

T-11679

T-11679

Form 504	
U. S. DEPARTMENT OF COMMERCE	
COAST AND GEODETIC SURVEY	
DESCRIPTIVE REPORT	
Type of Survey	SHORELINE
Field No.	Office No. T-11679
CLASS II MAP (Refer to page 6)	
LOCALITY	
State	VIRGINIA
General locality	ACCOMACK COUNTY
Locality	WACHAPREAGUE
1959-61	
CHIEF OF PARTY	
Joseph K. Wilson, Chief of Field Party	
V. Ralph Sobieralski, Tampa District Officer	
Alfred C. Holmes, Director, AMO	
LIBRARY & ARCHIVES	
DATE	JUL 1975

DESCRIPTIVE REPORT - DATA RECORD

T - 11679

PROJECT NO. (II): PH-5907		
FIELD OFFICE (II): Accomac, Virginia		CHIEF OF PARTY J. K. Wilson
PHOTOGRAMMETRIC OFFICE (III): Tampa, Florida		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 LOW WATER EXCEPT AS FOLLOWS: <i>Elevations shown as (25) refer to mean high water</i> <i>Elevations shown as (5) refer to sounding datum</i> <i>i.e., mean low water or mean lower low water</i>
REFERENCE STATION (III): LONG (VFC) 1933		
LAT.: 37°36'08.048" (248.1 m.)	LONG.: 75°40'31.700 (777.6 m.)	<input checked="" type="checkbox"/> ADJUSTED <input type="checkbox"/> UNADJUSTED
PLANE COORDINATES (IV): Y = 474,228.73 X = 2,818,163.17		STATE Virginia
		ZONE 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 (II): M. A. Stewart		DATE: Sept. 1961
MEAN HIGH WATER LOCATION (III) (STATE DATE AND METHOD OF LOCATION): Air Photo Compilation Date of photography: October 1959		
PROJECTION AND GRIDS RULED BY (IV): A. Riley		DATE Jan. 1962
PROJECTION AND GRIDS CHECKED BY (IV): A. Riley		DATE Mar. 1962
CONTROL PLOTTED BY (III): V. P. Cackowski		DATE Mar. 1962
CONTROL CHECKED BY (III): R. R. Wagner		DATE Mar. 1962
RADIAL PLOT OR STEREOSCOPIC CONTROL EXTENSION BY (II) : (III) R. R. Wagner		DATE Mar. 1962
STEREOSCOPIC INSTRUMENT COMPILATION (III): Inapplicable	PLANIMETRY	DATE
	CONTOURS	DATE
MANUSCRIPT DELINEATED BY (III): Paul W. Leikhim Reviewed by: R. R. Wagner		DATE Jan. 1963 Feb. 1963
SCRIBING BY (III): P. W. Leikhim Reviewed by: R. R. Wagner		DATE Mar. 1963 Mar. 1963
PHOTOGRAMMETRIC OFFICE REVIEW BY (III): W. H. Shearouse		DATE May 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
60570	10-13-59	1139	1:10,000	0.0
60571	"	1140	"	"
60573	"	1142	"	"
60574	"	1143	"	"
60575	"	1143	"	"

PREDICTED

TIDE (III)

	RATIO OF RANGES	MEAN RANGE	SPRING RANGE
REFERENCE STATION: SANDY HOOK	-	4.6	5.6
SUBORDINATE STATION: WACHAPREAGUE INLET (INSIDE)	HW -0.7 LW 0.0	3.9	4.7
SUBORDINATE STATION:			

Atlantic Marine Center
WASHINGTON, D.C. REVIEW BY (IV):

C. H. Bishop

DATE: Oct. 1973

PROOF EDIT BY (IV):

DATE:

NUMBER OF TRIANGULATION STATIONS SEARCHED FOR (II):

2

RECOVERED:

1

IDENTIFIED:

1

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

0

RECOVERED:

0

IDENTIFIED

0

NUMBER OF RECOVERABLE PHOTO STATIONS ESTABLISHED (III):

None

NUMBER OF TEMPORARY PHOTO HYDRO STATIONS ESTABLISHED (III):

None

REMARKS:

COMPILATION RECORD

COMPLETION DATE

REMARKS

Alongshore area for hydro	June 1962	Superseded
Interior details added Manuscript complete	Feb. 1963	Superseded
Final review	Oct. 1973	

PH-5907

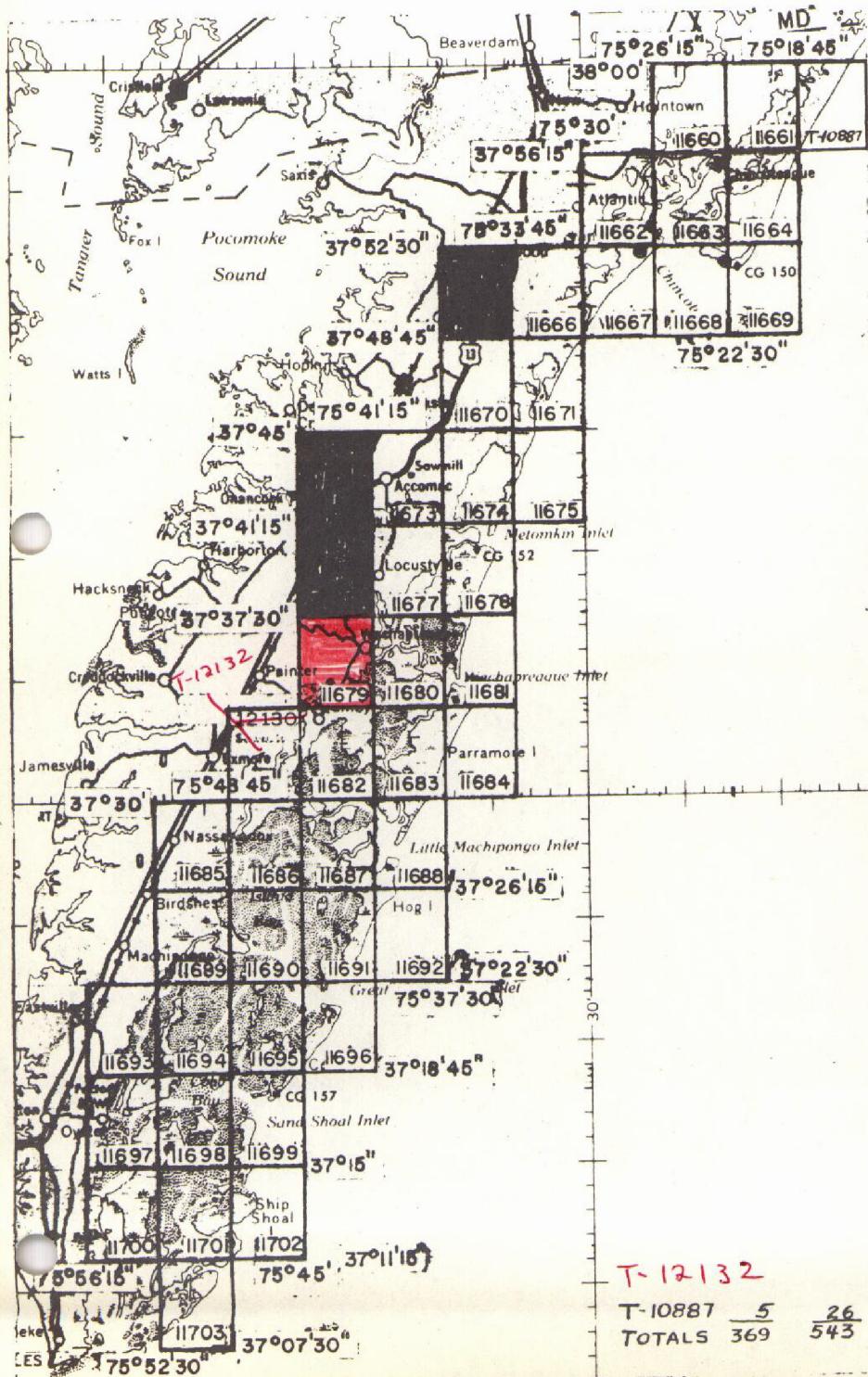
5

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	9
11666	16	8
11667	7	8
11668	1	1
11669	1	4
11670	16	1
11671	8	15
11672	17	9
11673	16	5
11674	8	16
11675	1	4
11676	16	9
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



11-9-61

SUMMARY TO ACCOMPANY
DESCRIPTIVE REPORT T-11679

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 on page 5 indicates the location of this map in the project.

Field inspection prior to compilation was done in September 1961 on 9-lens photographs taken in October 1959.

Compilation was done graphically, using 9-lens photographs. Control for compilation was established by a radial plot using the 9-lens photography of October 1959. The Photogrammetric Plot Report was not available at the time of final review and is not bound with this Descriptive Report. *

There is no record of field edit for this map.

Final review was done at the Atlantic Marine Center in October 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.

* This a class II MAP_{Des}

FIELD INSPECTION REPORT
MAPS 11679, 11680 and 11681
PROJECT PH-5907

2. Areal Field Inspection.

These maps are located along the eastern shore of Virginia, beginning just eastward of the town of Keller and continuing east to the Atlantic Ocean at Wachapreague Inlet. The mainland area is accessible by U.S. Highway 13 and various secondary roads connecting thereto. The Pennsylvania Railroad parallels U.S. 13 just west of map 11679. Wachapreague is the only settlement in the area. It is a small farming community and has no industry other than farming and small boats operating from there. Truck farming and the canning of vegetables is the most predominate industry of the mainland area. The land area of maps 11680 and 11681 consists of the large marsh and mudflats area east of Wachapreague, the north end of Parramore Island and the southern part of Cedar Island. Maps 11680 and 11681 are un-inhabited except for the Coast Guard Life Saving Station, which is located on the north end of Parramore Island. Bradford Channel, Hummock Channel and Wachapreague Channel afford outlets from the Atlantic Ocean, at Wachapreague Inlet, to the town of Wachapreague. The mud flats can be navigated at or near high water only.

Field inspection is believed complete and was performed on the following nine-lens photographs; 60388, 60469, 60470, 60533, 60534, 60571, 60573, 60574 and 60575. One single lens photograph numbered 59W9329 and 1:30,000 scale was also used for field inspection. In addition to the above, black and white prints of color photography were used to verify office identification of fixed aids to navigation. These photographs are 59W9646, 59W9650, 59W9654, 59W9657, 59W9659, 59W9662, 59W9663, 59W9664, 59W9666, 59W9667 and 59W9668. These aids were checked in the field and have been indicated on the above photographs.

The photographs were of good quality and no difficulty was encountered in their interpretation in the field. The tones varied from white, in the sand areas, to grey, in the mud flats, to black, in the areas covered with marsh.

3. Horizontal Control.

All Coast and Geodetic Survey Control Stations were searched for. The requirements for control, as indicated by the project diagram, were adequately met for these maps.

3. Horizontal Control Cont'd.

Sufficient stations were recovered and identified and no supplemental control was established.

Reference mark No. 1 for station BRAND 1933 was identified in lieu of the station. The station was not recovered.

The following stations were reported lost;

11679
NIG (V.F.C.) 1934

11681
Parramore Beach, Coast
Guard Shack Chimney 1937
WYE (V.F.C.) 1933
NORTH (V.F.C.) 1933

11680
BRAND 1934
BRADFORD (V.F.C.) 1934
Wachapreague Inlet,
Finney Creek Light 1937
Wachapreague Inlet,
Black Rock Reach Light
1937

4. Vertical Control.

There are no tidal bench marks within these maps.

5. Contours and Drainage.

Contours are inapplicable.

The tidal streams in the marsh areas are self-evident from the photographs. The drainage along the mainland area of map 11679 has been indicated on the photographs.

6. Woodland Cover.

Woodland cover was inspected and has been classified on the photographs.

7. Shoreline and Alongshore Features.

The mean high water line along the ocean was located by occasional measurements from identifiable photo. points. In some places, particularly around the inlets, the water has swept across the beach and no identifiable points could be found. The mean high water line was then indicated as photographed.

The apparent shoreline was inspected by skiff and has been indicated on the photographs.

The low water line was not inspected. The foreshore along the ocean is sand. There are no bluffs or cliffs.

All docks, piers, wharves or landings have been indicated on the photographs.

Shore ends of submerged cables have been indicated on the photographs.

Other shoreline structures, where they exist, have been clarified.

8. Offshore Features.

There are none.

9. Landmarks and Aids.

Landmarks for nautical charts and fixed aids to navigation are adequately covered by Form 567. This form is included with the field data for these maps.

10. Boundaries, Monuments and Lines.

The entire area is in Accomac County, Virginia. The corporate limits of Wachapreague have been indicated on photograph 60573. The limits of the Coast Guard Reservation on Parramore Island have been indicated on photograph 60534.

11. Other Control.

Three recoverable topographic stations were identified for location by the plot. They are WHEN 1961, EAST GABLE BLACK ROOF 1961 and N. GABLE BURTONS BAY (1942) 1961.

12. Other Interior Features.

Buildings were inspected and have been indicated in accordance with Photogrammetry Instruction No. 54.

Roads were inspected and have been classified in accordance with Photogrammetry Instruction No. 56.

There are no bridges or cables over navigable water.

There are no airports or landing fields.

13. Geographic Names.

A systematic investigation of names was not required. No new names are recommended for mapping.

14. Special Reports and Supplemental Data.

Form 567, submitted with this data

Letter of transmittal, submitted with this data.

Submitted,

William M. Reynolds
William M. Reynolds
Sub-unit Photo. Party 720

SCALE FACTOR

1 FT. = 3048006 METER	DATE <i>Nov 1961</i>	CHECKED BY: <i>VPC</i>	DATE <i>3/19/62</i>	COMM-DC-57843
COMPUTED BY: <i>RPW</i>				

COMPILATION REPORT T-11679

PHOTOGRAMMETRIC PLOT REPORT

Submitted with T-11680.

31. DELINEATION

The graphic method was used.

The field inspection was good.

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 field inspected.

35. SHORELINE AND ALONGSHORE DETAILS

Delineated according to field inspection which was adequate. Delineation of low-water lines was based on field inspection notes.

36. OFFSHORE DETAILS

Delineated according to field inspection.

37. LANDMARKS AND AIDS

None.

38. CONTROL FOR FUTURE SURVEYS

None located.

39. JUNCTIONS

A satisfactory junction has been made to the south with T-12130 and T-11682 and to the east with T-11680. The west and north are project limits.

40. HORIZONTAL AND VERTICAL ACCURACY

No statement.

46. COMPARISON WITH EXISTING MAPS

A comparison has been made with U.S.G.S. quadrangle "Wachapreague", scale 1:24,000, compiled in 1958. No changes of importance were noted.

47. COMPARISON WITH NAUTICAL CHARTS

A comparison has been made with chart 1221, scale 1:80,000, edition of December 1962. No large changes were noted.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None.

ITEMS TO BE CARRIED FORWARD

None.

Paul W. Leikhim
Paul W. Leikhim
Cartographic Draftsman

APPROVED AND FORWARDED 22 MAY 1963

V. Ralph Sobieralski
V. Ralph Sobieralski
Tampa District Officer

June 22, 1972

GEOGRAPHIC NAMES

FINAL NAME SHEET

PH--5907 (Virginia)

T-11679

Bradford Bay
Bradford Neck
Chalk Pipe Gut
Frogstool Branch
Hog Creek
Little Seal Creek
Machipongo River
Nickawampus Creek
Old Trower
Wachapreague
Wire 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 (8-61)		PHOTOGRAMMETRIC OFFICE REVIEW		U.S. DEPARTMENT OF COMMERCE COAST AND GEODETIC SURVEY	
50.		T- 11679			
1. PROJECTION AND GRIDS WHS		2. TITLE WHS		3. MANUSCRIPT NUMBERS WHS	
		4. MANUSCRIPT SIZE WHS		5a. Classification label Unclassified	
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) XX		
	7. PHOTO HYDRO STATIONS XX	8. BENCH MARKS XX	9. PLOTTING OF SEXTANT FIXES XX	10. PHOTOGRAMMETRIC PLOT REPORT MMS	
	11. DETAIL POINTS WHS & RRW				
ALONGSHORE AREAS (Nautical Chart Data)	12. SHORELINE WHS		13. LOW-WATER LINE WHS		14. ROCKS, SHOALS, ETC. XX
	15. BRIDGES WHS				
	16. AIDS TO NAVIGATION XX		17. LANDMARKS XX		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 WHS		28. BUILDINGS WHS		29. RAILROADS XX
	30. OTHER CULTURAL FEATURES WHS				
BOUNDARIES	31. BOUNDARY LINES XX		32. PUBLIC LAND LINES XX		
MISCEL- LANEOUS	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 William H. Shearouse William H. Shearouse			SIGNATURE OF SUPERVISOR REVIEW SECTION OR UNIT William H. Shearouse William H. Shearouse	
	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		

REVIEW REPORT T-11679

SHORELINE

October 31, 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.

62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS:

A comparison was made with Survey T-8440, scale 1:20,000, dated 1942. Significant differences were shown in blue on the comparison print.

In the area compared, T-11679 supersedes previous surveys for nautical chart construction.

63. COMPARISON WITH MAPS OF OTHER AGENCIES:

A comparison was made with USGS Quadrangle WACHAPREAGUE, VA., scale 1:24,000 dated 1958. No significant differences were noted.

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 1221, scale 1:80,000, 16th edition, dated 11 Sept. 1971. No significant differences were noted.

66. ADEQUACY OF RESULTS AND FUTURE SURVEYS:

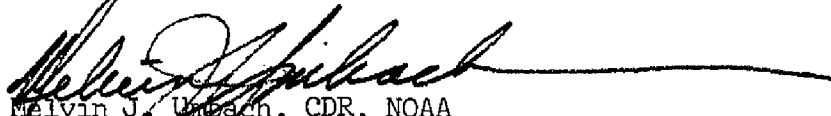
The Photogrammetric Plot Report, which usually states the accuracy of control used for compilation, was not available for final review and no accuracy statement was made in the Compilation Report. However, there is no reason to believe that accuracy is sub-standard. It is believed that this map is adequate for nautical chart construction.

Reviewed by:


Charles H. Bishop

Charles H. Bishop
Cartographer

Approved for Forwarding:


Melvin J. Unbeach, CDR, NOAA
Chief, Coastal Mapping Division, AMC

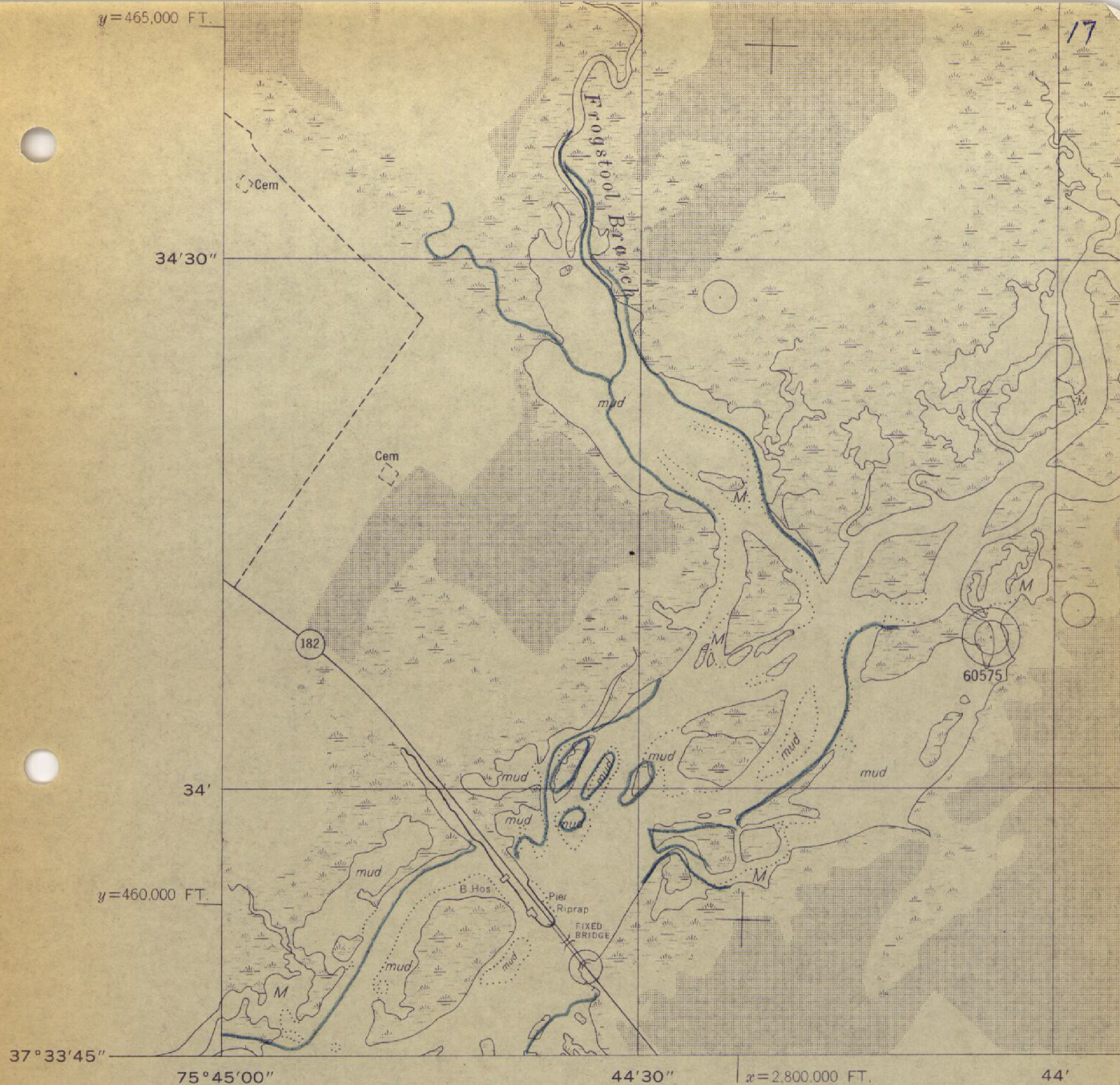
Approved:


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

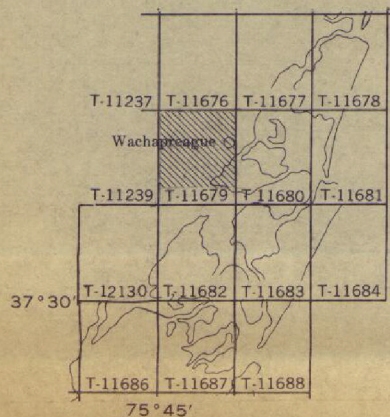
Approved:


Chief, Photogrammetric Branch


Chief, Coastal Mapping Division



INDEX TO ADJOINING SHEETS
PROJECT-5907

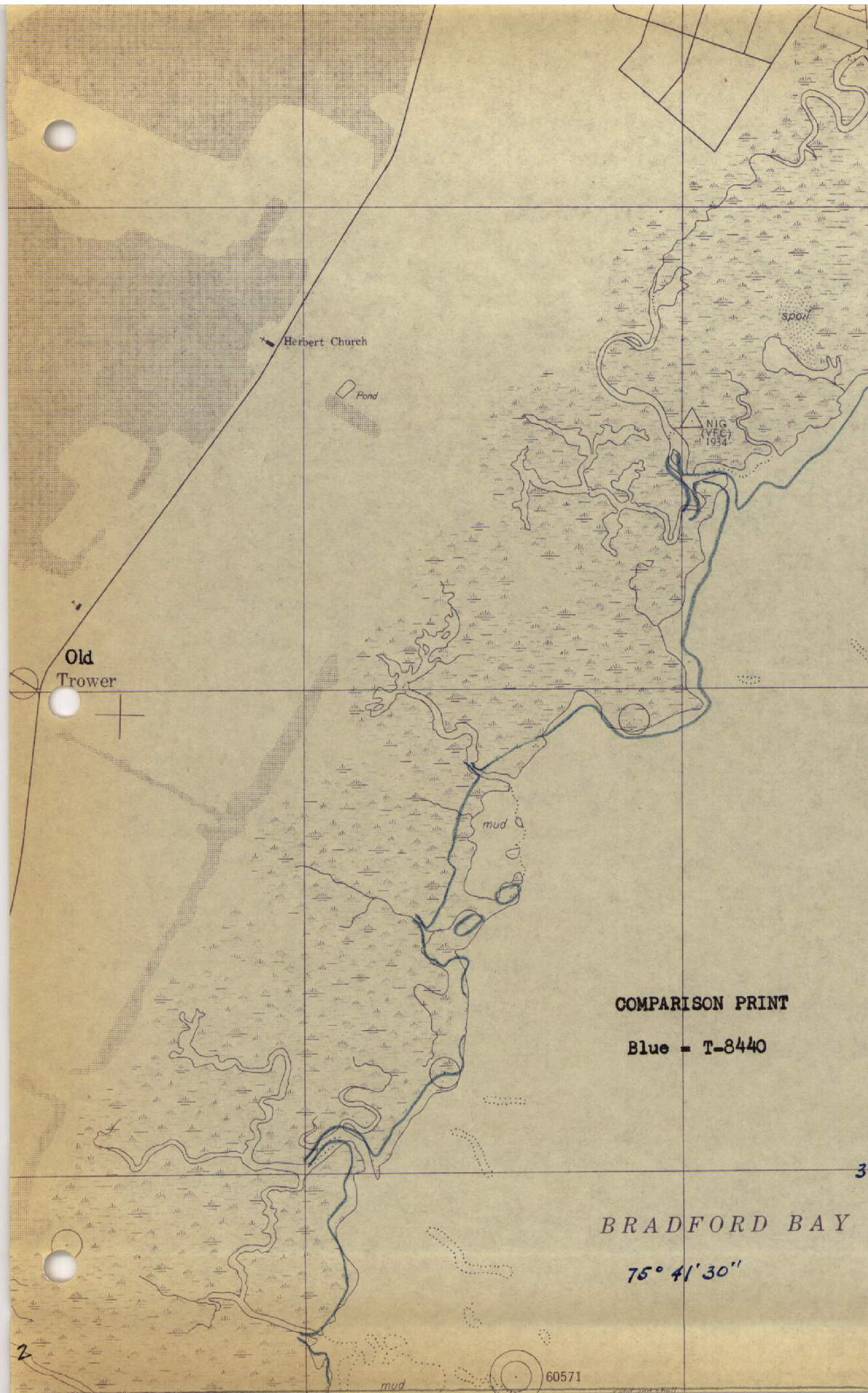


NOTE: Unlabeled circles are
plot points; not map features

COMPARISON PRINT

Blue = T-8440

T-11679
1:10,000



36'

35'30"

y=470,000 FT.

COMPARISON PRINT

Blue - T-8440

37°35'

BRADFORD BAY

75° 41' 30"

T-11679
1:10,000

60571



tion of third-order or higher accuracy

ed.
ter limits of vegetation visible above

pproximate mean high water
thods, from aerial photographs

61
963
3

COMPARISON PRINT

Blue = T-8440

U. S. COAST AND GEODETIC SURVEY
SHORELINE MANUSCRIPT
T-11679
VIRGINIA
ACCOMACK COUNTY
WACHAPREAGUE
SCALE 1:10,000
(1 inch = 833.33 ft.)

CONTROL DATA
Polyconic projection: 1927 North American Datum
5,000 foot grid based on Virginia (South-Zone) plane coordinate system
Datum plane: Mean High Water