

T-11700

T-11700

Form 504	
U. S. DEPARTMENT OF COMMERCE	
COAST AND GEODETIC SURVEY	
DESCRIPTIVE REPORT	
Type of Survey	Planimetric
Field No. Ph-5907	Office No. T-11700
Class A-III (Refer to page 6)	
LOCALITY	
State	Virginia
General locality	Cape Charles
Locality	Mockhorn Channel
1959-62	
CHIEF OF PARTY	
George F. Wirth, Photo. Party 723	
W. E. Randall, Baltimore District Officer	
<del>Alfred G. Holmes, Director, AMC</del>	
LIBRARY & ARCHIVES	
DATE	JUL 1975

DESCRIPTIVE REPORT - DATA RECORD

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T 11700

Project No. (II): Ph-5907

Quadrangle Name (IV): Mockhorn Channel

Field Office (II): Keller, Virginia

Chief of Party: G. F. Wirth

Photogrammetric Office (III): Baltimore, Maryland

Officer-in-Charge: W. E. Randall

Instructions dated (II) (III): 10/20/59  
Ltr. from Ass't Dir., 4/26/60

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):

OCT 9 1959

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): DALBY, 1887

(Va. Vol. 1 page 115)

Lat.: 37° 12' 54.433" (1678.1 m)

Long.: 75° 56' 16.322" (402.4 m)

Adjusted  
Knapstock

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.

DESCRIPTIVE REPORT - DATA RECORD

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Field Inspection by (II): G. F. Wirth  
R. S. Tibbetts  
P. C. Specht

Date: January 1960  
thru April 1960

Planetable contouring by (II):

Date:

Completion Surveys by (II):

Date:

Mean High Water Location (III) (State date and method of location): April & May 1960 field inspection on October 1959 photographs.

Projection and Grids ruled by (IV): R. A. C.

Date: Dec. 1960

Projection and Grids checked by (IV): J. D. C.

Date: Jan. 1961

Control plotted by (III): J. C. Richter

Date: January 1961

Control checked by (III): F. J. Tarcza

Date: Jan. 1961

Radial Plot ~~and Stereoscopic~~ H. R. Rudolph  
Control extension by (III):

Date: Feb. 1961

Planimetry  
Stereoscopic Instrument compilation (III):

Date:

Contours

Date:

Manuscript delineated by (III): J. C. Council

Date: May 1961

Photogrammetric Office Review by (III): J. C. Richter

Date: Sept. 1961

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

Date:

DESCRIPTIVE REPORT - DATA RECORD

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3

Camera (kind or source) (III): ~~USCG~~ nine-lens and single lens<sup>w</sup> cameras

Number	Date	Time (EST)	Scale	Stage of Tide
60,555 thru 60,557	10/13/59	11:32	1:10,000	0.1' above MLW
60,588 thru 60,590	"	11:51	"	0.0 " "
59-W-9868 to 9886	"		"	
Black & whites of color transparencies.				
62-W-3995 thru 62-W-3998	4/28/63	13:10	"	3.3 " "

Tide (III)  
From Predicted Tables

Reference Station: Sandy Hook.  
Subordinate Station: Smith Island Coast Guard Station  
Subordinate Station:

Ratio of Ranges	Mean Range	Spring Range
	4.6'	5.6'
	3.5'	4.2'

Atlantic Marine Center  
~~Atlantic Marine Center~~ Review by (IV):

C. H. Bishop

Date: Dec. 1973

Final Drafting by (IV): R.D.Purvis (Tampa District Office)

Date: March 1963

Final drafting reviewed by: W.H.Shearouse (Tampa)

March 1963

Drafting verified for reproduction by (IV):

Date:

Proof Edit by (IV):

Date:

Land Area (Sq. Statute Miles) (III): 8.5

Shoreline (More than 200 meters to opposite shore) (III): 24 mi.

Shoreline (Less than 200 meters to opposite shore) (III): 40 mi.

Control Leveling - Miles (II):

Number of Triangulation Stations searched for (II): 9 Recovered: 7

Identified: 6

Number of BMs searched for (II): 1 Recovered: 0

Identified:

Number of Recoverable Photo Stations established (III): ~~X~~ 1

Number of Temporary Photo Hydro Stations established (III): 0

Remarks:



T-11700

COMPILATION RECORD	COMPLETION DATE	REMARKS
Compiled	Sept. 1961	Superseded
Revised from April 1962 photos Manuscript complete pending field edit	July 1962	Superseded
Final review	Dec. 1973	

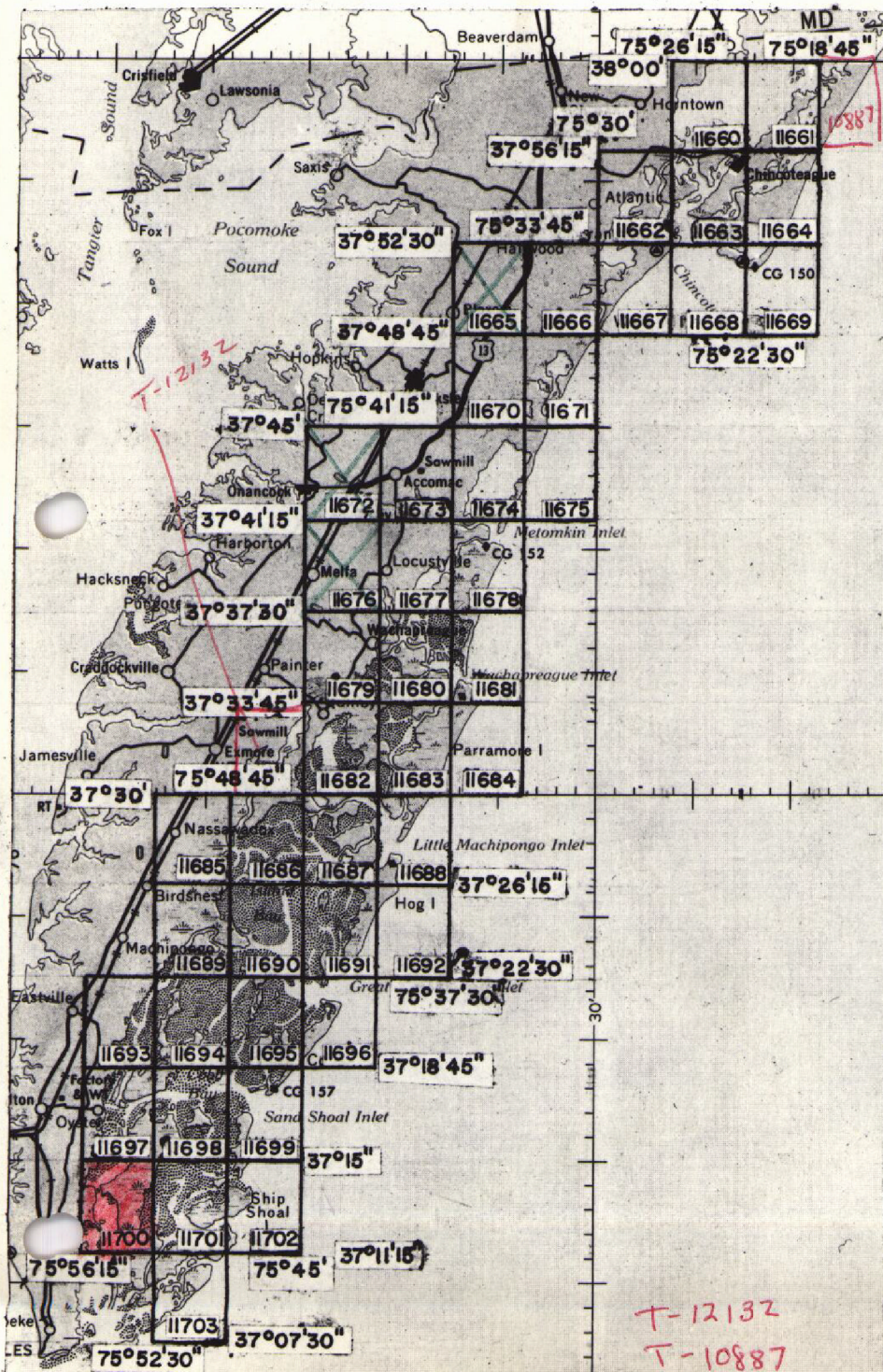


PH-5907

# CAPE CHARLES TO ASSATEAGUE, VA

Planimetric Mapping Scale 1:10,000

OFFICIAL MILEAGE  
FOR COST ACCOUNTS



Sheet No.	Area Sq. Mi.	Lin. Mi. Shoreline
11660	5.6	10.1
11661	5.6	15.1
11662	12.6	18.9
11663	7.4	22.7
11664	8.4	16.4
11665	16.8	0
11666	15.8	7.6
11667	7.4	7.6
11668	.8	1.3
11669	1.0	3.8
11670	16.4	1.3
11671	8.4	15.1
11672	16.8	0
11673	16.0	5.0
11674	8.0	16.4
11675	.8	3.8
11676	16.8	0
11677	12.6	10.1
11678	8.4	16.4
11679	15.8	7.6
11680	11.2	31.5
11681	4.2	10.1
11682	8.4	15.1
11683	11.2	15.1
11684	1.8	2.5
11685	16.4	3.8
11686	4.2	15.1
11687	5.6	20.1
11688	5.6	15.1
11689	12.6	11.3
11690	4.2	11.3
11691	4.2	16.4
11692	1.8	2.5
11693	11.2	11.3
11694	5.6	16.4
11695	4.2	18.9
11696	4.2	8.8
11697	11.2	20.2
11698	5.6	16.4
11699	4.2	12.6
11700	8.4	16.4
11701	8.4	13.9
11702	4.2	11.3
11703	5.6	22.7
TOTALS	365.6	515.9



SUMMARY TO ACCOMPANY  
DESCRIPTIVE REPORT T-11700

This 1:10,000 scale shoreline manuscript is one of 43 maps that comprise Project PH-5907, Cape Charles to Assateague, Virginia. The project diagram indicates the location of this map in the project.

Field inspection prior to compilation was done on 9-lens photographs in April 1960.

Compilation was done graphically and was based on a radial plot using 9-lens photography taken in October 1959. It was later revised from photographs taken in April 1962, after the hurricane of March 1962. *Atlantic Ocean Shoreline revised from 1962 photographs)*

There was no field edit of this map.

Final review was done at the Atlantic Marine Center in December 1973.

The compilation manuscript was a vinylite sheet 3 minutes 45 seconds in latitude by 3 minutes 45 seconds in longitude.

A cronaflex copy of the final reviewed manuscript and a negative were forwarded for record and registry.

Field Inspection Report

PH-5907

Eastern Shore of Virginia

2. Areal Field Inspection

This report covers the southern seven maps in Northampton County, sheets 11697 thru 11703.

Most of the area is salt marsh which covers at high water. There are many deep channels through the marshes, but most of these channels are choked at the ocean or where they enter large bays. The ocean beach is lined with various sized sand dunes.

The photography was satisfactory.

A shack under construction on Black Rock Channel, at Goodwin Island, should be investigated by the field edit party.

The hydro party should investigate a charted wreck on Wreck Island. See section 8 of this report for details.

3. Horizontal Control

Stations not recovered, which were control requirements:

Magothy Bay, Channel Light No. 6

Smith  
Smith 2  
Smith Hydrographic  
Smith's Island North 2  
Mink  
Mink 2  
Ship Shoal 3  
Wreck 3  
Sand Shoal Inlet, the Spit Beacon  
Sand Shoal Inlet, Running Channel Black Beacon  
Cobb 3

None of these stations could be found. Many stations bordering the ocean were lost due to erosion. The shacks were destroyed by fire or hurricanes.

All the stations on the sheets that had not been previously reported as lost were reported on Form 526 at this time.

Reported As Lost On Form 526:

Magothy Bay Channel Light No 6, 1954  
Smith Hydrographic, 1929  
New Inlet, East Gable, East Shack, 1934  
House on Flats, Center, 1934  
Wreck No 3, 1933  
Spit Light, Sand Shoal Channel Red Beacon, 1933  
Sand Shoal Channel, Black Beacon (Fl W)  
Running Channel, 1933  
Shack On Piles, Northeast Gable, 1934

All C&GS control in the area was searched for.

4. Vertical Control

The recovery of tidal Bench Marks was required for the Project.

Bench Marks recovered:

BM 1 (U.S.E.) (Oyster)  
BM Morgan 2 (Oyster)  
BM R-86 (Oyster)  
BM 2, 1934 (Cobb Island Coast Guard)

Bench Marks reported lost:

BM 1, 1943 (Cobb Island C.G.)  
BM 3, 1934 (Cobb Island C.G.)

## 5. Contours and Drainage

No contours were required.

Drainage is in the form of small streams and ditches. Drainage was delineated and swampy areas outlined. All drainage was examined under the stereoscope and little difficulty should be encountered in picking it out.

## 6. Woodland Cover

Tree areas and orchards were identified and labeled on the photos. Most of the woodland cover consists of slash pine and various hard woods, often intermixed.

## 7. Shoreline and Alongshore Features

Most of the area is salt marsh which is covered at high water. Fast ground is indicated by the presence of trees, sand dunes, or clumps of small bushes which show as a light gray grainy texture on the photos (see notes on photos). The MHWL has been delineated on the

photos.

The apparent MHWL is usually found at the edge of the marsh grass. The marsh grass shows as a darker gray even texture on the photos, as compared with the mud banks, which show lighter gray with a wrinkled texture. The apparent MHWL has been delineated where it is not self evident. The apparent MHWL along the west side of Mockhorn Island on sheet 11700 was extremely hard to delineate due to poor contrast on the photos. It was noted on the 9 lens photos by walking the shoreline.

The outer chain of islands is covered with sand dunes, which wash and drift back over the marsh. In some areas the sand has washed back and exposed the old marsh on the ocean side. The dunes are covered with sparse tough grass, and small bushes.

The outer islands are changing rapidly. A comparison with 1942 maps shows that Wreck Island has had about  $\frac{1}{2}$  mile of its southern end eroded away while the northern end has built up. Build up has also taken place on Smith Island; and Bungalow Inlet has shifted northeastward.

Signs marking shore ends of submarine cables have been identified and labeled.

All other features have been noted on the photos.

## 8. Offshore Features

The low water line has been delineated on the photos where possible. Much of the area is very flat, and the low water line does not show very well.

Many oyster shell piles are scattered throughout the shallow bays, and alongside the channels. They present a definite hazard to small boats attempting to cross them. The piles show as small white areas on the photos, and have been labeled.

No trace of the wreck charted at lat.  $37^{\circ}17.0'$  long.  $75^{\circ}47.5'$  could be found. This is right near the beach so it could have been washed away or buried. The hydro party should investigate this item.

## 9. Landmarks and Aids

Landmarks and aids for nautical and aeronautical charts were investigated and reported on Form 567. The black and white prints of the color photography were field edited and labeled. Fixed aids which did not show up on the photos were located by ground survey methods from photo points and triangulation stations.

## 10. Boundaries, Monuments, and Lines

There are no boundaries, monuments or lines to be mapped in the area.



# 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 were recovered:

SUN 1942

CUT 1942

The following were reported lost or destroyed:

BAT 1942

BIT 1942

BUN 1942

Cobb Island Coast Guard Sta Tidal BM 1 (1942)

FOX 1942

INK 1942

KIT 1942

LAP (1942)

LOT 1942

NAP 1942

POT 1942

PUN 1942

REC 1942

The following monumented topographic stations were established:

BM R 86 (1960)

COBB BM 2, 1934 (1960)

To meet the minimum spacing requirements of a recoverable station every 2 miles, stations should have been established at about lat.  $37^{\circ}15.8'$ , long.  $75^{\circ}47.9'$  (Wreck Island) and Lat.  $37^{\circ}15.8'$ , Long.  $75^{\circ}51.6'$  (New Marsh).

Due to lack of time a Topographic station was not established in these areas. It is not felt necessary to revisit the area to establish these

stations, since many stations (such as Cobb Island Coast Guard Station, Cape Charles Lighthouse) are clearly visible from up to 10 miles.

Photo points 001, 003 thru 009 were used to locate topographic stations and fixed aids.

## 12. Other Interior Features

Roads used only for access to fields have been labeled "FS", for Farm Service.

There were no bridges or cable clearances required in the area.

All other features were noted on the photos.

## 13. Geographic Names

Local inquiry disclosed no discrepancies of geographic names in the area.

## 14. Special Reports and Supplemental Data

Coast Pilot Report - The following changes should be made in "U.S.C.P. 3-Atlantic Coast- Sandy Hook to Cape Henry-Sixth(1953) Edition":

Page 214 - line 43 should read;

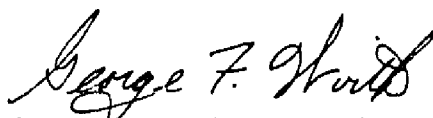
A newly dredged channel, with a controlling depth of 3 feet in April 1959, leads from Chesapeake Bay across the southeasterly tip of Cape Charles in to deep water in Magothy Bay. The entrance to this inlet from the Chesapeake Bay is now choked with sand. Surf breaks over the entrance in rough weather along a north-south line through Light "34". Magothy is a village on the west side.....

Page 215 - lines 4-5-6 should be deleted

A power cable over .....clearance of 19 feet.

*A Coast Pilot Report was also submitted under separate cover 7 June 1960. — G.F.W.*

Respectfully Submitted  
7 June 1960



George F. Wirth, Chief of Party

PHOTOGRAMMETRIC PLOT REPORT  
Project Ph-5907  
Surveys Nos. T-11697 thru T-11703

21. AREA COVERED

This radial plot covers the total area of surveys Nos. T-11700 through T-11703 and the central and southern portions of surveys Nos. T-11697 through T-11699. These are planimetric surveys along the Atlantic Coast from Cape Charles northward to Sand Shoal Inlet, and extending westward to just west of Magothy Bay.

22. METHOD-RADIAL PLOT

Map Manuscripts:

Vinylite sheets with polyconic projections in black and Virginia State Grid, South Zone in red were furnished by the Washington Office.

The positions of all horizontal control stations and substitute 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:

Thirty (30) nine-lens photographs taken in October 1959 at a scale of 1:10,000 were used in the plot, numbered as follows:

60402 through 60410

60545 through 60560

60586 through 60590

Templets:

Vinylite templets were made for each <sup>photograph</sup> ~~templet~~ using the master templet to correct for chamber displacement.

Closure and Adjustment to Control:

The manuscripts for the plot were joined together by matching common grid lines.

The plot was laid directly on the map manuscripts.

The templets for 60555 and 60556 were laid first since they contained the most control. The rest of the flight, 60554 through 60560, was then laid followed by the flight 60586 through 60590. The other two flights were then laid and with very few minor adjustments to the templets a satisfactory plot was constructed. While laying the templets for 60405, 60406, and 60407 it was noted that one control station, SHIP SHOAL ISLAND WHITE PYRAMID NO. 6 1959, which had not been identified by the field party could be office identified. This point was pricked and the station held in the

plot. CHERITON WEBSTER CANNING CO. STACK 1939 and CHERITON WEBSTER CANNING CO. TANK 1939 were also identified in this office and held in the plot. Only one identified control station, SAND SHOAL INLET MIKES SAND BEACON 1933, was not 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 templets and drilled through the templets and map manuscripts.

23. ADEQUACY OF CONTROL

The density and distribution of control was adequate. The field identification of control was good.

One identified control station could not be held in the plot.

SAND SHOAL INLET MIKES SAND BEACON 1933 - The radially plotted position falls approximately 7.8 mm SE of its grid position. This beacon has been identified on nine-lens photograph No. 60546 as SAND SHOAL INLET BLACK BEACON 1934. However, on single lens photograph 59-W-9804 the same image has been identified as an Aid to Navigation, SAND SHOAL INLET MIKES SAND LIGHT. There is no coordinate or geographic position available to this office for SAND SHOAL INLET BLACK BEACON 1934, and also there is no description for SAND SHOAL INLET MIKES SAND BEACON 1933. However, on page 20 of cahier 376 the description for SAND SHOAL INLET BLACK BEACON 1933 recovered 1934 states, "This beacon carried away in storm of August 1933 and since rebuilt. It was relocated by this party in 1934". Since no other beacon appears on the photographs, it is believed that MIKES SAND BEACON 1933 no longer exists and that the radially plotted position is the position of SAND SHOAL INLET BLACK BEACON 1934.

MAGOTHY CHANNEL DAYBEACON NO. 3 1934, had been plotted on the margin of survey T-11700. This station should be considered lost as the only Aid in this vicinity is Ship Shoal Channel to Fisherman's Inlet Light 20 as identified by the field party and also as shown on chart 1222.

The radially plotted positions of two (2) shacks that were identified as landmarks fell so close to the positions of 1959 control that the radially plotted position of the landmarks have not been shown. They are as follows:

SHACK (East Gable) Ht. 21 (23) - Approximately 0.1 mm east of

OLD HOUSE CREEK HOUSE NO. 1 1959.

SHACK (NW Gable) - too close to measure to RED DRUM DRAIN

SHACK NO. 3 1959

24. SUPPLEMENTAL DATA

None used.

25. PHOTOGRAPHY

Adequate.

Respectfully submitted  
27 February 1961

*H. R. Rudolph*  
H. R. Rudolph  
Carto. (Photo.)

SCALE FACTOR  
1.000

1 FT = .3048006 METER			
COMPUTED BY: F. A. S.	DATE: 1/11/61	CHECKED BY: J. C. Richter	DATE: 1/12/61
		COMM. DC-57043	

SCALE FACTOR 1.000

1 FT. = 3048006 METER	DATE	1/11/61	CHECKED BY: J. C. Richter	DATE	1/12/61
COMPUTED BY: F. A. S.					



COMPILATION REPORT  
Ph-5907  
T-11700

For the field inspection and photogrammetric plot reports covering the area, see the Descriptive Report for T-11703.

31. DELINEATION

Graphic method was used for delineation.

32. CONTROL

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

33. SUPPLEMENTAL DATA

U.S.G.S., Townsend, Va. quadrangle with final names.

34. CONTOURS AND DRAINAGE

Contours: Inapplicable.

Drainage is all perennial, due to the low marsh land of the area.

35. SHORELINE AND ALONGSHORE DETAIL

The shoreline inspection was adequate.

The low water line was from field inspection and office interpretation.

36. OFFSHORE DETAIL

Refer to item 8 of the field inspection report.

37. LANDMARKS AND AIDS

Forms 567 for nine Aids and two Landmarks were submitted on March 27, 1961.

38. CONTROL FOR FUTURE SURVEYS

T-11700 - Form 524 is submitted herewith for one previously established Recoverable Topographic Station.

~~T-11703 - None.~~

The recovered station is listed in paragraph No. 49.

39. JUNCTIONS

T-11697 to the north in agreement.  
T-11701 to the east in agreement.  
T-11247 (Ph-119) to the south in agreement.  
T-11246 (Ph-119) to the west not in agreement.

Where details could not be matched, the manuscript was delineated over the neat line to show the present condition.

40. HORIZONTAL AND VERTICAL ACCURACY

No comment.

41 thru 45. Inapplicable.

46. COMPARISON WITH EXISTING MAPS

Comparison has been made with U.S.G.S., Townsend, Va., quadrangle, scale 1:24,000, dated 1955.


47. COMPARISON WITH NAUTICAL CHARTS

Comparison has been made with nautical chart No. 1222, scale 1:80,000 16th edition. Revised 6/20/60.

Items to be applied to nautical charts immediately: None.

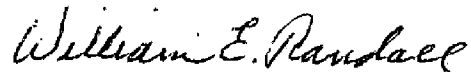
Items to be carried forward: None.

Respectfully submitted



John C. Richter  
Carto. (Photo.)

Approved and forwarded



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

Addendum to Compilation Report T-11700

Single lens photographs taken in April 1962 were used for minor revision of the shoreline of Magothy and Mockhorn Bays in the western half of the compilation. The eastern half was not covered by the 1962 photography.

Scribing and stick-up were done in the Tampa Office.

June 22, 1972

GEOGRAPHIC NAMES

FINAL NAME SHEET

PH-5907 (Virginia)

T-11700

Beach Marsh  
Cabin Cove  
Dunton Cove  
Evans Creek  
Fish Hog Gut  
Magothy Bay  
Magothy Channel  
Marion Scott Cove  
Mill Creek  
Mockhorn Bay  
Mockhorn Channel  
Mockhorn Island  
Old House Creek  
Reynolds Creek  
South Bay  
Stringers Ditch  
The Narrows  
The Thorofare  
Walls Landing Creek

Approved:

*A. J. Wraight*

A. Joseph Wraight  
Chief Geographer

Prepared by:

*Frank W. Pickett*

Frank W. Pickett  
Cartographic Technician

## PHOTOGRAMMETRIC OFFICE REVIEW

T- 11700

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

## CONTROL STATIONS

4a. Classification label VCR5. Horizontal control stations of third-order or higher accuracy VCR 6. Recoverable horizontal stations of less than third-order accuracy (topographic stations) VCR 7. Photo hydro stations — 8. Bench marks — 9. Plotting of sextant fixes — 10. Photogrammetric plot report VCR 11. Detail points VCR

## ALONGSHORE AREAS

(Nautical Chart Data)

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

## PHYSICAL FEATURES

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

## CULTURAL FEATURES

27. Roads — 28. Buildings VCR 29. Railroads — 30. Other cultural features —

## BOUNDARIES

31. Boundary lines — 32. Public land lines —

## MISCELLANEOUS

33. Geographic names VCR 34. Junctions VCR 35. Legibility of the manuscript VCR 36. Discrepancy overlay VCR 37. Descriptive Report VCR 38. Field inspection photographs VCR 39. Forms VCR 40. John C. Richter

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:



**TO BE CHARTED**

**STRIKE OUT TWO**

ॐ नमो भगवते वासुदेवाय

# NONVIOLENT/AIDS/OR LANDMARKS FOR CHARTS

Baltimore, Maryland

27 March 1961

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

The positions given have been checked after listing by F. J. Tarcza

William E. Randall

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. 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 27120

## REVIEW REPORT T-11700

## SHORELINE

December 13, 1973

61. GENERAL STATEMENT:

See Summary on page 6 of this Descriptive Report.

An ozalid comparison print, showing differences noted in Par. 62 and 63, is bound with the original of this report.

T-8181 was compared with the USGS Quadrangle of the area.

Very few differences between the two maps were found to exist.

62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS:

West of Long. 75° 55', a comparison was made with T-11246, 1:10,000 scale, dated 1955. East of this longitude, a comparison was made with T-8181, 1:20,000 scale, dated 1943. Significant differences between these maps and T-11700 were shown in blue on the comparison print.

T-11700 supersedes previous topographic surveys for nautical chart construction purposes.

63. COMPARISON WITH MAPS OF OTHER AGENCIES:

A comparison was made with USGS Quadrangle TOWNSEND, VA., 1:24,000 scale, dated 1955. West of Long. 75° 55', differences between the Quadrangle and T-11700 were shown in brown on the comparison print. East of this longitude, differences are shown in blue, except where the USGS Quadrangle differed from T-8181. In these excepted areas, the differences were shown in brown.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS:

No contemporary hydrographic surveys were available for comparison.

65. COMPARISON WITH NAUTICAL CHARTS:

A comparison was made with Chart 1222, 1:80,000 scale 36th edition, dated June 30, 1973. No significant shoreline changes were noted. Names and numbers of fixed aids to navigation have been changed. They are shown on T-11700 as they existed in April 1960.

66. ADEQUACY OF RESULTS AND FUTURES SURVEYS:

This map complies with project instructions and the requirements for the National Standards of Map Accuracy.



Reviewed by:

*Charles H. Bishop*

Charles H. Bishop  
Cartographer

Approved for Forwarding:

*Jeff Carlen*

Jeffrey G. Carlen, CDR, NOAA  
Chief, Coastal Mapping Division, AMC

Approved:

*Alfred C. Holmes*

Alfred C. Holmes, RADM, NOAA  
Director, Atlantic Marine Center

Approved:

*John H. ...*

Chief, Photogrammetric Branch

*James ...*

Chief, Coastal Mapping Division

## COMPARISON PRINT

Blue = T-11246  
Brown = USGS





## COMPARISON PRINT

Blue = T-8181 and USGS  
Brown = USGS where it differs  
from T-8181





53°30"

x=2,760,000 FT.

53'

75°52'30"

37°15'00"

NORTH MOCKHORN 2 1887

14'30"

y=340,000 FT.

14'

## COMPARISON PRINT

Blue = T-8181 and USGS

Brown = USGS where it differs  
from T-8181T-11700  
1:10,000

mud



75° 56'

55' 30"

32

DAY BEACON  
12 1960

CUT (1942) 1960

LIGHT 15  
1960

62-W-3997

37° 13' 30"

335,000 FT.

13' 30"

13'

13'

LIGHT 16  
1960

COMPARISON PRINT

Blue = T-11246  
Brown = USGS

Mill Creek  
mud

mud

mud

mud

mud

mud

mud

mud

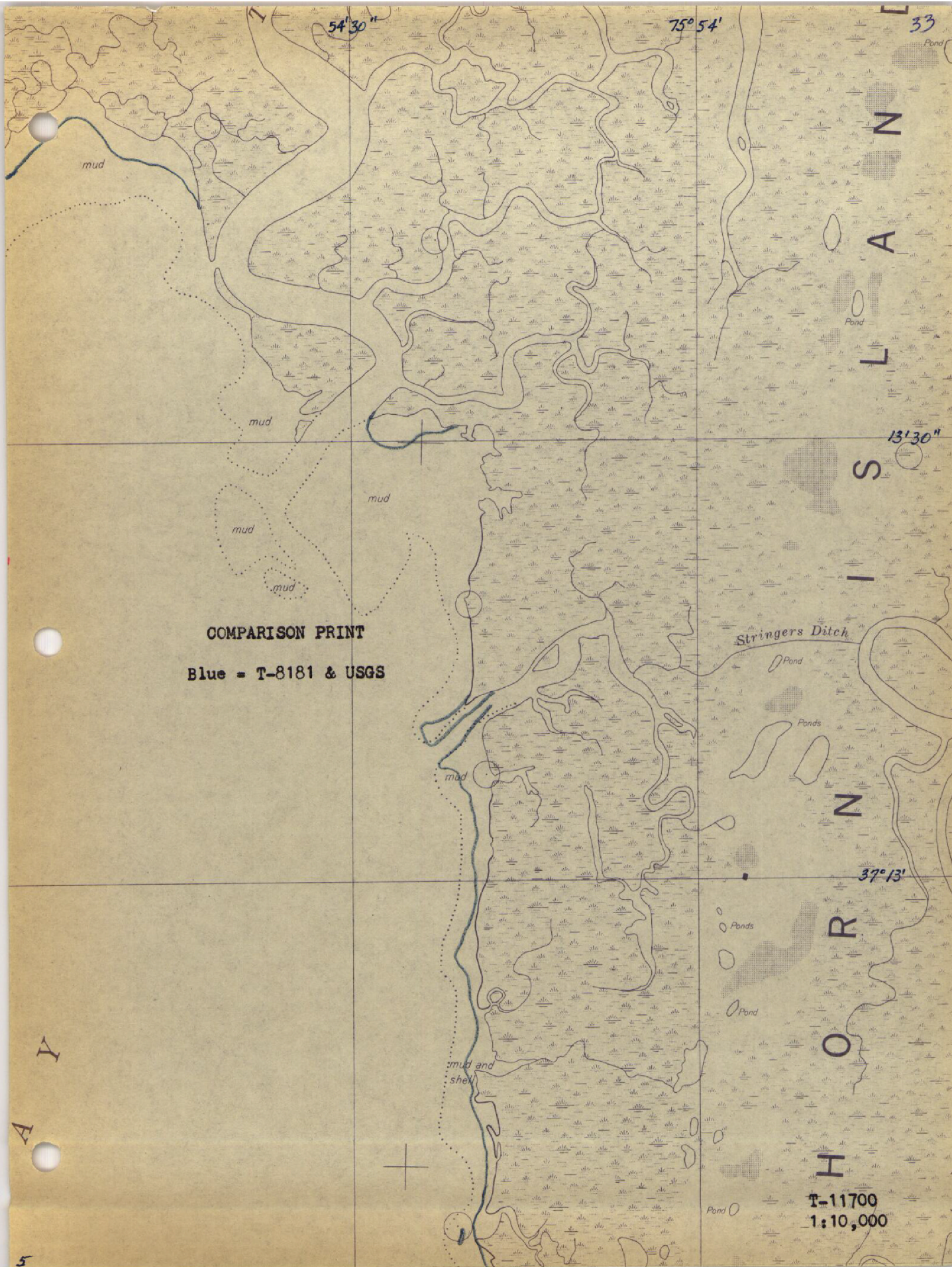
mud

T-11700  
1:10,000

B

330,000 FT.





COMPARISON PRINT

Blue - T-8181 & USGS

Stringers Ditch

T-11700  
1:10,000



62-W-3996

12'30"

mud

mud

mud

Old stakes

mud

12'

345,000 FT

Dunton  
Cove

M  
A  
G  
O  
T  
H  
Y

mud & sh

11'30"

Beach  
Marsh  
W. Landing Cr.

mud

62-W-3995

COMPARISON PRINT

Blue = T-11246  
Brown = USGS

37°11'15"

75°56'15"

56'

x=2,750,000 FT, 55'30"

INDEX TO ADJOINING SHEETS  
PROJECT 5907

T-11700  
1:10,000





1960

*"The photogrammetric location and delineation of features offshore from the mean high-water line on this survey may not be complete or final. The contemporary reviewed hydrographic survey of the area where available, should be consulted for the final delineation."*

① SAND SHOAL CHANNEL  
TO FISHERMAN INLET  
LIGHT 19 1960

MAGOTHY CHANNEL

Pier ruins —  TWIN TOWERS 1960  
(MOCKHORN (USE) 1939)  
Ht = 100 (101) — =

 TWIN TOWERS 1960  
Ht = 87 (88) —

COMPARISON PRINT

Blue = T-8181 and USGS  
Brown = USGS where it differs  
from T-8181

Cabin  
Cove

$$54'30'' \mid x = 2,755,000 \text{ FT.}$$
 $75^{\circ} 54'$ 

T-11700  
1:10,000

### LEGEND

Woodland

△ Recoverable horizontal control station  
 ○ Recoverable horizontal control station  
 ..... Approximate mean low water line  
 Open areas are cleared or cultivated



75° 53' mud

52' 30"

36

S  
O  
U

37° 13'

### COMPARISON PRINT

Blue = T-8181 and USGS  
Brown = USGS where it differs  
from T-8181

y = 330,000 FT.

12' 30"

12'

y = 325,000 FT.  
T-11700  
1:10,000

