ORIGINAL

T-11693

Form 504

U. S. DEPARTMENT OF COMMERCE

COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT

Type of Survey SHORELINE

Field No. Office No. T-11693

CLASS II & III (refer to page 6)

LOCALITY

State VIRGINIA

General locality NORTHAMPTON COUNTY

Locality HOLT NECK TO

THOMAS CREEK

1959-62

CHIEF OF PARTY

Elgan T. Jenkins, Field Party

V. Ralph Sobieralski, Tampa District Office

Alfred C. Holmes, Director, AMC

LIBRARY & ARCHIVES

DATE JUL 1975

USCOMM-DC 5087

T-11693

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

U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT - DATA RECORD

T - 11693

PROJECT NO. (II):

Ph-5907 (21021)

FIELD OFFICE (II):	CHIEF OF PARTY
Accomac, Virginia	Elgan T. Jenkins
PHOTOGRAMMETRIC OFFICE (III):	OFFICER-IN-CHARGE
Tampa, Florida	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):	STEREOSCOPIC PLOTTING INSTRUMENT SCALE (III):
1:10,000	Inapplicable
DATE RECEIVED IN WASHINGTON OFFICE (IV):	DATE REPORTED TO NAUTICAL CHART BRANCH (IV):
OCT 9 1963	

APPLIED TO CHART NO.	DATE:	DATE REGISTERED (IV):

GEOGRAPHIC DATUM (III):	VERTICAL DATUM (III): MHW
N. A. 1927	~~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):

SCOTT 2, 1910

LAT.:	LONG.:	
37°20'41.629" (1283.3m.)	75°53'51.565" (1269.2m.)	☒ ADJUSTED ☐ UNADJUSTED

PLANE COORDINATES (IV):	STATE	ZONE
Y = 378,717.15 Ft. X = 2,756,403.86 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.

USCOMM-DC 16276A-P61

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

U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT - DATA RECORD

FIELD INSPECTION BY (III): G. F. Wirth, E. T. Jenkins	DATE: Feb. 1960, Oct. 1961
MEAN HIGH WATER LOCATION (III) (STATE DATE AND METHOD OF LOCATION): Air photo compilation. Date of photographs: October 1959 and April 1962	
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: W. H. Shearouse	DATE: Jan. 1962, Jan. 1962
SCRIBING BY (III): R. Dossett; " Reviewed by: W. H. Shearouse	DATE: July 1962, July 1962
PHOTOGRAMMETRIC OFFICE REVIEW BY (III): W. H. Shearouse	DATE: Apr. 1963
REMARKS:	

USCOMM-DC 16276-P61

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 and single-lens W

PHOTOGRAPHS (III)

NUMBER	DATE	TIME	SCALE	STAGE OF TIDE
60584	10-13-59	1148	1:10,000	0.1 ft above MLW
60585	"	1149	"	0.1 " "
59-W-9302	10-4-59	Not available	"	-
59-W-9303	"	"	"	-
59-W-9304	"	"	"	-
62-W-4003	4-28-62	1311	"	3.3 " "
62-W-4004	"	1312	"	3.3 " "

Predicted TIDE (III)

		RATIO OF RANGES	MEAN RANGE	SPRING RANGE
REFERENCE STATION:	Sandy Hook		4.6	5.6
SUBORDINATE STATION:	Sand Shoal Inlet (C.G. Station)	H.W. -0.5 L.W. 0.0	4.1	4.9
SUBORDINATE STATION:				

Atlantic Marine Center
~~Washington Office~~ REVIEW BY (IV): C. H. Bishop — DATE: Nov. 1973

PROOF EDIT BY (IV): — DATE:

		RECOVERED:	IDENTIFIED:
NUMBER OF TRIANGULATION STATIONS SEARCHED FOR (II):	3	3	3
NUMBER OF BM(S) SEARCHED FOR (II):	0	RECOVERED:	IDENTIFIED

NUMBER OF RECOVERABLE PHOTO STATIONS ESTABLISHED (III): None

NUMBER OF TEMPORARY PHOTO HYDRO STATIONS ESTABLISHED (III): None

REMARKS:

T-11693

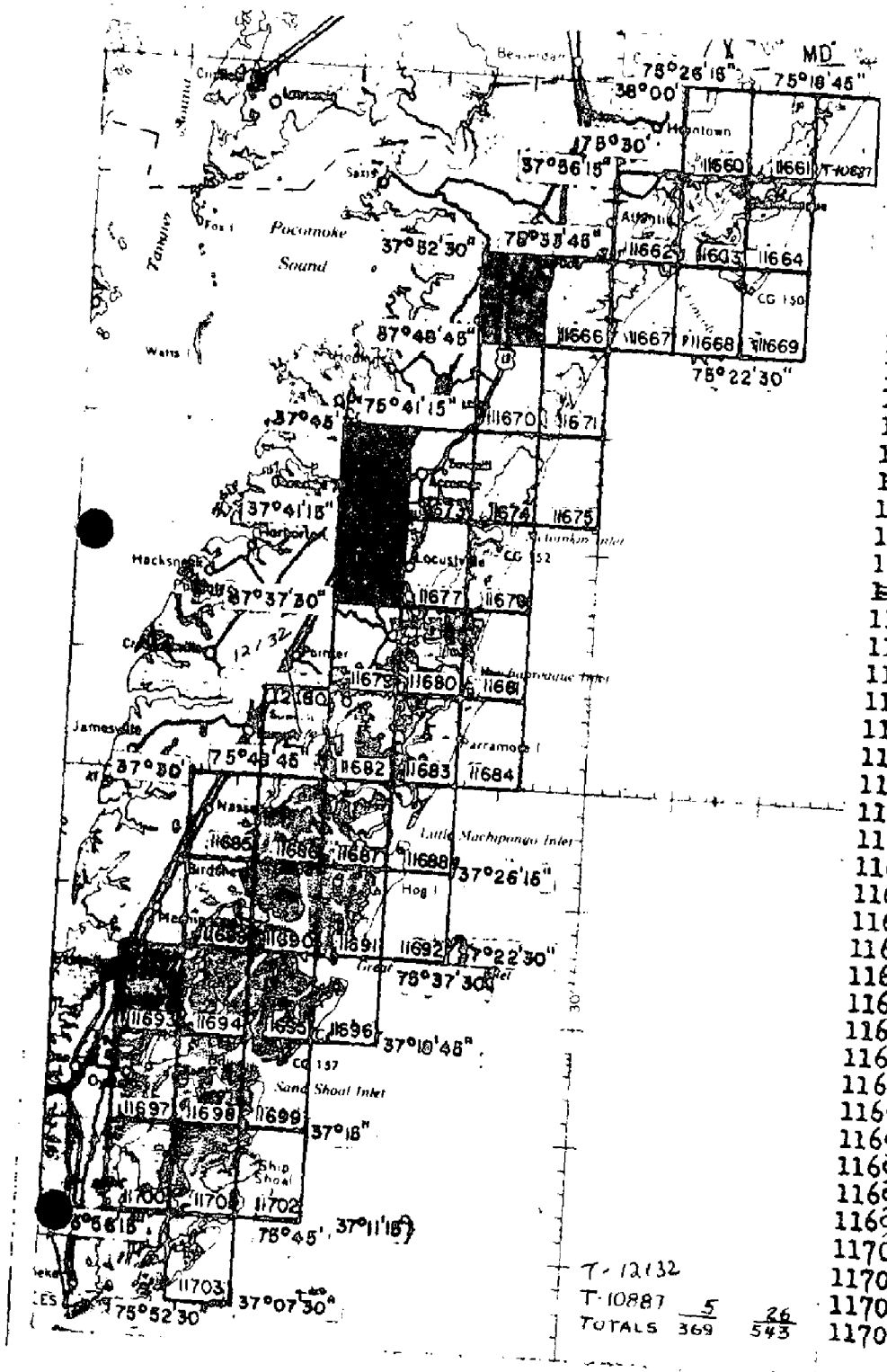
COMPILATION RECORD	COMPLETION DATE	REMARKS
Compiled	Jan. 1962	Superseded
Compilation revised from April 28, 1962 photos	July 1962	Superseded
Final review	Nov. 1973	

PH-5907

5

CAPE CHARLES TO ASSATEAGUE, VA

Planimetric Mapping Scale 1:10,000



OFFICIAL MILAGE 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~~	~~36~~	~~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

11-9-61

SUMMARY TO ACCOMPANY

DESCRIPTIVE REPORT T-11693

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 and October 1961.

Compilation was from 9-lens photographs taken in October, 1959. Control was based on a radial plot using the 9-lens photographs. Compilation was later revised from 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.

* The registered map copy is labeled CLASS II. The extent of the revision with 1962 photography is unknown. SB

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.

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 explanitory 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

FORM 164
(4-23-54)

U.S. DEPARTMENT OF COMMERCE — COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT — CONTROL RECORD

MAP T- 11693 PROJECT NO. 5907 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)
	P.C	NA	378,717.15 ✓				Plotted WWD DEC. 19, 1961
SCOTT 2 1910	49	1927	2,756,403.86 ✓				" RRW
	P.C.	"	381,468.49 ✓	1/West of Sheet			Plotted WWD DEC 19, 1961
EASTVILLE 1932	14		2,741,810.59 ✓				
EASTVILLE MUN.	P.C.	"	381,863.42 ✓				Plotted WWD DEC 19, 1961
WATER TK 1942	117.		2,742,791.83 ✓				" RRW.

1 FT. = .3048006 METER

COMPUTED BY: RRW DATE Dec 4 1961 CHECKED BY: VPC DATE 12/6/61

COMM-DC-57843

COMPILATION REPORT T-11693

PHOTOGRAMMETRIC PLOT REPORT

Submitted with T-11688.

31. DELINEATION

The graphic method was used. The nine-lens photographs were tilted considerably, which necessitated more detail points than ordinarily would have been required. The inshore limits of delineation were established by the Tampa Office. Field inspection was adequate.

Single-lens photographs taken in April 1962 were used to up-date the shoreline and other changes since the 1959 photographs.

32. CONTROL

See photogrammetric plot report.

33. SUPPLEMENTAL DATA

None used.

34. CONTOURS AND DRAINAGE

Contours are inapplicable.

Drainage has been delineated as shown photographically and according to field inspection notes.

35. SHORELINE AND ALONGSHORE DETAILS

The entire shoreline of this map manuscript is apparent, being marsh. Low-water line and shoreline structures were delineated in accordance with field inspection notes. The inspection was adequate.

36. OFFSHORE DETAILS

None delineated. Except for THOROFARE (channel) Ramshorn Bay is largely mud flats which are dotted with small shell areas.

37. LANDMARKS AND AIDS

None.

38. CONTROL FOR FUTURE SURVEYS

None.

39. JUNCTIONS

A satisfactory junction has been made with T-11694 on the east and T-11697 on the south. There is no contemporary survey on the north. Delineation does not extend to the western limits.

40. HORIZONTAL AND VERTICAL ACCURACY

No comment.

46. COMPARISON WITH EXISTING MAPS

A comparison has been made with USGS quadrangle CHERITON, VIRGINIA, scale 1:24,000, compiled from aerial photographs taken in 1942; hydrography taken from USC&GS chart No. 122 (1954). One discrepancy worthy of note is that ELKINS MARSH has "grown" to the west of latitude 37°20' and now extends more than 200 meters across the neat line into this map. It does not appear on the quadrangle.

47. COMPARISON WITH NAUTICAL CHARTS

A comparison has been made with chart No. 1222, scale 1:80,000, 9th edition of March 1962. Comparison was favorable except for the marsh extension as described under item 46.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None.

ITEMS TO BE CARRIED FORWARD

None.

Rudolph Dossett by R. Dossett
Rudolph Dossett
Carto Photo Aid

APPROVED AND FORWARDED - 4 OCT 1963

V. Ralph Sobieralski
V. Ralph Sobieralski
Tampa District Officer

June 22, 1972

GEOGRAPHIC NAMES

FINAL NAME SHEET

PH-5907 (Virginia)

T-11693

Crow Bay

Elkins Marsh

Holt Neck

Indiantown Creek

Indiantown Neck

Ramshorn Bay

Ramshorn Channel

Taylor Creek

The Thorofare

Thomas Creek

Approved:
A. J. Wraight
A. Joseph Wraight
Chief Geographer

Prepared by:
Frank W. Pickett
Frank W. Pickett
Cartographic Technician

49. NOTES FOR THE HYDROGRAPHER

None.

FORM 182 (3-61) 50

PHOTOGRAMMETRIC OFFICE REVIEW
T- 11693

U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

1. PROJECTION AND GRIDS	2. TITLE	3. MANUSCRIPT NUMBERS	4. MANUSCRIPT SIZE
WHS	WHS 4a. Classification label: Unclassified	WHS	WHS

CONTROL STATIONS

5. HORIZONTAL CONTROL STATIONS OF THIRD-ORDER OR HIGHER ACCURACY	6. RECOVERABLE HORIZONTAL STATIONS OF LESS THAN THIRD-ORDER ACCURACY (TOPOGRAPHIC STATIONS)		
WHS	XX		
7. PHOTO HYDRO STATIONS	**8. BENCH MARKS**	**9. PLOTTING OF SEXTANT FIXES**	**10. PHOTOGRAMMETRIC PLOT REPORT**
XX	XX	XX	MMS
11. DETAIL POINTS			
WHS			

ALONGSHORE AREAS (Nautical Chart Data)

12. SHORELINE	13. LOW-WATER LINE	14. ROCKS, SHOALS, ETC.	15. BRIDGES
WHS	WHS	XX	XX
16. AIDS TO NAVIGATION	**17. LANDMARKS**	**18. OTHER ALONGSHORE PHYSICAL FEATURES**	
XX	XX	WHS	
19. OTHER ALONGSHORE CULTURAL FEATURES			
WHS			

PHYSICAL FEATURES

20. WATER FEATURES	21. NATURAL GROUND COVER
WHS	WHS
22. PLANETABLE CONTOURS	**23. STEREOSCOPIC INSTRUMENT CONTOURS**
XX	XX
24. CONTOURS IN GENERAL	**25. SPOT ELEVATIONS**
XX	XX
26. OTHER PHYSICAL FEATURES	
WHS	

CULTURAL FEATURES

27. ROADS	28. BUILDINGS	29. RAILROADS
WHS	XX	XX
30. OTHER CULTURAL FEATURES		
WHS		

BOUNDARIES

31. BOUNDARY LINES	32. PUBLIC LAND LINES
XX	XX

MISCEL-LANEOUS

33. GEOGRAPHIC NAMES	34. JUNCTIONS	
WHS	WHS	
35. LEGIBILITY OF THE MANUSCRIPT	**36. DISCREPANCY OVERLAY**	**37. DESCRIPTIVE REPORT**
WHS	XX	WHS
38. FIELD INSPECTION PHOTOGRAPHS	**39. FORMS**	
WHS	WHS	
SIGNATURE OF REVIEWER William H. Shearouse William H. Shearouse	SIGNATURE OF SUPERVISOR, REVIEW SECTION OR UNIT Milton M. Slawney Milton M. Slawney by WHS	

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

USCOMM-DC 25353-P61

REVIEW REPORT T-11693

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 and 63, is bound with the original of this report.

62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS

A comparison was made with Survey T-8177 (CHERITON, VA), 1:20,000 scale, dated 1943. Significant differences were shown in blue on the comparison print.

T-11693 supersedes previous topographic surveys for nautical chart construction purposes.

63. COMPARISON WITH MAPS OF OTHER AGENCIES

A comparison was made with USGS Quadrangle CHERITON, VA, 1:24,000 scale, dated 1955. Significant differences were shown in brown on the comparison print.

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 differences were noted.

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 of this map is substandard.

Reviewed by:

Charles H. Bishop

Charles H. Bishop
Cartographer

Approved for forwarding:

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

Approved:

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

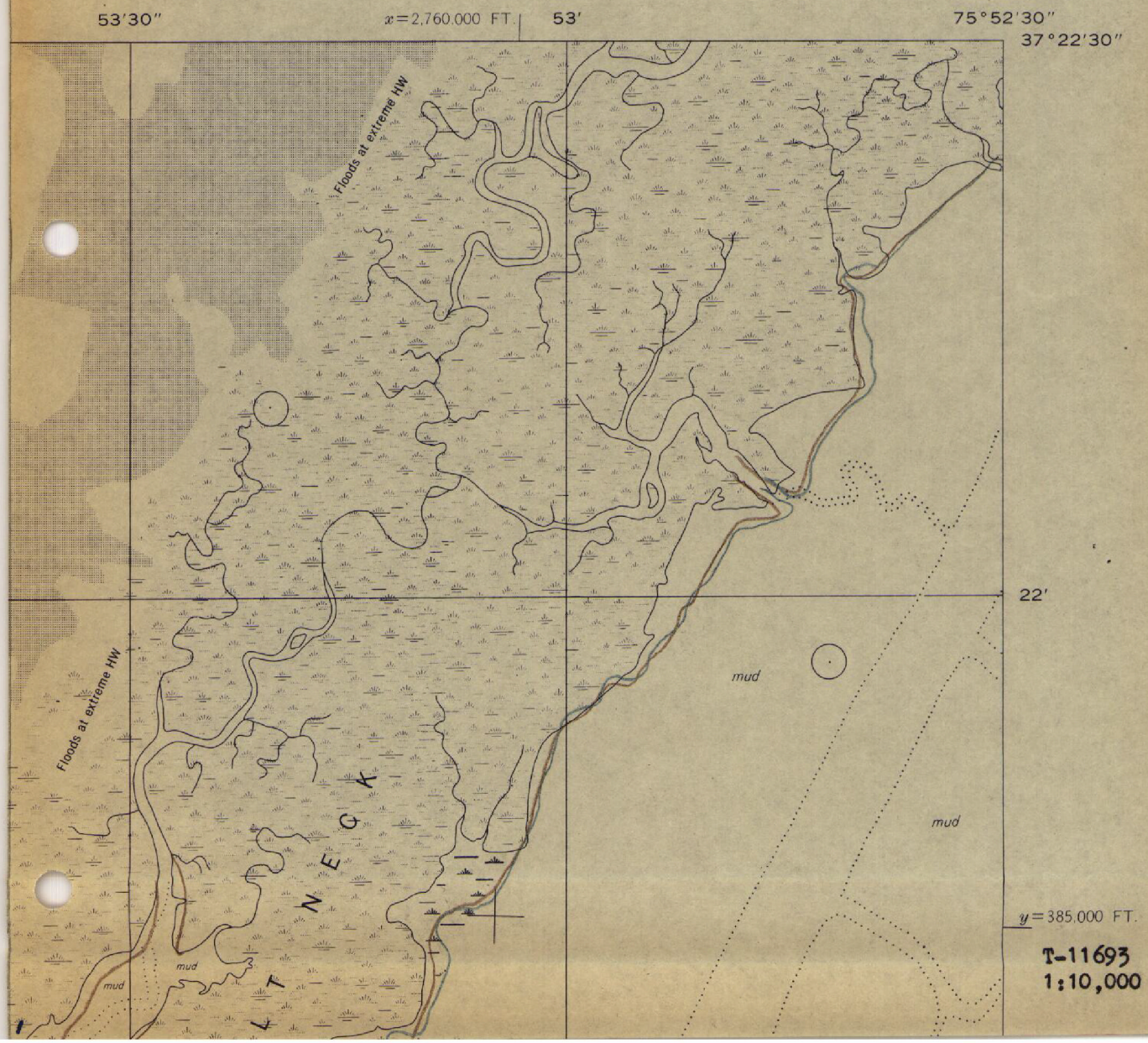
Approved:

Chief, Photogrammetric Branch

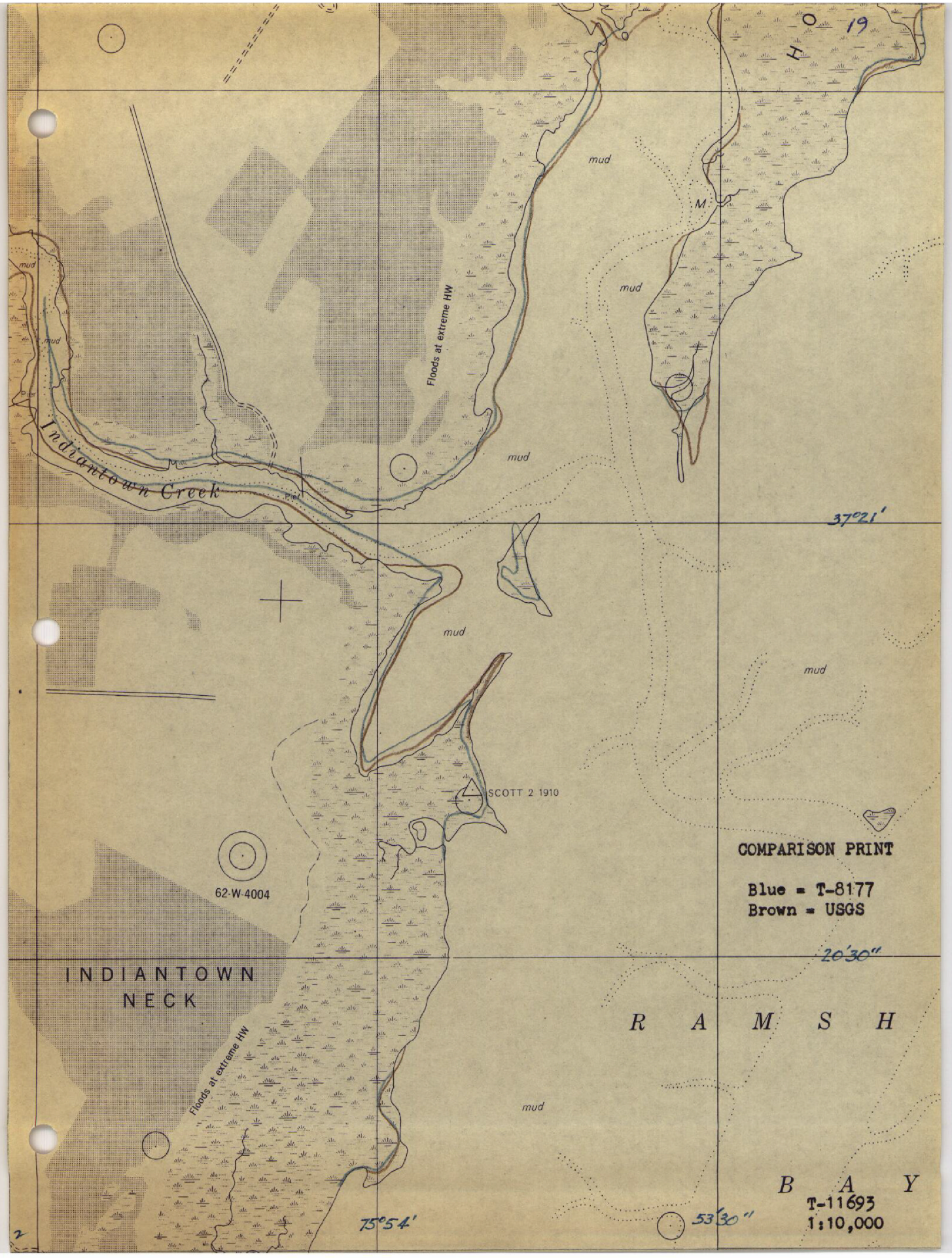
Chief, Coastal Mapping Division

COMPARISON PRINT

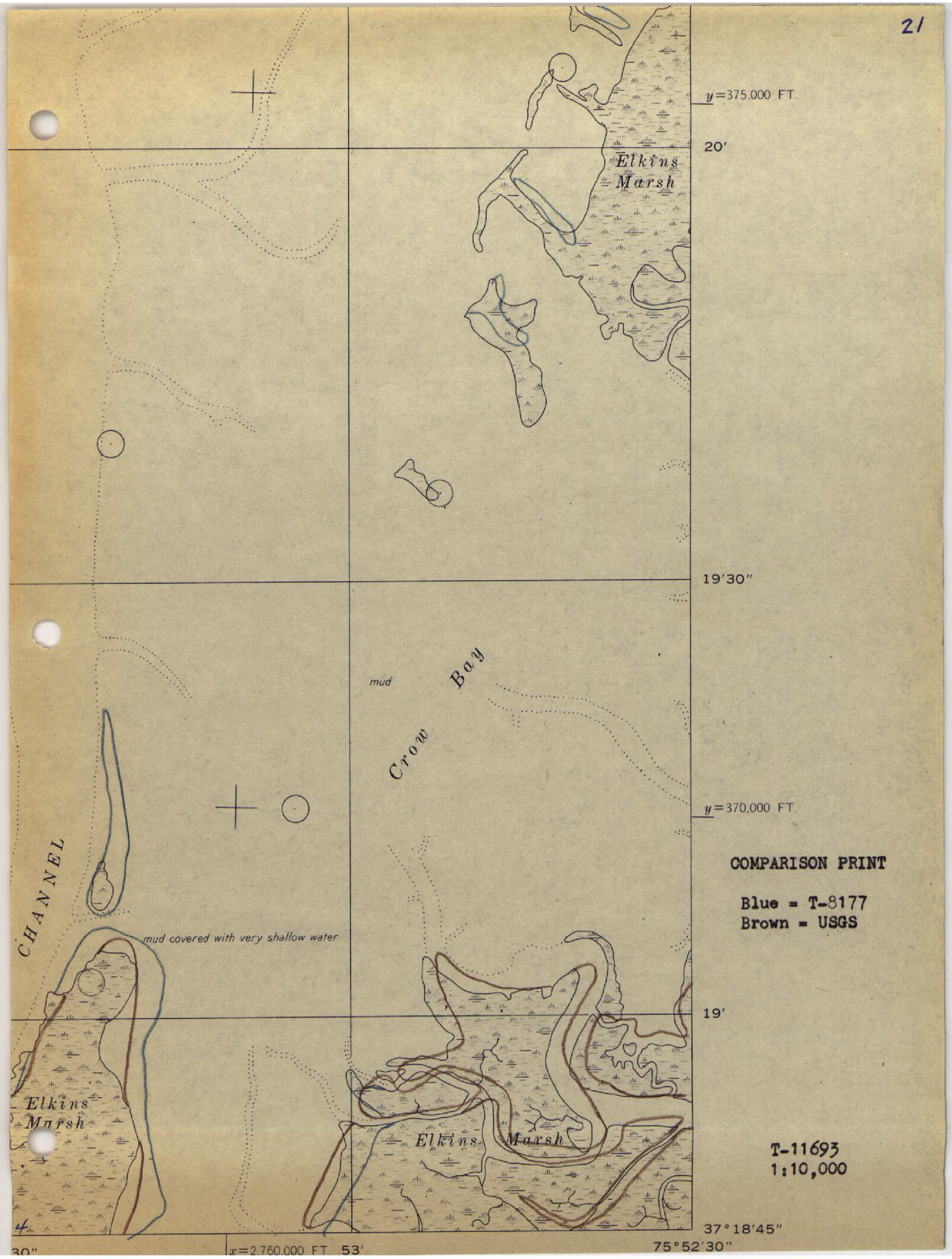
Blue = T-8177
Brown = USGS



T-11693
1:10,000


H O 19
mud
M
mud
mud
Floods at extreme HW
Indiantown Creek
Pier
37°21'
mud
mud
SCOTT 2 1910
62-W-4004
COMPARISON PRINT
Blue = T-8177
Brown = USGS
20'30"
INDIANTOWN
NECK
R A M S H
Floods at extreme HW
mud
B A Y
T-11693
1:10,000
75°54'
53'30"


20
37°20'
COMPARISON PRINT
Blue = T-8177
Brown = USGS
NOTE:
"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."
62-W-4003
60585
19'30"
Floods at extreme HW
mud covered with very shallow water
mud
mud
mud
mud
mud
mud
mud
mud
RAMSHORN
54'30"
x=2,755,000 FT.
54'
T-11693 1:10,000
53'
3



COMPARISON PRINT

Blue = T-8177
Brown = USGS

T-11693
1:10,000