

T-11694

T-11694

Form 504	
U. S. DEPARTMENT OF COMMERCE	
COAST AND GEODETIC SURVEY	
DESCRIPTIVE REPORT	
Type of Survey	SHORELINE
Field No.	Office No. T-11694
Class II B RL (refer to page 6)	
LOCALITY	
State	VIRGINIA
General locality	NORTHAMPTON COUNTY
Locality	SUNDAY DITCH TO CEDAR CREEK
1959-62	
CHIEF OF PARTY	
Elgan T. Jenkins, Chief of Field Party	
V. Ralph Sobieralski, Tampa District Office	
Alfred C. Holmes, Director, AMC	
LIBRARY & ARCHIVES	
DATE	1 JUL 1975

DESCRIPTIVE REPORT - DATA RECORD

T - 11694

PROJECT NO. (II):

PH-5907 (21021)

FIELD OFFICE (II):

ACCOMAC, VIRGINIA

CHIEF OF PARTY

Elgan T. Jenkins

PHOTOGRAMMETRIC OFFICE (III):

TAMPA DISTRICT OFFICE

OFFICER-IN-CHARGE

V. Ralph Sobieralski

INSTRUCTIONS DATED (II) (III):

Field: October 20, 1959
Field, Amendment 1: April 26, 1960
Office: December 28, 1960
Office, Amendment 1: August 10, 1961
Office, Amendment 2: September 29, 1961

METHOD OF COMPILATION (III):

Graphic

MANUSCRIPT SCALE (III):

1:10,000

STEREOSCOPIC PLOTTING INSTRUMENT SCALE (III):

Inapplicable

DATE RECEIVED IN WASHINGTON OFFICE (IV):

DATE REPORTED TO NAUTICAL CHART BRANCH (IV):

APPLIED TO CHART NO.

DATE:

DATE REGISTERED (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):

ECKICHY RM 1 1933

LAT.:

LONG.:

☐ ADJUSTED☒ UNADJUSTED

PLANE COORDINATES (IV):

STATE

ZONE

y = 376,988.9 Ft. ✓

x = 2,775,858.0 Ft. ✓

VIRGINIA

SOUTH

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.

FORM C&GS-181b
(12-61)U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT - DATA RECORD

FIELD INSPECTION BY (III): George Wirth and Elgan T. Jenkins		DATE: 1960 - 1961
MEAN HIGH WATER LOCATION (III) (STATE DATE AND METHOD OF LOCATION): Air Photo Compilation Date of Photographs: Oct. 13, 1959		
PROJECTION AND GRIDS RULED BY (IV): A. Riley		DATE Nov. 1961
PROJECTION AND GRIDS CHECKED BY (IV): E. T. Jenkins		DATE Nov. 1961
CONTROL PLOTTED BY (III): W. W. Dawsey		DATE Dec. 1961
CONTROL CHECKED BY (III): R. R. Wagner		DATE Dec. 1961
RADIAL PLOT OR STEREOSCOPIC CONTROL EXTENSION BY (III): R. R. Wagner		DATE Jan 1962
STEREOSCOPIC INSTRUMENT COMPILATION (III): Inapplicable	PLANIMETRY	DATE
	CONTOURS	DATE
MANUSCRIPT DELINEATED BY (III): R. Dossett Reviewed by: I. I. Saperstein		DATE Jan 1962 July 1962
SCRIBING BY (III): P. W. Leikhim Reviewed by: W. H. Shearouse		DATE May 1963 June 1963
PHOTOGRAMMETRIC OFFICE REVIEW BY (III): R. R. Wagner		DATE Sept 1963
REMARKS:		

FORM C&GS-181c
(12-61)

U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT - DATA RECORD

CAMERA (KIND OR SOURCE) (III):

C&GS Nine-lens

PHOTOGRAPHS (III)

NUMBER	DATE	TIME	SCALE	STAGE OF TIDE
60561	10-13-59	1134	1:10,000	0.0 ft above MLW
60562	"	1135	"	0.0 " "

Predicted TIDE (III)

	RATIO OF RANGES	MEAN RANGE	SPRING RANGE
REFERENCE STATION: SANDY HOOK		4.1	5.6
SUBORDINATE STATION: SAND SHOAL INLET (C.G.STA.)	HW -0.5 LW 0.0	4.1	4.9
SUBORDINATE STATION:			

Atlantic Marine Center
~~NAVAL SURVEILLANCE CENTER~~ REVIEW BY (IV):

C. H. Bishop

DATE: Nov. 1973

PROOF EDIT BY (IV):

DATE:

NUMBER OF TRIANGULATION STATIONS SEARCHED FOR (II):

1

RECOVERED:

1

IDENTIFIED:

1

NUMBER OF BM(S) SEARCHED FOR (II):

0

RECOVERED:

IDENTIFIED

NUMBER OF RECOVERABLE PHOTO STATIONS ESTABLISHED (III):

3*

NUMBER OF TEMPORARY PHOTO HYDRO STATIONS ESTABLISHED (III):

0

REMARKS:

*1 monumented station; 2 natural objects, not described

T-11694

COMPILATION RECORD

COMPLETION DATE

REMARKS

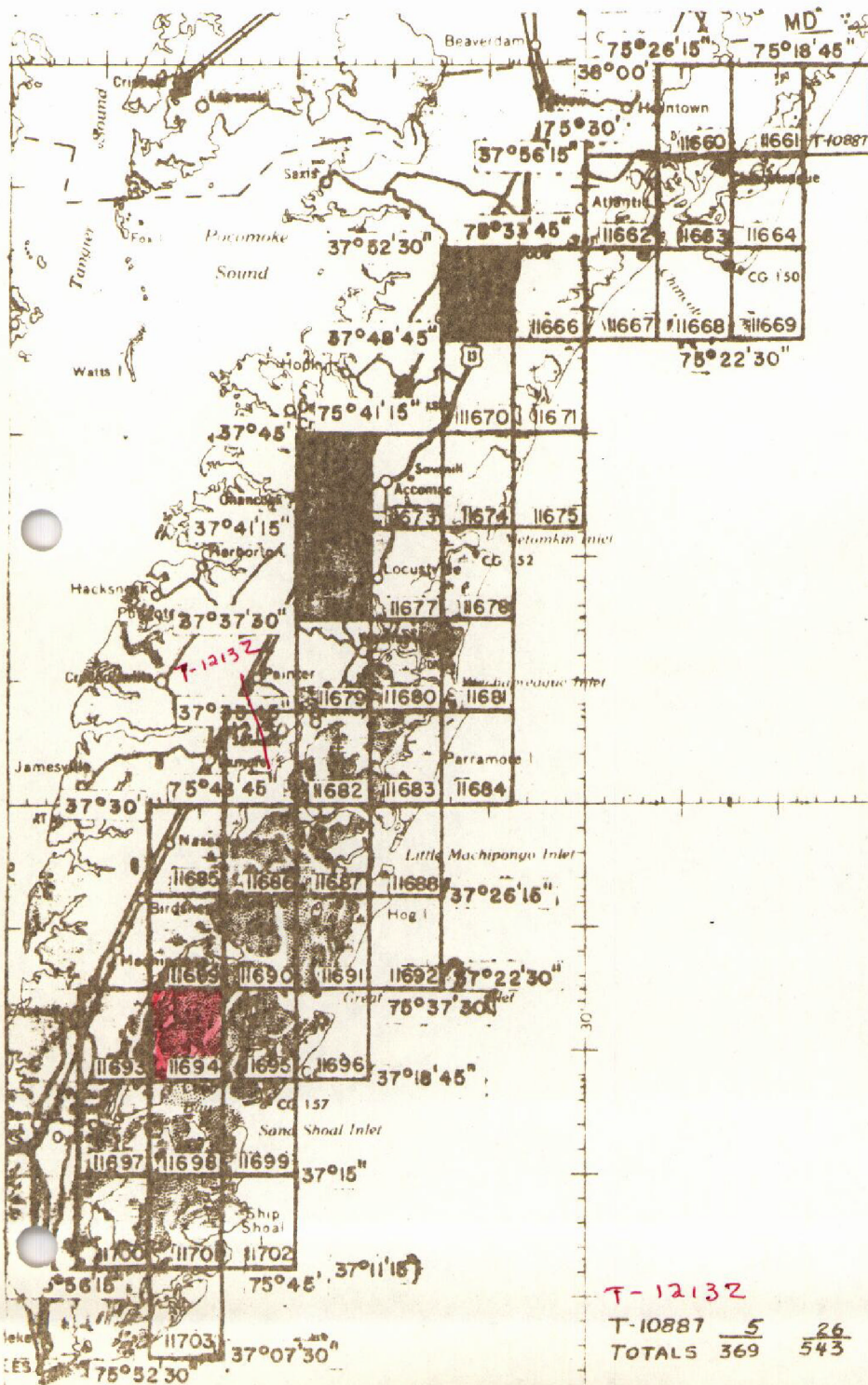
Manuscript complete pending field edit	Feb. 1962	Superseded
Revised from April 1962 photos	July 1962	Superseded
Final Review	Nov. 1973	

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	6	10
11661	6	15
11662	13	19
11663	7	23
11664	8	16
11665	17	0
11666	16	8
11667	7	8
11668	1	1
11669	1	4
11670	16	1
11671	8	15
11672	17	0
11673	16	5
11674	8	16
11675	1	4
11676	16	0
11677	13	10
11678	8	16
11679	16	8
11680	11	32
11681	4	10
11682	8	15
11683	11	15
11684	2	3
11685	16	4
11686	4	15
11687	6	20
11688	6	15
11689	13	11
11690	4	11
11691	4	16
11692	2	3
11693	11	11
11694	6	16
11695	4	19
11696	4	9
11697	11	20
11698	6	16
11699	4	13
11700	8	16
11701	8	14
11702	4	11
11703	6	23
TOTALS 369		543

T-12132

T-10887 5

26

11-9-61

SUMMARY TO ACCOMPANY
DESCRIPTIVE REPORT T-11694

This 1:10,000 scale shoreline manuscript is one of 43 maps that comprise Project PH-5907, Cape Charles to Assateague, VA. The project diagram on page 5 indicates the location of this map in the project.

Field inspection prior to compilation was done in February, 1960.

Compilation was from 9-lens photographs taken in October, 1959. Control was based on a radial plot using the 9-lens photographs. The compilation of shoreline around Gull Marsh was later revised, using ratio prints of single lens photographs taken in April, 1962, after the March, 1962 hurricane. The Photogrammetric Plot Report was not available at the time of final review.

No field edit of this map was done.

Final review was done at the Atlantic Marine Center in November, 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 have been forwarded for record and registry.

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FIELD INSPECTION REPORT
Maps 11689 through 11695
PROJECT PH-5907, VIRGINIA

2. Areal Field Inspection

The mainland was inspected by riding out all roads and labelling all details, where believed necessary, that are to be mapped. All Current Instructions were followed during inspection and no phases of the work were purposely omitted for the compilers or a field editor to resolve. Not every patch of trees has been labeled nor every foot of shoreline delineated, but it is believed that sufficient work has been done to serve as a criterion for the compilers.

The quality of the photography was good and it is believed that sufficient photographic tones have been labelled to clarify any questions.

3. Horizontal Control

Hog Island Lighthouse, 1911, 1932 and Hog Island Lighthouse Old Tower 1911 have been destroyed by the erosion along the outer shore of Hog Island. One of these stations was desired to be identified for control. No new station was established in the area as there is an abandoned Coast Guard Tower that is about 1/4 miles southwest of the Old Station site. Enough theodolite cuts were taken on this tower to furnish a position of sufficient accuracy to control the radial plot.

Station GOULD, 1910 is lost and station "Shack at Rowes Hole, North East Gable, 1934" has been destroyed.

4. Vertical Control

No bench marks of third-order or higher were searched for or recovered. One tidal bench mark was recovered and identified near the southwest end of Hog Island.

5. Contours and Drainage

Contours are inapplicable

The drainage has been delineated, where deemed necessary, on the photographs.

6. Woodland Cover

Most all areas of woodland cover were inspected and it is believed that a sufficient number of areas have been labelled to serve as a criterion for the compiler.

7. Shoreline and Alongshore Features

Practically all of the shoreline is apparent and in some areas the horizontal position of this line is controlled by the seasonal growth of sea oats. This tall grass will form the apparent shoreline for about 8 months of the year and its outer edges have been delineated as such.

The MHWL along the ocean was measured from several photo-identifiable objects and these measurements were scaled on the field photographs to identify some line or tone or the relative position of the MHWL to some line or tone on the photographs.

The foreshore in some areas amounts to large mud flats that are very soft and will not afford footing for any type of travel at low tide.

A submerged telephone cable leads from Hog Island to Cobb Island. Its point of entry into the water on Hog Island has been identified and its approximate position in the water has been delineated.

All docks and piers have been delineated or labelled on the field photographs.

8. Offshore Features

Offshore features are few and have been delineated on the photographs. The mean low water line was delineated in some areas and is quite apparent in other areas.

There is an area of shifting sand at the south end of Rogue Island, the size and shape of which is controlled by the current of Great Machipongo Inlet and the wind.

9. Landmarks and Aids

All landmarks and fixed aids to navigation are shown on Form 567. Nearly all of the lights and daybeacons in Gull Marsh Channel, Eckichy Channel and the channel joining the two had to be located by field survey methods. Most of the aids were located by sextant fix but some were located by theodolite fix.

3

9. Landmarks and Aids continued

The objects used to control these fixes are all identified on a copy of chart 1222 and this chart is enclosed with the folder containing other data for map 11694.

10. Boundaries, Monuments and Lines

The only political limits to be mapped are the corporate limits of Eastville, Virginia. A tracing is being submitted with explanatory notes thereon. This tracing had to be made within the Northampton Court House from the only available record of the corporate limits. There is an abandoned Coast Guard Station on the south end of Hog Island but no boundary limits were obtained for it.

11. Other Control

The following topographic stations were established and described on Form 524: DONE, 1961; CELL, 1961; COME, 1961; HUNT, 1961; WARP, 1961; GANG, 1961.

The following topographic station is reported lost on Form 524: WAR, 1942.

The following topographic stations were recovered and identified: GOU, 1942 and FIT, 1942.

12. Other Interior Features

All roads and buildings were classified according to current instructions.

There are no bridge or cables, over navigable waters, that need to be measured.

13. Geographic Names

No systematic investigation of geographic names was conducted and no errors were found.

14. Special Reports and Supplemental Data

One copy of Nautical Chart 1222 is being submitted. This is to aid in the location of aids to navigation.

One tracing showing the approximate location of the corporate limits of Eastville, Virginia is also being submitted.

Submitted October 10, 1961

Elgan T. Jenkins

Elgan T. Jenkins
Surveying Technician

COMPILATION REPORT T-11694

PHOTOGRAMMETRIC PLOT REPORT

Submitted with T-11688

31. DELINEATION

The graphic method was used.

The photographs were tilted and the scale generally was poor. The April 1962 photographs (storm damage) covered a very small part of this sheet. The only revised shoreline is around GULL MARSH.

Field inspection was adequate.

32. CONTROL

See photogrammetric plot report.

33. SUPPLEMENTAL DATA

None used.

34. CONTOURS AND DRAINAGE

Contours are inapplicable.

Drainage has been delineated as shown on the photographs.

35. SHORELINE AND ALONGSHORE DETAILS

The entire shoreline of this map manuscript is apparent. The approximate low-water line has been delineated from office interpretation. No alongshore structures were apparent on the photographs nor were any noted by the field inspection.

36. OFFSHORE DETAILS

None noted.

37. LANDMARKS AND AIDS

Forms 567 were submitted to Washington office under date of January 29, 1962 and August 23, 1962.

38. CONTROL FOR FUTURE SURVEYS

Three topographic stations were established; two natural objects and one marked station for which a form 524 is submitted. These stations have been listed under Item 49.

39. JUNCTIONS

A satisfactory junction has been made with T-11693 on the west, T-11695 on the east, T-11698 on the south and T-11689 on the north.

40. HORIZONTAL AND VERTICAL ACCURACY

No statement.

46. COMPARISON WITH EXISTING MAPS

A comparison has been made with USGS Quadrangle COBB ISLAND, scale 1:24,000, compiled from aerial photographs and planetable surveys of 1942. Some shoreline change was noted on the western shore of ELKINS MARSH where the marsh has expanded westwardly.

47. COMPARISON WITH NAUTICAL CHARTS

A comparison has been made with chart No. 1222, scale 1:80,000, edition of July 1961. Comparison was favorable except for discrepancy noted in item 46.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None.

ITEMS TO BE CARRIED FORWARD

None.

APPROVED AND FORWARDED 17 JAN 1964

V. Ralph Sobieralski
V. Ralph Sobieralski
Tampa District Officer

for *M. M. Slattery*
Rudolph Dossett
Carto Photo Aid

August 10, 1972

GEOGRAPHIC NAMES

FINAL NAMES SHEET

PH-5907 (Virginia)

T-11694

Cedar Creek

Gull Marsh

Cobb Bay

Outlet Bay

Cockle Point Creek

Ramshorn Bay

Crow Bay

S Creek

Eckichy Channel

Shallow Bay

Eckichy Marsh

Spidercrab Bay

Elkins Marsh

Sunday Ditch

Approved:

A. Joseph Wraight
A. Joseph Wraight
Chief Geographer

Prepared by:

Frank W. Pickett
Frank W. Pickett
Cartographic Technician

T-11694

49. NOTES FOR THE HYDROGRAPHER

The following topographic station may be of use to the hydrographer:

*FIT (1942) 1960

HOUSE 1960 (North Corner)

SE GABLE 1960

*Described on Form 524.

FORM 182 (3-61)		50		PHOTOGRAMMETRIC OFFICE REVIEW T-11694		U.S. DEPARTMENT OF COMMERCE COAST AND GEODETIC SURVEY	
1. PROJECTION AND GRIDS WHS		2. TITLE WHS			3. MANUSCRIPT NUMBERS WHS		4. MANUSCRIPT SIZE WHS
CONTROL STATIONS		5. HORIZONTAL CONTROL STATIONS OF THIRD-ORDER OR HIGHER ACCURACY WHS			6. RECOVERABLE HORIZONTAL STATIONS OF LESS THAN THIRD-ORDER ACCURACY (TOPOGRAPHIC STATIONS) WHS		
		7. PHOTO HYDRO STATIONS XX		8. BENCH MARKS XX		9. PLOTTING OF SEXTANT FIXES WHS	
		10. PHOTOGRAMMETRIC PLOT REPORT MMS					
		11. DETAIL POINTS WHS					
ALONGSHORE AREAS (Nautical Chart Data)		12. SHORELINE WHS		13. LOW-WATER LINE WHS		14. ROCKS, SHOALS, ETC. WHS	
		15. BRIDGES XX					
		16. AIDS TO NAVIGATION WHS		17. LANDMARKS WHS		18. OTHER ALONGSHORE PHYSICAL FEATURES WHS	
		19. OTHER ALONGSHORE CULTURAL FEATURES WHS					
PHYSICAL FEATURES		20. WATER FEATURES WHS			21. NATURAL GROUND COVER WHS		
		22. PLANETABLE CONTOURS XX			23. STEREOSCOPIC INSTRUMENT CONTOURS XX		
		24. CONTOURS IN GENERAL XX			25. SPOT ELEVATIONS XX		
		26. OTHER PHYSICAL FEATURES WHS					
CULTURAL FEATURES		27. ROADS XX		28. BUILDINGS WHS		29. RAILROADS XX	
		30. OTHER CULTURAL FEATURES WHS					
BOUNDARIES		31. BOUNDARY LINES XX			32. PUBLIC LAND LINES XX		
MISCELLANEOUS		33. GEOGRAPHIC NAMES WHS			34. JUNCTIONS WHS		
		35. LEGIBILITY OF THE MANUSCRIPT WHS		36. DISCREPANCY OVERLAY XX		37. DESCRIPTIVE REPORT WHS	
		38. FIELD INSPECTION PHOTOGRAPHS WHS			39. FORMS WHS		
		SIGNATURE OF REVIEWER <i>William H. Shearouse</i> William H. Shearouse			SIGNATURE OF SUPERVISOR <i>Milton M. Slaney</i> Milton M. Slaney		
40. FIELD COMPLETION ADDITIONS AND CORRECTIONS TO THE MANUSCRIPT - Additions and corrections furnished by the field completion survey have been applied to the manuscript. The manuscript is now complete except as noted in remarks on reverse side.							
SIGNATURE OF COMPILER				SIGNATURE OF SUPERVISOR			

USE REVERSE SIDE FOR REMARKS

USC OMM-DC 25383-P61

U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

Nautical Chart Branch

NON-FLOATING AID TO NAVIGATION LANDMARKS FOR CHARTS

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

Tampa District Office

January 29, 1962

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

The positions given have been checked after listing by

R. Dossett

J. P. Sobieralski

V. E. Sobieralski Chief of Party

STATE	CHARTING NAME	VIRGINIA	DESCRIPTION	SIGNAL NAME	POSITION										METHOD OF LOCATION AND SURVEY NO.	DATE OF LOCATION	HARBOR CHART	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTED
					LATITUDE		LONGITUDE						DATUM							
					°	'	"	D.M. METERS	°	'	"	D.P. METERS								
			ELKINS MARSH																	
	HOUSE		North corner small house on piles		37	22		16.84 519		75	51	18.98 167	N A 1927		Photo Plot Aug. 25 T-11694 1961		x		1222	
	S E GABLE		Shack		37	21		01.72 53		75	51	55.01 1354	"		"		x		"	
	CHIMNEY		ht= 12 (12)		37	18		04.31 133		75	52	23.02 567	"		T-11698 May 1960		x		"	
	*		Note: Charted as STACK on Chart 1222																	
			** Date of field inspection																	

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

USCGM 27126

Nautical Chart Branch

NON-FLOATING AIDS OR LANDMARKS FOR CHARTS

TO BE CHARTED
TO BE FORGIVEN
STRIKE OUT TWO

Tampa District Office February 5, 1962

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

The positions given have been checked after listing by

R. Dossett

V. R. Sobieralski

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

Consist CG 4-16-88

* These positions do not agree with charted positions.
The aids were not moved in 1971 per instruction 180.

DC 27126

Nautical Chart Branch

NONFLOATING AIDS EXCHANGE TRADING ON CHARTS

TO BE CHARTED
TO BE REVISED
TO BE DELETED

STRIKE OUT TWO

February 5, 1962

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

The positions given have been checked after listing by

R. Dossett

V. B. Sobler	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. 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

USCOMMDC 27120

BE REVISED

TO BE REVISED
NO BE REVISED

STRIKE OUT TWO

NONFLOATING AIDS OR LANDMARKS FOR CHARTS

Tampa District Office, Tampa, Fla. August 23 1962

I recommend that the following objects which have ~~(W444/444)~~ been inspected from seaward to determine their value as landmarks be charted on ~~(444/444)~~ the charts indicated.

The positions given have been checked after listing by

Rudolph Dossett
Rudolph Dossett

V. Ralph Gobiernalski
V. Ralph Gobiernalski Chief of Party

CHARTING NAME	STATE	VIRGINIA	DESCRIPTION	SIGNAL NAME	POSITION				METHOD OF LOCATION AND SURVEY NO.	DATE OF LOCATION	HARBOR CHART	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTED
					LATITUDE*		LONGITUDE*							
					° ' "	D.M. METERS	° ' "	D.P. METERS						
VIRGINIA INSIDE PASSAGE														
LIGHT 2	"	"	"	"	37 44	04.96	75 34	03.55	Photo Plot T-11674	6/28/62*	X			1221
OLD POSITION						153		87						
LIGHT 2	"	"	"	"	37 44	05.38	75 34	03.35	"	4/28/62*	X			"
						166		82						
GREAT MACHIFONGO CHANNEL														
TO SAND SHOAL CHANNEL														
DAYEN 13	"	"	"	"	37 21	27.41	75 48	52.21	Photo Plot T-11694	4/28/62*	X			1221
OLD POSITION						845		1285						
LIGHT 14	"	"	"	"	37 21	27.70	75 48	51.77	"	8/25/61	X			"
OLD POSITION						854		1274	"					"
DAYEN 15	"	"	"	"	37 21	28.03	75 48	53.23	"	4/28/62*	X			"
OLD POSITION						864		1310	"					"
DAYEN 15	"	"	"	"	37 21	28.32	75 48	52.74	"	8/25/61	X			"
OLD POSITION						873		1298	"					"
DAYEN 15	"	"	"	"	37 21	02.01	75 49	16.21	"	4/28/62*	X			"
OLD POSITION						62		399	"					"
DAYEN 15	"	"	"	"	37 21	02.24	75 49	15.85	"	8/25/61	X			"
OLD POSITION						69		390	"					"
DAYEN 15	"	"	"	"	37 21	02.69	75 49	17.15	"	4/28/62*	X			"
OLD POSITION						83		422	"					"
DAYEN 15	"	"	"	"	37 21	02.85	75 49	16.94	"	8/25/61	X			"
OLD POSITION						88		417	"					"

This form shall be prepared in accordance with Hydrographic Manual, Publication 20.2, Sec. 1-55, 2-39, 6-36, 7-18 to 22 inclusive, and Fig. 79. Positions of charted landmarks and nonfloating aids to navigation, if redetermined, shall be reported on this form. Revisions shall show both the old and new positions. The data should be 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

Chart 1222v applied to 62 J.H.E

REVIEW REPORT T-11694

SHORELINE

November 29, 1973

61. GENERAL STATEMENT

See Summary on page 6 of this Descriptive Report.

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

Map sources used in Par. 62 and Par. 63 were compared with each other. No differences were found to exist between the two maps.

T-11694 supersedes previous topographic surveys for nautical chart construction purposes.

62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS

A comparison was made with Survey T-8178, 1:20,000 scale, dated 1942. Elkins Marsh is more extensive on T-11694 than on T-8178; it extends several hundred meters further to the west. Gull Marsh, a much smaller area, has worn off around the edges and covers less area on T-11694 than on the previous survey.

63. COMPARISON WITH MAPS OF OTHER AGENCIES

A comparison was made with USGS Quadrangle COBB ISLAND, VA, 1:24,000 scale, dated 1942. Differences noted were the same as noted on T-8178 and were shown on the comparison print with the same blue line.

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 differences were noted. Fixed aids to navigation are shown on T-11694 as they existed on the date of field inspection. Numbers and names of the aids have been changed.

66. ADEQUACY OF RESULTS AND FUTURE SURVEYS

The Photogrammetric Plot Report, which usually states the accuracy of control used for compilation, was not available for final review and no accuracy statement was made in the Compilation Report. However, there is no reason to believe that accuracy is substandard.

Reviewed by:

Charles H. Bishop

Charles H. Bishop
Cartographer

Approved for forwarding:

J. G. 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:

A. H. Agnew

Chief, Photogrammetric Branch

James L. ...

Chief, Coastal Mapping Division

x=2,765,000 FT. 52

51'30"

73°51' x=2,770.0

mud flats covered with
very shallow water

Sunday Ditch

HOUSE 1960
(N Carter house on piles)
H = 20 (20)

oys.

shell

37°22'

S H O R N B A Y

COMPARISON PRINT

Blue = T-8178 & USGS

FIT (1942) 1960

T-11694

1:10,000

mud flats covered with
very shallow water

OF GABLE (1960) (Shallow)
at = 21 (21)

37°21'

S H A L L O W B

shallow

20'30"

Crow
Bay

COMPARISON PRINT

Blue = T-8178 & USGS

mud

mud

mud

51'30"

75°52'

T-11694
1:10,000

mud

56°30"

75°50'

37°21'

shallow

A Y

S P I D E R C R A

20°30"

ECKICHY RM 1

60561

M A R S H

COMPARISON PRINT

Blue = T-8178 & USGS

T-11694

1:10,000

NOTE

LIGHT 16 1962 DAYBEACON 15 1962

75°49'

23

37°21'

DAYBEACON 17 1962

y=380,000 FT.

B A Y

LIGHT 18 1962

20'30"

1933

DAYBEACON 19 1962

20'

y=375,000 FT.

COMPARISON PRINT

Blue = T-8178 & USGS

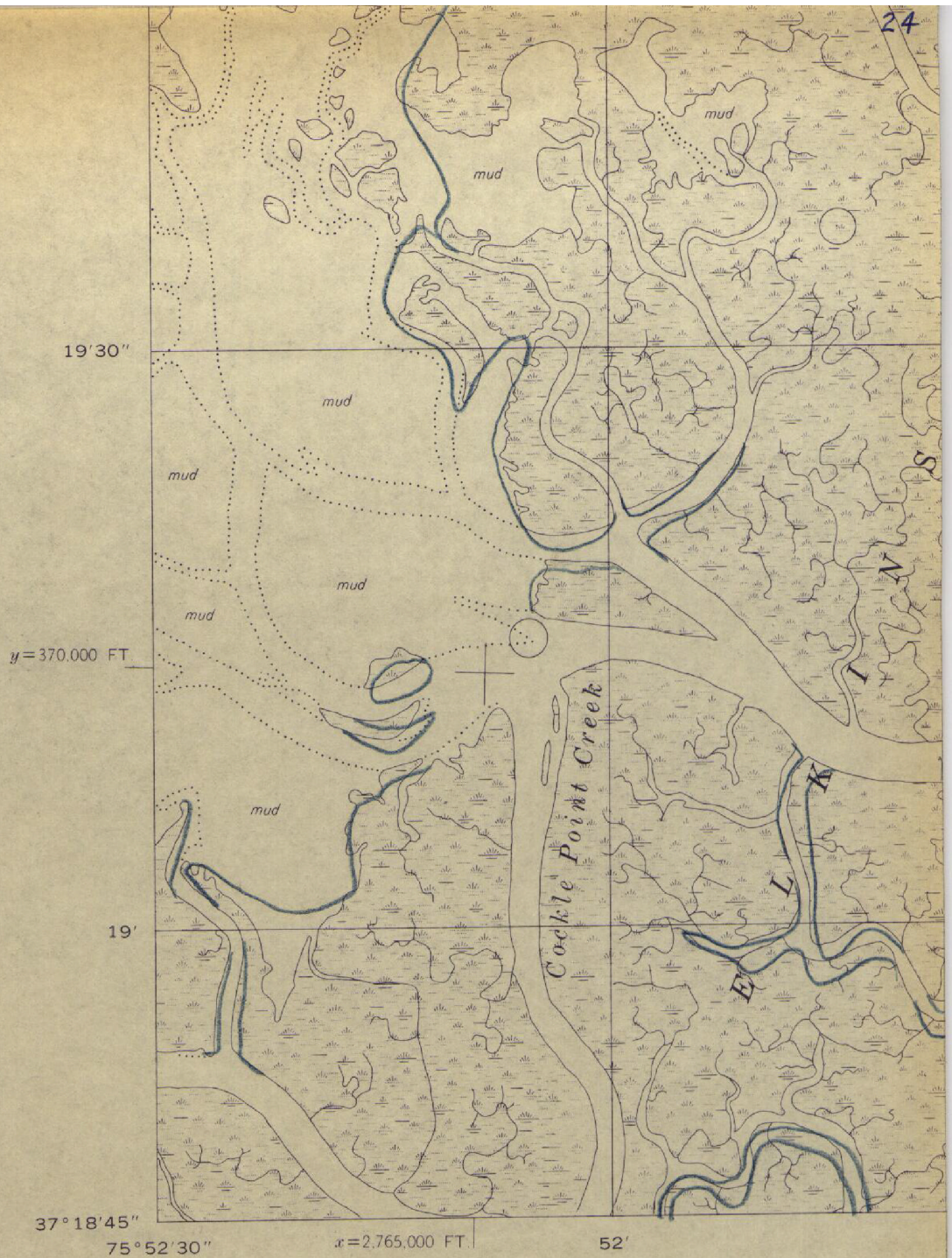
T-11694

1:10,000

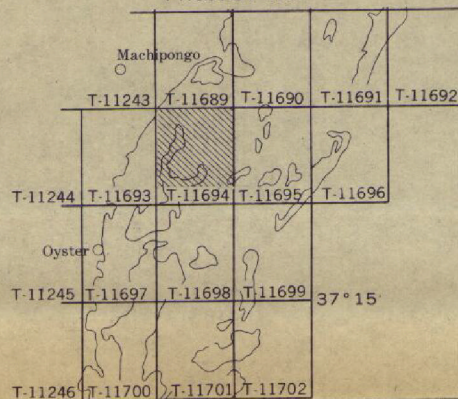
and delineation of features
water on this survey
el. The contemporary
of the area where available,
the final delineation."

4

shell



INDEX TO ADJOINING SHEETS
PROJECT-5907

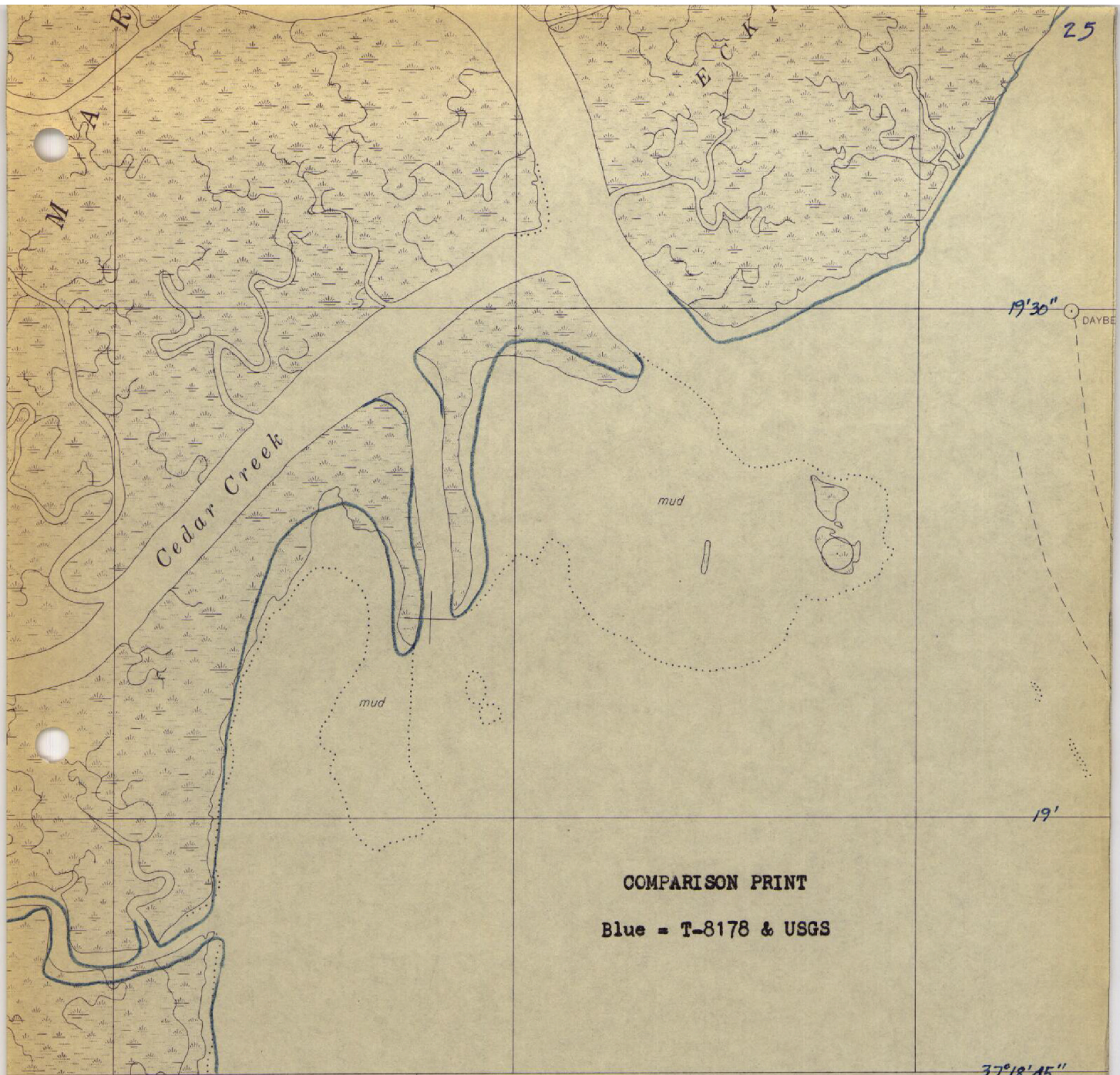


COMPARISON PRINT

Blue = T-8178 & USGS

T-11694

1:10,000



COMPARISON PRINT

Blue = T-8178 & USGS

51°30'

$x=2,770,000$ FT.

75°51'

50°30'

37°18'45"

Class II Map

This map is based on aerotriangulation that meets the requirements for National Standards of Map Accuracy and a pre-compilation field inspection of the mapping photography. It is subject to correction by field edit and final review. Landmarks and aids to navigation were investigated during field inspection.

- △ Recoverable horizontal control station of third-order or better
- Recoverable horizontal control station of less than third-order
- Approximate mean low water line
- Open areas are cleared or cultivated.
- The light shoreline defines the outer limits of vegetation
- approximate mean high water.
- The heavy shoreline defines the approximate mean high water
- Compiled by photogrammetric methods, from aerial photography
- Date of Photography Oct. 1959
- Date of Field Inspection Feb. 1960
- Date of Field Edit None
- Date of Final Compilation Feb. 1962
- Date of Final Review Nov. 1973

T-11694
1:10,000