROL

All previously established control was searched for. Forms 526 are submitted.

Ten additional stations (Fixed Aids to Navigation) were located (third-order accuracy) by triangulation as follows:

(a) Cherrystone Channel Lights 16, 13, 9, 7, Cherrystone Bar Light, Cape Charles Jetty Light, Cape Charles Harbor Range Front Light, Cape Charles Harbor Range Rear Light, Cape Charles Harbor Basin Light, and Oyster Channel Light 6.

4. VERTICAL CONTROL

Not applicable

5. CONTOURS AND DRAINAGE

Not applicable

6. WOODLAND COVER

Not applicable

7. SHORELINE AND ALONGSHORE FEATURES

The shoreline on Savage Neck (Chesapeake Bay) consists mainly of bluffs and is subject to considerable erosion. The shoreline on Mockhorn and Brockenberry Bays consists entirely of marshland.

(a) The MHWL has been shown on the various photographs where feasible.

(b) No attempt was made to show the MLWL.

7. SHORELINE AND ALONGSHORE FEATURES (cont'd)

- (c) The character of the foreshore is indicated on the photographs.
- (d) Bluffs have been indicated on the photography where existent.
- (e) All existing docks, wharves, piers, etc., have been shown on the photographs.
- (f) Not applicable - none.
- (g) All buildings and structures along the shoreline have been shown on the photographs.

8. OFFSHORE FEATURES

All offshore features shown on the photographs were visited and their elevations estimated.

9. LANDMARKS AND AIDS

- (a) Seven prominent objects have been listed and recommended as landmarks for Nautical Charts.
- (b) None
- (c) None
- (d) All fixed aids to navigation (10) were located by third-order triangulation.
- (e) No attempt was made to locate floating aids to navigation.

10. BOUNDARIES, MONUMENTS AND LINES

Not applicable.

11. OTHER CONTROL

Five recoverable topographic stations, established in 1942, were recovered and identified. They are the following: U.S.E. 0-5, 1939; ACE, 1942; CAROL, 1942; FAY, 1942; and TOT, 1942.

Three photo-hydro control stations, identified in 1942, were recovered and identified. They are the following: Herringcliff Windmill, Carpenters, and Watch House.

12. OTHER INTERIOR FEATURES

All roads and buildings, required for shoreline mapping projects, have been properly classified and shown on the photographs. Plans are submitted for Pennsylvania R. R. Yards.

13. GEOGRAPHIC NAMES

The following names should be deleted, from the U.S.E. CHERITON QUADRANGLE, as they could not be confirmed:

1. JAMES CROSSROADS
2. EASTVILLE STATION
3. SIMPKINS
4. PAT TOWN

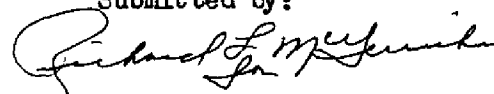
One new name, CULLS, and the correct placement of the names STUMPTOWN and LITTLE SALISBURY have been shown on the photographs.

14. SPECIAL REPORTS

A coast pilot report for Ph-119 Section "B" is being forwarded as a separate report.

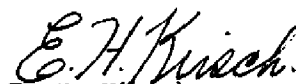
10 February 1954

Submitted by:



James E. Hundley

Approved



E. H. Kipsch,
Comdr. USC&GS
Officer in Charge

PHOTOGRAMMETRIC PLOT REPORT
Project No. Ph-119
Surveys Nos. T-11244 (part),
T-11245 and T-11246

21. AREA COVERED

This radial plot covers all of the area of surveys Nos. T-11245 and T-11246 and approximately half of Survey No. T-11244. These are shoreline surveys located along the east shore of the Chesapeake Bay in the vicinity of Cape Charles Virginia. It extends from south of Elliotts Creek to The Gulf and includes Old Plantation Creek and Cherry-stone Inlet.

22. METHOD - RADIAL PLOT

Map Manuscripts:

Vinylite sheets with polyconic projections in black and Virginia, South, State Grids in red, at a scale of 1:10,000 were furnished by the Washington office. Base sheets were prepared in this office.

All control stations and substitute stations were plotted using the meter bar and beam compass.

A sketch, showing the layout of the surveys in this plot and the distribution of control and photograph centers, is attached to this report. A list of control station names is also attached to this report.

Photographs:

All photographs used in this plot are nine-lens unmounted prints at a scale of 1:10,000. Twenty-two (22) photographs were used in the plot, numbered as follows:

40315 thru 40321
40466
40538 thru 40544
40549 thru 40555

Templets:

Vinylite templets were made for all photographs. The master templet was used to correct for errors due to film and paper distortion and chamber displacement.

Closure and Adjustment of Control:

Vinylite base sheets were prepared in this office.

All identified control was transferred to the base sheets by matching common grid lines.

In addition, some pass points and photograph centers located on Survey No. T-11246 by a previous plot were also transferred to the base sheet.

22. METHOD - RADIAL PLOT (cont'd)

Closure and Adjustment of Control (cont'd):

The radial plot was then constructed on the base sheets.

The centers for photographs numbered 40466, 40543, 40544, 40549 and 40550 had all been located by the previous plot. Therefore, the templets for these photographs were laid first. The plot was then extended northward to tie-in with control stations SCOTT 2, 1910; EASTVILLE MUNICIPAL WATER TANK, 1942; and MATTA 2, 1911. A satisfactory plot was constructed. Only one control station, CAPE CHARLES "CHAR" WATER TANK, 1914, could not be held in the plot. Another control station, CAPE CHARLES ICE PLANT STACK, 1939, approximately 6.5 mm south of station CAPE CHARLES "CHAR" WATER TANK, 1914, was identified in this office and held in the plot - along with the many other control stations in the area.

Transfer of Points:

The positions of all pass points and photograph centers were pricked directly on the map manuscripts by superimposing the manuscripts on the completed plot and matching common grid lines.

23. ADEQUACY OF CONTROL

The control was inadequate in the area of Survey No. T-11244 to complete the plot at this time. It will be completed when the radial plot will be extended into T-11243.

As previously stated, one control station could not be held in the plot.

CAPE CHARLES "CHAR" WATER TANK, 1914 - The radially plotted position of the station falls 0.8 mm east of its geographic station. Since all other control in the area could be held in the plot; either the water tank, which is the station, has been rebuilt since 1914 or the position is in error.

24. SUPPLEMENTAL DATA

No supplemental data was used. All of the old recoverable topographic stations which were recovered and identified were located in the radial plot.

25. PHOTOGRAPHY

The overlap in line of flight and between flights was very good. Photographic coverage was adequate, except in the northern part of survey No. T-11244. The photographs in the middle flight north of No. 40555 were not available at this time.

25. PHOTOGRAPHY (cont'd)

The pass points and photograph centers north of a line from control station ROSE, 1898 thru EASTVILLE MUNICIPAL WATER TANK, 1942 to SCOTT 2, 1910 should be considered weak until the plot is extended northward when the radial plot for T-11243 is adjusted with photographs not available in time for this plot.

No tilt determinations were made since there was very little evidence of tilt in any of the photographs used in the plot.

Respectfully submitted
3 May 1955

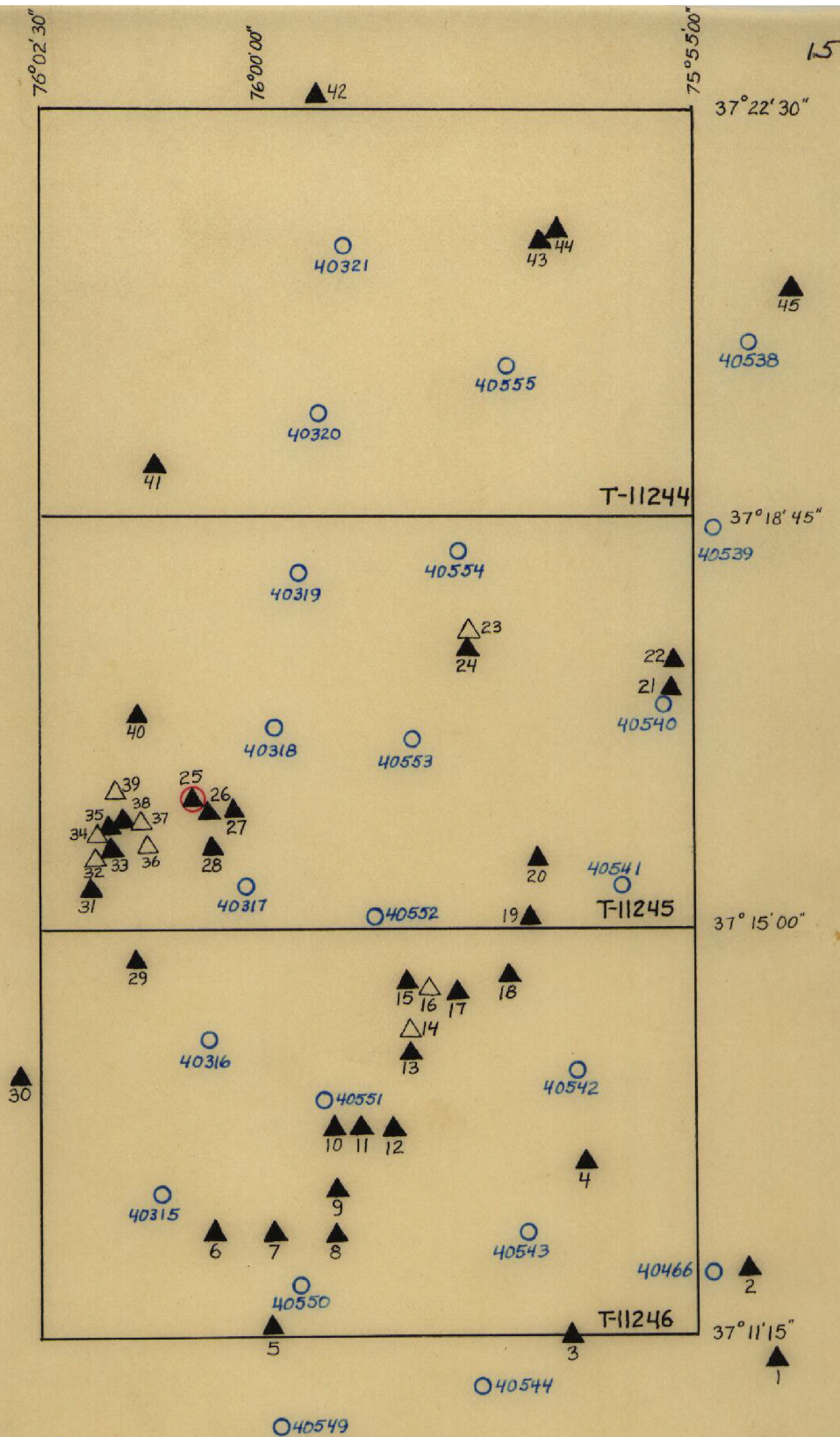
Harry R. Rudolph

Harry R. Rudolph
Carto. Photo. Aid

LIST OF CONTROL

No.	Name of Control Station	Identification
1	CENTER MOCKHORN 2, 1910	Sub point
2	MOCKHORN (USE), 1939	" "
3	KETCHAM 2 RM 2, 1910	" "
4	DALBY, 1910	" "
5	CHEAPSIDE (USE), 1939	direct
6	WILLIS, 1932	Sub Point
7	WILLIS AZ. MK, 1932	" "
8	CONTROL POINT 1	Direct
9	CONTROL POINT 2	"
10	CONTROL POINT 3	"
11	CUSTIS, 1953 (CONTROL PT 4)	Sub point
12	PARSONS, 1953 (CONTROL PT 5)	" "
13	CONTROL POINT 6	Direct
14	W. S. 12, 1953	None
15	CONTROL POINT 7	Direct
16	WS 15, 1953	None
17	CONTROL POINT 8	Direct
18	CONTROL POINT 9	"
19	CONTROL POINT 10	"
20	SEAVIEW, 1939	Sub point
21	MORGAN 2, 1910	" "
22	OYSTER CHANNEL LT. NO. 6, 1954	Direct
23	CHERITAN, WEBSTER CANNING CO. TANK, 1939	None
24	CHERITAN, WEBSTER CANNING CO. STACK, 1939	Direct
25	CAPE CHARLES "CHAR" WATERTANK, 1914	"
26	CAPE CHARLES ICE PLANT STACK, 1939	Office Direct
27	CAPE CHARLES PENN. R. R. SHOP STACK, 1939	Direct
28	TRANSMISSION TOWER, 1942	"
29	CAPE CHARLES CITY RANGE FRONT LT, 1954	"
30	OLD PLANTATION FLATS LIGHTHOUSE 2, 1939	"
31	CHERRYSTONE BAR LIGHT, 1954	Office Direct
32	CHERRYSTONE CHANNEL LIGHT No 7, 1954	None
33	CAPE CHARLES HARBOR RANGE FRONT LT, 1954	Direct
34	CHERRYSTONE CHANNEL LIGHT NO 9, 1954	None
35	CAPE CHARLES JETTY LIGHT, 1954	Direct
36	CAPE CHARLES (USE), 1939	None
37	CAPE CHARLES BASIN LIGHT, 1954	"
38	CAPE CHARLES HARBOR RANGE REAR LIGHT, 1954	Direct
39	CHERRYSTONE CHANNEL LIGHT NO. 13, 1954	None
40	CHERRYSTONE CHANNEL LIGHT NO 16, 1954	Direct

No.	Name of Control Station	Identification
41	ROSE, 1898-1932	Sub point
42	MATTA 2, 1911	" "
42	MATTA, 1898	None
43	EASTVILLE, 1932	Sub. point
44	EASTVILLE MUNICIPAL WATER TANK, 1942	Direct
45	SCOTT 2, 1910	Sub point



LAYOUT SKETCH PH-119

SURVEYS NOS T-11244(part), T-11245 and T-11246

- NINE LENS PHOTOGRAPHS
- ▲ CONTROL STATIONS (identified)
- △ CONTROL STATIONS (Not identified)
- ◐ CONTROL STATIONS (Not held in plot)

SCALE FACTOR:

1 FT. = 3048006 METER
COMPUTED BY: J. Steinberg
DATE: March 10, 1954
CHECKED BY: H. R. Rudolph
DATE: March 30, 1955
COMM-DC-5784

COMPILATION REPORT

T-11244

Photogrammetric Plot Report:

In addition to the attached report, refer to the Photogrammetric Plot Report which is part of the Descriptive Report for Survey T-11239.

31. DELINEATION

This manuscript was delineated by graphic methods. The 1955 single lens photographs were used in preference to the 1953 nine-lens photographs where coverage was available.

32. CONTROL

Refer to the Photogrammetric Plot Reports.

33. SUPPLEMENTAL DATA:

The A. M. S. Cheriton and Wescott Point quadrangles were used for geographic names.

34. CONTOURS AND DRAINAGE

Contours: Inapplicable.

Drainage: No comment.

35. SHORELINE AND ALONGSHORE DETAILS

The quality of the shoreline inspection was adequate. No attempt was made to delineate the low water line.

36. OFFSHORE DETAILS

The offshore sand bar at the mouth of The Gulf was delineated as a shallow area because a satisfactory low water line could not be interpreted.

37. LANDMARKS AND AIDS

Form 567 has been submitted for two landmarks recommended by the field party.

38. CONTROL FOR FUTURE SURVEYS

Forms 524 are being submitted for 5 recoverable topographic stations recovered, 5 stations lost, and one new station established. In paragraph 11 of the Field Report, 3 old stations were treated as photo-hydro stations.

Discrepancies of as much as 20 meters were noted in the positions of the recoverable topographic stations compared with the previous positions. All positions shown were established in the radial plot.

39. JUNCTIONS

Junction has been made with survey T-11245 to the south. Junction with T-11243 to the north will be made after the completion of that survey. There are no contemporary surveys to the east and west.

Refer to the final review report for junction to the east.

40. HORIZONTAL AND VERTICAL ACCURACY

No comment.

41-45

Inapplicable.

46. COMPARISON WITH EXISTING MAPS

Comparison was made with the A.M.S. Cheriton and Wescott Point quadrangles, scale 1:24,000 editions of 1950.

47. COMPARISON WITH NAUTICAL CHARTS:

Chart 1222, scale 1:80,000 published January 1953, corrected to 6/29/55.

Items to be applied to nautical chart immediately: None.

Items to be carried forward: None.

Respectfully submitted
10 July 1956

Approved and forwarded

E. H. Kirsch
E. H. Kirsch,
Capt. C&GS
Baltimore District Officer

John J. Schleupner
John J. Schleupner
Carto. Survey Aid

PHOTOGRAMMETRIC OFFICE REVIEW

T- 11244

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

CONTROL STATIONS

4a. Classification label ☒

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 ☒ 8. Bench marks ☒ 9. Plotting of sextant fixes ☒ 10. Photogrammetric plot report ☒ 11. Detail points ☒

ALONGSHORE AREAS

(Nautical Chart Data)

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

PHYSICAL FEATURES

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

CULTURAL FEATURES

27. Roads ☒ 28. Buildings ☒ 29. Railroads ☒ 30. Other cultural features ☒

BOUNDARIES

31. Boundary lines ☒ 32. Public land lines ☒

MISCELLANEOUS

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

40. P. Glaser Frank J. Hareza
Reviewer 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:

GEOGRAPHIC NAME LIST

*Cherrystone Inlet
*Chesapeake Bay

Eastville
Eyrehall Neck
*Eyreville Creek
Eyreville Neck

Indiantown Neck

Old Castle Creek
Old Town Neck

Remus Creek

Savage Neck

Taylor Creek
The Gulf

Westcott Cove
White Cliffs
Wilkins Beach

* E.G.N. Decision

George M. Bee
GEOGRAPHIC NAMES SECTION
16 SEPTEMBER 1960

REVIEW REPORT
SHORELINE SURVEY T-11244
February 1961

61. General Statement:

Road delineation on this manuscript is incomplete. The existence of Geological Survey quadrangles (Wescott Point, 1955 and Cheriton, 1955) covering the area was apparently the reason for the elimination of roads. A new nautical chart (No. 362 - 1:40,000 scale) covering the area of this survey has been compiled (to be published at a later date). The USGS quadrangles were available as source material for the chart. Comparison of the shoreline map with the quadrangles is discussed under side heading 63 of this report.

Some shoreline revisions were made on cronarflex positives of Advance Manuscripts T-11240 and T-11242 through T-11244 by the photogrammetrist attached to the hydrographic survey party. These revisions and additional changes found by the hydrographic survey party during "sounding" were not applied to the final (registration) copies of the planimetric and shoreline maps. The field revised cronarflex copies are classified hydrographic records to comply with instructions to the East Coast field Party issued 2 March 1960 by the Assistant Director. These shoreline changes are referred to under side headings "G" of the hydrographic Descriptive Report and 64 of this report.

62. Comparison with Registered Topographic Surveys:

350	1:20,000	1851
495	1:20,000	1852
2676	1:20,000	1904-05
8177	1:20,000	1942
8176	1:20,000	1942

T-11244 supersedes the prior Bureau surveys for nautical charting purposes in common areas. Surveys T-8176 and T-8177 were published by the AMS in 1942 (Wescott Point and Cheriton quadrangles). The comparison of T-11244 with the quadrangles is discussed under side heading 63.

- 2 -

63. Comparison with Maps of Other Agencies:

Wescott, Va.	(USGS)	1:24,000	1955
Cheriton, Va.	(USGS)	1:24,000	1955

T-11244 and the GS quadrangles are in good overall agreement in horizontal position of common details. The omission of roads from T-11244 is discussed under side heading 61. There are differences between the shoreline survey and the quadrangles resulting from differences in interpretation of apparent shoreline:

Wescott, Va.	(AMS)	1:25,000	1942
Cheriton, Va.	(AMS)	1:25,000	1942

T-11244 and the AMS quadrangles (Bureau surveys T-8176 and T-8177) are in good overall agreement in horizontal position of common details. Shoreline differences are discussed in section 64 (comparison with H-7911).

64. Comparison with Contemporary Hydrographic Surveys:

H-8506	1:10,000	1959
--------	----------	------

Shoreline and control were transferred from blue line prints of Advance Manuscripts T-11243 and T-11244 to the boat sheet (H-8506) prior to sounding. T-11244 was compared with the unverified smooth sheet.

A $2\frac{1}{2}$ mile section of shoreline (Savage Neck area) was revised in 1959 by planetable methods on a coronaflex positive copy of Advance Manuscript T-11244. This revision will not be applied to the final copy of T-11244 (refer to side heading 61). Sections of shoreline in this area were revised on the final copy of T-11244 by office inspection of photographs during final review. Existing shoreline differences between the hydrographic and shoreline surveys apparently result from natural changes in shoreline that occurred during the elapsed time between the surveys.

Shoal areas and shallow lines shown on T-11244 were delineated from office inspected photographs taken at a height of tide of approximately 0.5 ft. above MLW.

- 2 -

H-7911

1950-53

1:10,000

T-11244 was compared with the hydrographic survey smooth sheet. The sources of the smooth sheet shoreline in the common area (T-11244 and H-7911) were T-8176 and T-8177 (1942). There are shoreline differences between T-11244 and H-7911. The differences are apparently due to natural changes (Chesapeake Bay - Savage Neck area) that occurred during the elapsed time between the surveys and to differences in interpretation of apparent shoreline. There are no conflicts between T-11244 shoreline and H-7911 soundings.

65. Comparison with Nautical Charts:

1222

1:80,000

1959 revised 6/20/60

A few minor differences were noted. A new chart covering this area is to be published (side heading 61).

66. Adequacy of Results and Future Surveys:

Except for inadequacies in the delineation of roads (refer to side heading 61) this map meets Bureau requirements. GS quadrangles published in 1955 cover the area of this map and the four southernmost shoreline maps in the project. This map meets the National Standards of Map Accuracy.

67. Junctions:

Junction (east) with details on USGS quadrangle Cheriton - 1955 at Long. 75°55' is satisfactory.

Reviewed by:

S. G. Blankenbaker
S. G. Blankenbaker

Approved:

L. C. Landy
Chief, Review & Drafting Sec.
Photogrammetry Division

J. E. Vaughn
Chief, Nautical Chart
Division

Asst. L. F. Woodcock
Chief, Photogrammetry
Division

J. Bowie
Chief, Operations
Division

DEPARTMENT OF COMMERCE
U.S. COAST AND GEODETIC SURVEY

TO BE CHARTED
10/08/1987/1987

STRIKE OUT ONE

NONFUNCTIONAL AIDS/GR LANDMARKS FOR CHARTS

Baltimore, Maryland

July

1956

I recommend that the following objects which have ~~(bb)(1)~~ been inspected from seaward to determine their value as landmarks be charted on ~~(bb)(1)~~ the charts indicated.

The positions given have been checked after listing by

E. H. Kirsch	Chief of Party.
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Chief of Party.

[illegible]

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. The data should be considered for the charts of the area and not by individual field survey sheets. Information under "ich column heading should be given.

SURVEY NO. T 11244

Record of Application to Charts

[illegible]

M-2168-1

A basic hydrographic or topographic survey supersedes all information of like nature on the uncorrected chart. Give reasons for deviations, if any, from recommendations made under "Comparison with Charts" in the Review.