

T-11674

T-11674

Form 504 U. S. DEPARTMENT OF COMMERCE COAST AND GEODETIC SURVEY DESCRIPTIVE REPORT	
Type of Survey	SHORELINE
Field No.	Office No. T-11674
Field edited map	
LOCALITY	
State	VIRGINIA
General locality	ACCOMACK COUNTY
Locality	METOMKIN BAY
<hr/> 19.59-62	
CHIEF OF PARTY Joseph K. Wilson, Chief of Field Party V. Ralph Sobieralski, Tampa District Officer Alfred C. Holmes, Director, AMC	
LIBRARY & ARCHIVES	
DATE	JUL 1975

DESCRIPTIVE REPORT - DATA RECORD

T - 11674

PROJECT NO. (II): PH-5907			
FIELD OFFICE (II): Accomac, Virginia		CHIEF OF PARTY Joseph 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 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 (II): BIRD, 1909			
LAT.: 37°44'16.918" (521.m.)	LONG.: 75°35'09.494" (232.5m.)	<input checked="" type="checkbox"/> ADJUSTED <input type="checkbox"/> UNADJUSTED	
PLANE COORDINATES (IV): y = 524,439.31 Ft. x = 2,842,554.39 Ft.		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.			

DESCRIPTIVE REPORT - DATA RECORD

2.

FIELD INSPECTION BY (II): W. M. Reynolds M. A. Stewart		DATE: September 1961
MEAN HIGH WATER LOCATION (III) (STATE DATE AND METHOD OF LOCATION): Air photo compilation Date of photographs: October 13, 1959 April 28, 1962		
PROJECTION AND GRIDS RULED BY (IV): A. R. (W.O.)		DATE January 1962
PROJECTION AND GRIDS CHECKED BY (IV): A. R. (W.O.)		DATE January 1962
CONTROL PLOTTED BY (III): V. P. Cackowski		DATE March 1962
CONTROL CHECKED BY (III): R. R. Wagner		DATE March 1962
RADIAL PLOT OR STEREOSCOPIC CONTROL EXTENSION BY (III): R. R. Wagner		DATE May 1962
STEREOSCOPIC INSTRUMENT COMPILATION (III):	PLANIMETRY Inapplicable	DATE
	CONTOURS	DATE
MANUSCRIPT DELINEATED BY (III): R. Dossett " Reviewed by: R. R. Wagner		DATE August 1962 August 1962
SCRIBING BY (III): R. Dossett " Reviewed by: R. R. Wagner		DATE July 1962 August 1962
PHOTOGRAMMETRIC OFFICE REVIEW BY (III): I. I. Saperstein		DATE December 1962
REMARKS:		

DESCRIPTIVE REPORT - DATA RECORD

CAMERA (KIND OR SOURCE) (III):

USC&GS Nine-lens and
Single-lens Wild "W"

PHOTOGRAPHS (III)

NUMBER	DATE	TIME	SCALE	STAGE OF TIDE
60474	Oct. 13, 1959	1034	1:10,000	Not used for shore-line compilation
60475	"	1034	"	"
60528	"	1114	"	"
60529	"	1114	"	"
62W-3851 thru 3853	Apr. 28, 1962	1035	1:20,000	1.5 ft. above MLW
62W-3861 thru 3864	"	1127	"	1.5 " "

Predicted TIDE (III)

	RATIO OF RANGES	MEAN RANGE	SPRING RANGE
REFERENCE STATION: Sandy Hook	-	4.6	5.6
SUBORDINATE STATION: Metomkin Inlet	HW -0.9		
	LW 0.0	3.7	4.5
SUBORDINATE STATION:			

Atlantic Marine Center

REVIEW BY (IV):

C. H. Bishop

DATE:

October 1973

PROOF EDIT BY (IV):

DATE:

NUMBER OF TRIANGULATION STATIONS SEARCHED FOR (II): 8*

RECOVERED: 3

IDENTIFIED: 2

NUMBER OF BM(S) SEARCHED FOR (II): 0

RECOVERED:

IDENTIFIED

NUMBER OF RECOVERABLE PHOTO STATIONS ESTABLISHED (III): 2

NUMBER OF TEMPORARY PHOTO HYDRO STATIONS ESTABLISHED (III): 0

REMARKS:

* Not including one station established in 1962

COMPILATION RECORD

COMPLETION DATE

REMARKS

Alongshore area for hydro	June 1962	Superseded
Alongshore area revised from field edit	July 1962	Superseded
Interior details added Compilation complete	Aug. 1962	Superseded
Final Review	Oct. 1973	

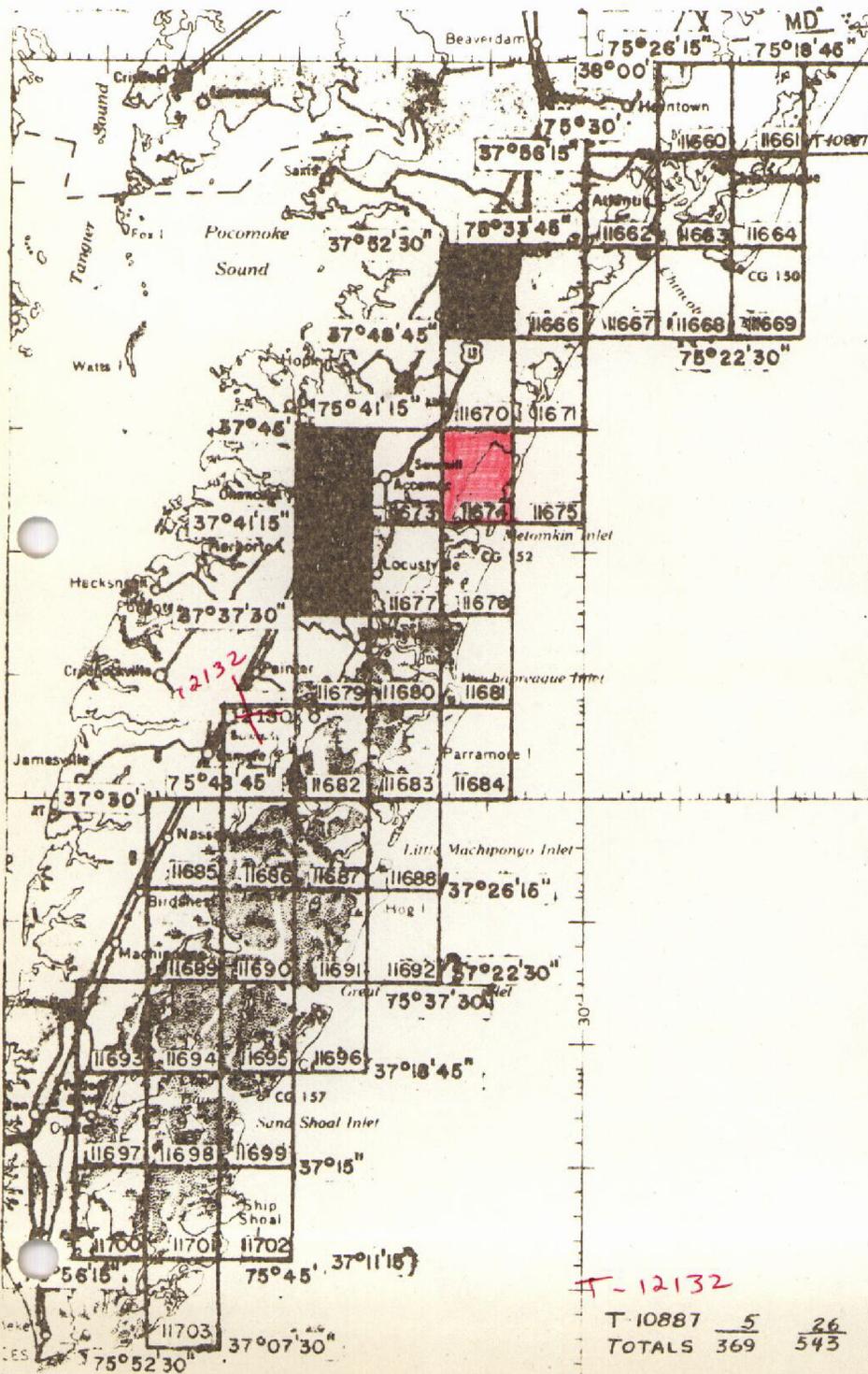
PH-5907

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	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 $\frac{5}{26}$
TOTALS 369 543

11-9-61

SUMMARY TO ACCOMPANY
DESCRIPTIVE REPORT T-11674

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.

Single lens photographs taken in April 1962, after the hurricane which occurred in March, 1962, were used for compilation. Control was established by radial plot using 9-lens photography of October 13, 1959. The Photogrammetric Plot Report was not available at the time of final review and is not bound with this Descriptive Report.

Field edit was done in June 1962 and corrections were applied to the manuscript.

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.

FIELD INSPECTION REPORT
MAPS 11672 through 11675
PROJECT PH-5907

2. Areal Field Inspection.

These maps are located along the eastern shore of Virginia, in Accomack County. Maps 11672 and 11673 are located along the mainland. Maps 11674 and 11675 cover a part of the mainland together with Metomkin Bay and a part of Metomkin Island. The town of Onancock and a part of the town of Onley are located in map 11672. The county seat of Accomack County, a town of the same name, is located in map 11673. The mainland area is devoted exclusively to truck farming and has no other industry of any size. This area is served by U.S. Highway 13 and numerous secondary roads connecting thereto. The Pennsylvania railroad crosses maps 11672 and 11673. The mainland portion of map 11674 is also devoted to truck farming. Metomkin Bay covers a considerable portion of map 11674. This is a shallow body of water and has large areas of mud flats and shoals. The Intracoastal Waterway crosses Metomkin Bay in a north-south direction. This channel is accessible for boats of shallow draft only. The land area of map 11675 is a part of Metomkin Island. This is a narrow stretch of sand beach, with low dunes, separating Metomkin Bay from the Atlantic Ocean. The land area of map 11675 is not inhabited.

Field inspection is believed complete and was performed on the following 1:10,000 scale nine-lens photographs; 60442, 60443, 60444, 60463, 60464, 60465, 60473, 60474, 60475, 60527, 60528 and 60529. Single lens photographs, scale 1:30,000, numbered 59W9283 and 59W9285 were used for field inspection in the northwest corner of map 11672. Single lens photograph, ratio print, scale 1:10,000 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 numbered as follows; 59W9617 through 59W9623.

The photography was of good quality and no difficulty was encountered in their interpretation in the field. The tone changes ranged from white, in the sand areas, to grey, in the grassy areas, to black, in the areas covered with marsh or trees.

No items were deliberately left for field edit.

3. Horizontal Control.

All Coast and Geodetic Survey control stations were searched for. The requirements for control, as indicated by a copy of the project diagram, were adequately met for these maps. No supplemental control was established.

The following stations were reported lost;

11672

11673

none

none

11674

North Temporary Banner 1934

Chincoteague to Hog Island (Metomkin Bay) Beacon 9 (Black) 1934

Chincoteague to Hog Island (Metomkin Bay) Beacon 8 (Red) 1934

Chincoteague to Hog Island (Metomkin Bay) Beacon 5 (Black) 1934

11675

none

4. Vertical Control.

Five tidal benchmarks were recovered in map 11672. They are Onancock, Onancock Creek, Chesapeake Bay Tidal Bench Marks 1 (1914), 3 (1914), B36 (USGS) (1929), 4 (1957) and R85 (1935).

5. Contours and Drainage.

Contours are inapplicable.

The tidal streams are self-evident from the photographs. The drainage along the mainland area 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 measurement from identifiable photo. points, except for the areas around the inlets. The water has swept over these areas and points are not identifiable. The mean high water line around the inlets has been indicated as photographed. All charts having inlet areas therein should carry the notation "shoreline subject to frequent change".

The apparent shoreline was inspected by skiff running close to shore and has been indicated on the photographs.

The foreshore along the ocean is sand. There are no bluffs or cliffs.

Item 7 Cont'd.

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

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

Other shoreline structures have been clarified.

8. Offshore Features.

The shoal areas in Metomkin Bay were visited during field inspection. Notes concerning these areas have been made on the Photographs.

9. Landmarks and Aids.

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

There are no aeronautical aids within these maps.

10. Boundaries, Monuments, and Lines.

The only boundaries affecting these maps are corporate limits of Onancock, Accomac and Onley. A tracing of the official map of Accomac included with the field data. The map lists bearings and distances referenced to triangulation station ACCOMAC 1942 and will give the compiler no trouble. The approximate limits of Onancock has been indicated on photograph 59W9285. A copy of the official map is also included. See item 10 of Field Inspection Report submitted for maps 11676, 11677 and 11678 for discussion of corporate limits for Onley. This report was submitted to Washington on 27 September 1961.

11. Other Control.

The following recoverable topographic stations were selected for location by the plot; Bean 1961, Huger 1961, Tower 1961, East Cable, Red Shack with White Roof 1961 and Center of Roof of Unpainted Shack 1961.

12. Other Interior Features.

All roads were inspected and have been classified in accordance with Photogrammetry Instruction No. 54.

All buildings were inspected and have been indicated 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.

City map of Accomac, submitted with this data
City map of Onancock, Submitted with this 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

MAP T-11674 PROJECT NO Ph 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		DATUM CORRECTION	N.A. 1927 - DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS		FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS	
			FORWARD	(BACK)	FORWARD	(BACK)		FORWARD	(BACK)		
✓ LOYNES 2 1909	P.C. 192	NA	509,344.85	✓	15	52	39.5			Plotted RDP 9-19-62	
✓ LOYNES 2 RM3 1933	P.C. 48	1927	2,834,921.79	✓	86	40	85.9			PPW "	
BIRD 1909	P.C. 48	"	529,290.57	✓	15	52	32.1			"	
METOMKIN BAY P.C.	188	"	2,835,015.97	✓	86	41	14.6			"	
SHACK CHIMNEY 1961	field comp.	"	524,439.31	✓	15	98	49.4			"	
METOMKIN BAY field	comp.	"	2,842,554.39	✓	86	64	12.3			"	
TERN 1962	"	"	511,402.75	✓	15	58	75.9			"	
			2,843,084.37	✓	86	65	73.9			"	
			511,418.67	✓	Station DESTROYED on new photographe -						
			2,843,063.72	✓							
			37 41 41.892	✓							1291.5 (5583) Plotted RDP 9-19-62
			75 35 11.546	✓							282.9 (11871) - PPW 9/19/62

1 FT. = 3048006 METER
COMPUTED BY: PPW

DATE Dec 1961

CHECKED BY: 11C

DATE 3/30/62

COMM-DC-57843

COMPILATION REPORT T-11674

PHOTOGRAMMETRIC PLOT REPORT

Submitted with T-11680

31. DELINEATION

The graphic method was used.

The April 1962 single-lens photographs, flown to show storm damage of March 1962, were used for delineation. The shoreline was by office interpretation of the photographs pending field edit.

The field inspection, on the nine-lens photographs, was adequate but the shoreline had undergone considerable changes. No changes were noted between the 1959 photography on which field inspection was done and the 1962 photography as far as interior details are concerned.

32. CONTROL

See photogrammetric plot report.

33. SUPPLEMENTAL DATA

None.

34. CONTOURS AND DRAINAGE

Contours are inapplicable.

Drainage has been delineated from photographic interpretation and field inspection notes.

35. SHORELINE AND ALONGSHORE DETAILS

All alongshore structures visible on the photographs or noted by the field inspector have been delineated accordingly. The shoal and low-water lines are visible on the photographs and have been delineated after comparing the 1959 and the 1962 photographs. The delineation of these details from office interpretation is to be checked by the field editor.

36. OFFSHORE DETAILS

None.

37. LANDMARKS AND AIDS

Forms 567 were submitted under the dates of June 11 and 12, 1962. One revised Form 567 was submitted under date of July 11, 1962.

38. CONTROL FOR FUTURE SURVEYS

One form 524 is being submitted for a topographic station and is listed under item 49.

39. JUNCTIONS

A satisfactory junction has been secured with T-11673 on the west, T-11675 on the east, T-11670 on the north and T-11678 on the south.

40. HORIZONTAL AND VERTICAL ACCURACY

No comment.

46. COMPARISON WITH EXISTING MAPS

Comparison has been made with U. S. G. S. quadrangle METOMKIN INLET, scale 1:24,000, edition of 1957, compiled from aerial photographs taken in 1949 and 1955, topography by planetable 1957. The biggest change noted was along METOMKIN ISLAND where considerable erosion has taken place due to the storm of March 7-9, 1962.

47. COMPARISON WITH NAUTICAL CHARTS

Comparison has been made with nautical chart 1221, scale 1:80,000, 9th edition, dated March 12, 1962. The same discrepancy mentioned in item 46 was noted.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

Change of shoreline along METOMKIN ISLAND.

ITEMS TO BE CARRIED FORWARD

None.

M. M. Slamy
for Rudolph Dossett
Carto Photo Aid

APPROVED AND FORWARDED - 4 APR 1963

V. Ralph Sobieralski
V. Ralph Sobieralski
Tampa District Officer

June 22, 1972

GEOGRAPHIC NAMES

FINAL NAME SHEET

PH-5907 (Virginia)

T-11674

Atlantic Ocean
Battle Point
Baylys Neck
Bundick Creek
Crippen Creek
Folly Creek
Main Channel
Metomkin Bay
Metomkin Island
North Fork
Parker Creek
Parker Neck
Poplar Creek
Round Rock Channel
Running Channel
Walston Creek
Warwick Channel
Wire Passage

Approved:

A. J. Wraight
A. Joseph Wraight
Chief Geographer

Prepared by:

Frank W. Pickett
Frank W. Pickett
Cartographic Technician

49. NOTES FOR THE HYDROGRAPHER

One recoverable marked topographic station and one landmark were established which may be useful to the hydrographer.

HUGE, 1961

TOWER, 1961, skeleton steel, ht=109(118)

PHOTOGRAMMETRIC OFFICE REVIEW
T-11674

1. PROJECTION AND GRIDS IIS		2. TITLE IIS		4a Classification Label Unclassified		3. MANUSCRIPT NUMBERS IIS	4. MANUSCRIPT SIZE IIS
CONTROL STATIONS	5. HORIZONTAL CONTROL STATIONS OF THIRD-ORDER OR HIGHER ACCURACY IIS			6. RECOVERABLE HORIZONTAL STATIONS OF LESS THAN THIRD-ORDER ACCURACY (TOPOGRAPHIC STATIONS) IIS			
	7. PHOTO HYDRO STATIONS XXX		8. BENCH MARKS XXX		9. PLOTTING OF SEXTANT FIXES XXX		10. PHOTOGRAMMETRIC PLOT REPORT MMS
	11. DETAIL POINTS RRW						
ALONGSHORE AREAS (Nautical Chart Data)	12. SHORELINE IIS		13. LOW-WATER LINE IIS		14. ROCKS, SHOALS, ETC. IIS		15. BRIDGES XXX
	16. AIDS TO NAVIGATION IIS		17. LANDMARKS IIS			18. OTHER ALONGSHORE PHYSICAL FEATURES IIS	
	19. OTHER ALONGSHORE CULTURAL FEATURES IIS						
PHYSICAL FEATURES	20. WATER FEATURES IIS			21. NATURAL GROUND COVER IIS			
	22. PLANETABLE CONTOURS XXX			23. STEREOSCOPIC INSTRUMENT CONTOURS XXX			
	24. CONTOURS IN GENERAL XXX			25. SPOT ELEVATIONS XXX			
	26. OTHER PHYSICAL FEATURES IIS						
CULTURAL FEATURES	27. ROADS IIS		28. BUILDINGS IIS		29. RAILROADS XXX		
	30. OTHER CULTURAL FEATURES IIS						
BOUNDARIES	31. BOUNDARY LINES XXX			32. PUBLIC LAND LINES XXX			
MISCELLANEOUS	33. GEOGRAPHIC NAMES IIS				34. JUNCTIONS IIS		
	35. LEGIBILITY OF THE MANUSCRIPT IIS		36. DISCREPANCY OVERLAY XXX		37. DESCRIPTIVE REPORT IIS		
	38. FIELD INSPECTION PHOTOGRAPHS IIS			39. FORMS IIS			
	SIGNATURE OF REVIEWER <i>I.I. Saperstein</i>			SIGNATURE OF SUPERVISOR, REVIEW SECTION OR UNIT <i>M.M. Slavney</i>			
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 <i>R. Dossett</i>				SIGNATURE OF SUPERVISOR <i>M.M. Slavney</i>			

USE REVERSE SIDE FOR REMARKS

FIELD EDIT REPORT

The field edit was done by Wm. M. Reynolds in June 1962.

The shoreline, shoal, and other changes were indicated on the Field Edit ozalid print. The shoreline was located by reference measurements from hubs located by traverse.

No Field Edit Report has been received.

THIS REVISION

NONFLOATING AIDS ON ~~VA~~ CHARTS FOR CHARTS

STRIKE OUT TWO

Tampa District Office, Tampa, Fla. August 23, 1962

I recommend that the following objects which have ~~(1444/1444)~~ been inspected from seaward to determine their value as landmarks be charted on ~~(1444/1444)~~ the charts indicated.

The positions given have been checked after listing by ~~Ralph H. Hought~~

Ralph Sobieralski
V. Ralph Sobieralski Chief of Party

CHARTING NAME	STATE	DESCRIPTION	SIGNAL NAME	POSITION				METHOD OF LOCATION AND SURVEY NO.	DATE OF LOCATION	HARBOR CHART	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTED
				LATITUDE D. M. METERS	LONGITUDE D. M. METERS	DATUM	HEIGHT D. P. METERS						
LIGHT 2 OLD POSITION	VIRGINIA	VIRGINIA INSIDE PASSAGE		37 44	75 34	N.A. 1927 T-11674	03.55 87	Photo Plot T-11674	6/28/62*	X			1221
LIGHT 2		NETCKIN BAY TO WACHAPREAGUE		37 44	75 34	"	03.35 82	"	4/28/62*	X			
		GREAT MACHIFONGO CHANNEL TO SAND SHOAL CHANNEL											
LIGHT 13 OLD POSITION		"		37 21	75 48	"	52.21 1285	Photo Plot T-11691	4/28/62*	X			1221 1222
LIGHT 14 OLD POSITION		"		37 21	75 48	"	51.77 1271	"	8/25/61	X			
LIGHT 15 OLD POSITION		"		37 21	75 49	"	53.23 1310	"	4/28/62*	X			
LIGHT 16 OLD POSITION		"		37 21	75 49	"	52.74 1298	"	8/25/61	X			
		"		37 21	75 49	"	16.21 399	"	4/28/62*	X			
		"		37 21	75 49	"	15.85 390	"	8/25/61	X			
		"		37 21	75 49	"	17.15 422	"	4/28/62*	X			
		"		37 21	75 49	"	16.94 417	"	8/25/61	X			

This form shall be prepared in accordance with Hydrographic Manual, Publication 20.2, Sec. 1-35, 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 12224 applied 9/26/62 J.H.E.

7-003/62

Supersedes 7-142/62

REVIEW REPORT T-11674

SHORELINE

October 19, 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-8441, scale 1:20,000, dated 1942. Radical changes in the ocean shoreline were attributed to the hurricane of March 1962. Lesser changes in the bay shoreline were not considered significant. Significant differences between the two maps were shown in blue on the comparison print.

In the area compared, T-11674 supersedes previous topographic surveys for nautical chart construction.

63. COMPARISON WITH MAPS OF OTHER AGENCIES:

A comparison was made with USGS Quadrangle METOMPKIN INLET, VA., scale 1:24,000, dated 1957. Comparison with the shoreline on the west side of Metompkin Bay was fair and changes in this area were not considered significant. Significant differences in the ocean shoreline 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 1221, scale 1:80,000, 16th edition, dated Sept. 11, 1971. The Intracoastal Waterway channel has been relocated and fixed aids to navigation have been moved and renamed. Otherwise, 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 was sub-standard.

It is believed that this map is adequate for photo-hydro support and nautical chart construction.

Reviewed by:

Charles H. Bishop

Charles H. Bishop
Cartographer

Approved for Forwarding:

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

Approved:

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

Approved:

AK Raymond *James Altus*
Chief, Photogrammetric Branch Chief, Coastal Mapping Division

35'

$x=2,845,000$ FT.

34'30"

34'



BIRD 1909

METOMKIN BAY TO WACHAPREAGUE LT 2 1962

37°44'00"

COMPARISON PRINT

Blue - T-8441

T-11674
1:10,000

DAYBN 3 1962

75° 34'

37' 30"

y=520,000 FT

43' 30"

COMPARISON PRINT

Blue = T-8441

Brown = USGS

62-W-3862

60528

LT 4 1962

oys bars

mud

mud

mud

mud

mud

mud

DAYBN 6 1962

mud

43'

y=515,000 FT

Ma islets

62-W-3863

shoal

shoal

37°

42' 30"

LT 7 1962

mud

shoal

T-11674

1:10,000

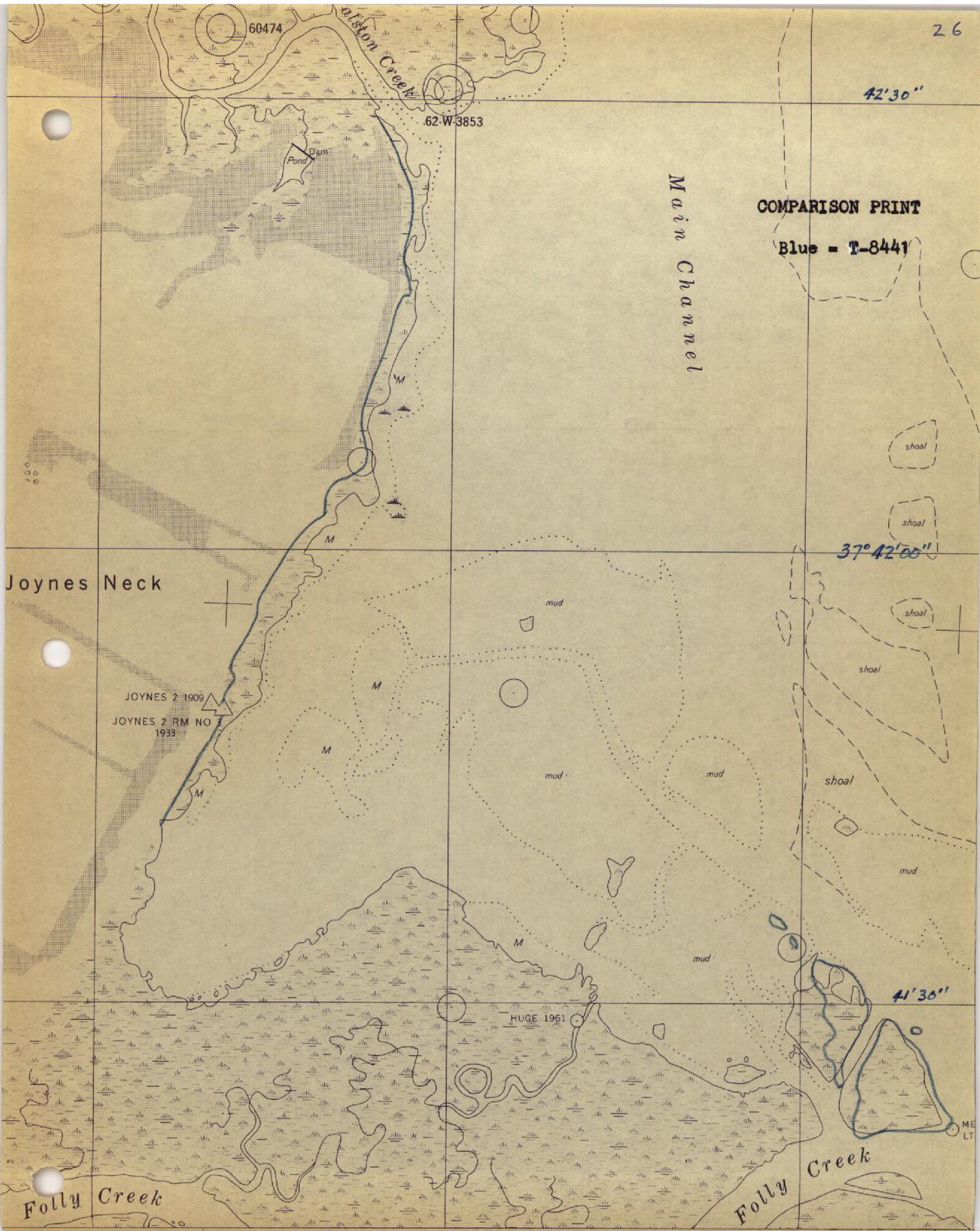
42'30"

COMPARISON PRINT
Blue = T-8441

Main Channel

37°42'00"

41'30"



Joynes Neck

JOYNES 2 1909
JOYNES 2 RM NO 1933

HUGE 1961

Folly Creek

Folly Creek

37'

scale = 2,835,000 FT.

36'30"

75°36'

T-11674
1:10,000

x=2



42'
A T

41'30"

COMPARISON PRINT

Blue = T-8441
Brown = USGS

27°41'15"

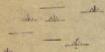
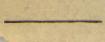
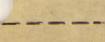
35'30"

75°35'

$s = 2,845,000$ FT.

34'30"

LEGEND

-  Woodland
-  Marsh
-  Grass in water
-  Sand
-  Hard surfaced road
-  Dirt road

-  Recoverable horizontal control station of third-order or higher accuracy
-  Recoverable horizontal control station of less than third-order accuracy
-  Approximate mean low water line
- Open areas are cleared or cultivated.
- The light shoreline defines the outer limits of vegetation visible above approximate mean high water.
- The heavy shoreline defines the approximate mean high water.
- Compiled by photogrammetric methods, from aerial photographs
- Date of Photography Oct. 1959 April 1962
- Date of Field Inspection Sept. 1961
- Date of Field Edit June 1962
- Date of Final Compilation Aug. 1962
- Date of Final Review Oct. 1973

Polyc
5,000 foot grid b

T-11674
1:10,000