

Original

T-11678

T-11678

Form 504	
U. S. DEPARTMENT OF COMMERCE	
COAST AND GEODETIC SURVEY	
DESCRIPTIVE REPORT	
Type of Survey	SHORELINE
Field No.	Office No. T-11678
Field edited May 1975	
LOCALITY	
State	VIRGINIA
General locality	ACCOMACK COUNTY
Locality	METOMKIN INLET
1959-62	
CHIEF OF PARTY	
Joseph K. Wilson, Chief of Field Party	
V.R. Sobieralski, Tampa District Officer	
Alfred C. Holmes, Director, AMC	
LIBRARY & ARCHIVES	
DATE	1 JUL 1975

USCOMM-OC 5087

## DESCRIPTIVE REPORT - DATA RECORD

T - 11678

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 Amendment 1 Field: April 26, 1960 Office: December 28, 1960 Amendment 1 Office: August 10, 1961 Amendment 2 Office: 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 <del>MEAN SEA LEVEL</del> 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):  CEDAR ISLAND 3, 1933		
LAT.: ✓ ✓ ✓ 37° 38' 48.758" (1503.2m)	LONG.: ✓ ✓ ✓ 75° 35' 39.975" (980.0 m)	<input checked="" type="checkbox"/> ADJUSTED <input type="checkbox"/> UNADJUSTED
PLANE COORDINATES (IV):  = 491,188.03 FT.      x = 2,841,128.48 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.		

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

U.S. DEPARTMENT OF COMMERCE  
COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT - DATA RECORD

FIELD INSPECTION BY (II): William M. Reynolds		DATE: Sept. 1961
MEAN HIGH WATER LOCATION (III) (STATE DATE AND METHOD OF LOCATION):  Air photo compilation Date of photography: Oct. 1959, April 1962.		
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 <del>OR STEREOSCOPIC CONTROL</del> EXTENSION BY (III): R. R. Wagner		DATE May 1962
STEREOSCOPIC INSTRUMENT COMPILATION (III):  Inapplicable	PLANIMETRY	DATE
	CONTOURS	DATE
MANUSCRIPT DELINEATED BY (III): P. W. Leikhim Manuscript Reviewed By: R. R. Wagner		DATE Jan. 1963 " "
SCRIBING BY (III): R. Dossett Reviewed by: R. R. Wagner		DATE Feb. 1963 Mar. 1963
PHOTOGRAMMETRIC OFFICE REVIEW BY (III): W. H. Shearouse		DATE Apr, 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&amp;GS 9 lens and Wild single lens "W"

## PHOTOGRAPHS (III)

NUMBER	DATE	TIME	SCALE	STAGE OF TIDE
60530	Oct. 13 1959	11:15	1:10,000	0.0
60531	"	"	"	"
60532	"	11:16	"	"
62-W-3865	Apr. 28, 1962	11:29	1:20,000	1.7ft. above MLW
62-W-3866	"	11:30	"	" " "
62-W-3867	"	"	"	" " "
62-W-3868	"	"	"	" " "

## 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  
~~WASHINGTON FIELD~~ REVIEW BY (IV):

O. H. Bishop

DATE: Oct. 1973

PROOF EDIT BY (IV):

DATE:

NUMBER OF TRIANGULATION STATIONS SEARCHED FOR (III): \*5

RECOVERED:  
4IDENTIFIED:  
3

NUMBER OF BM(S) SEARCHED FOR (III): None

RECOVERED:

IDENTIFIED

NUMBER OF RECOVERABLE PHOTO STATIONS ESTABLISHED (III): 0

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

REMARKS:  
\* One station, TOMPKIN, 1962, was established, however, no form 525 was submitted.



## COMPILATION RECORD

## COMPLETION DATE

## REMARKS

Alongshore area for hydro	June 1962	Superseded
Alongshore area revised from field edit	Dec. 1962	Superseded
Interior details added Compilation complete	Jan. 1963	Superseded
Final Review	Oct. 1973	

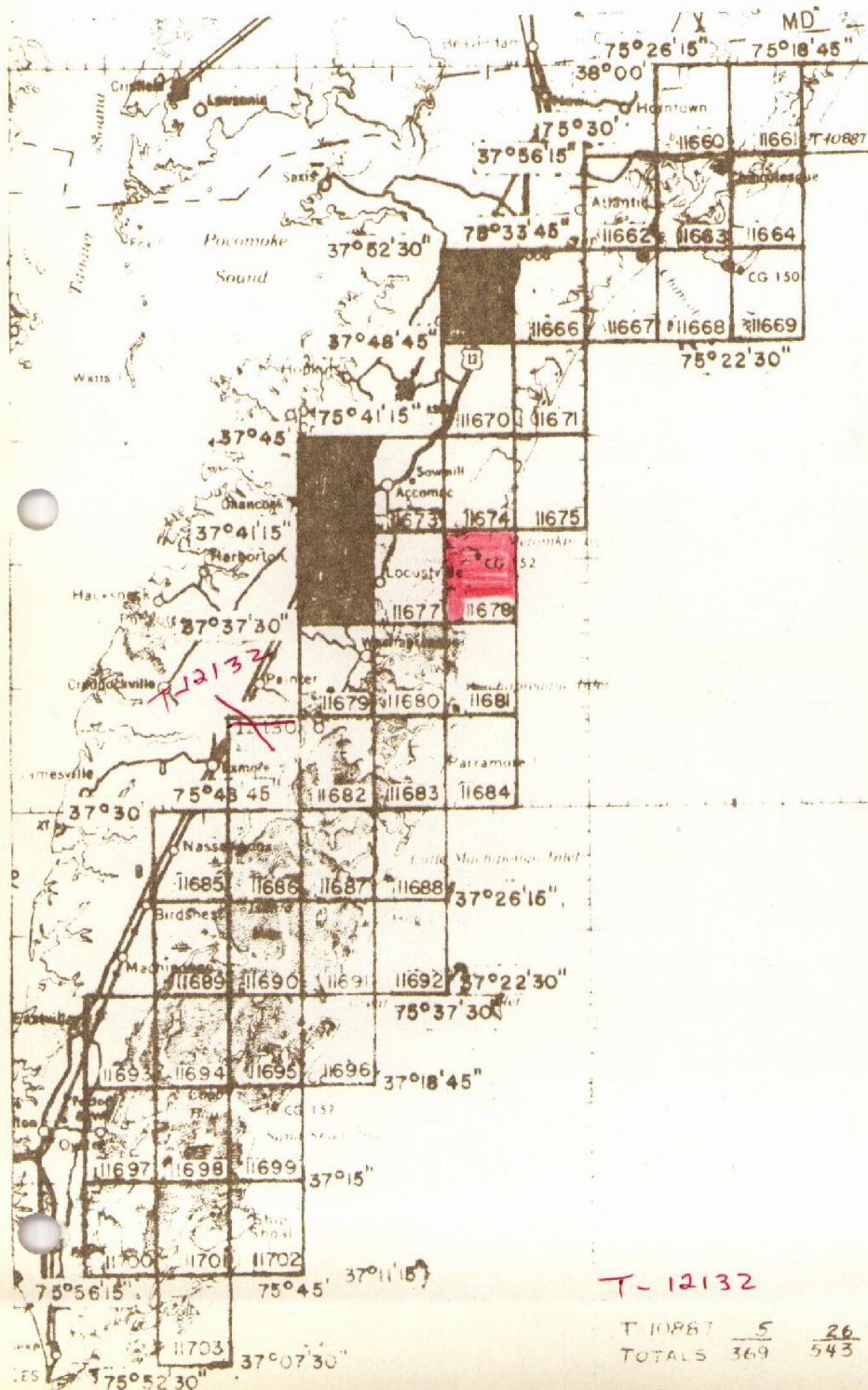
PH-5907

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	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

T-12132

T 10887 5 26  
TOTALS 369 543

11 9 5

SUMMARY TO ACCOMPANY  
DESCRIPTIVE REPORT T-11678

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.

Basic compilation was from the 9-lens photographs, updated by photographs taken in April 1962 after a hurricane which occurred in March 1962. Control for compilation was established by 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.

Field edit was done in October 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 11676, 11677 and 11678  
PROJECT PH-5907

2. Areal Field Inspection.

These maps are located along the eastern shore of Virginia, beginning just west of the town of Melfa and continuing eastward across the northern part of Burtons Bay to the Atlantic Ocean, at Metomkin Inlet. The mainland area is accessible by U.S. Highway 13 and various secondary roads connecting thereto. The Pennsylvania Railroad parallels U.S. 13 across the northwest corner of map 11676. The town of Melfa and a part of the town of Onley are located in map 11676. Both are farming communities and have no other industries. The land area of map 11677 consists of the mainland along the west side of Burtons Bay and sizable marsh areas east and north of the bay. The mainland area is devoted exclusively to truck farming. The small un-incorporated settlement of Locustville is located in this map. The land area of map 11678 consists of the northern part of Cedar Island, the southern part of Metomkin Island and the large marsh areas to the west. This map is un-inhabited except for the Metomkin Inlet Coast Guard Station, which is located near the north end of Cedar Island. The Intracoastal Waterway crosses maps 11677 and 11678 in a northeast to southwest direction. The waterway is navigable for shallow draft boats only. Numerous mud flats and shoals make the water areas navigable at or near high water only.

Field inspection is believed complete and was performed on the following nine-lens photographs; 60439, 60440, 60441, 60466, 60467, 60468, 60471, 60472, 60473, 60529, 60530, 60531 and 60532. One single lens photograph number 59W9332 was used to supplement the nine-lens photography. 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 59W9633 through 59W9643. 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 ranged from white, in the sand areas, to grey, in the mud flats, to black, in the areas covered by marsh or trees.

No items were deliberately left for field edit.

### 3. Horizontal Control.

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

Two stations were established in map 11677. North Gable 1961 was established by tellurometer traverse. Wallops Is. Camera Station No. 10 1961 was established by intersection. Computations for the positions of the above stations are enclosed.

The following stations were reported lost;

11676	11677
none	BEN (V.F.C.) 1934
	Chincoteague to Hog
11678	Island (Floyds Bay)
SAND BURR 3 1934	Beacon No. 13 (Black) 1934

### 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 in the mainland areas of maps 11676 and 11677 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 measurements from identifiable photo. points. In some cases, 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 running close to shore 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, wharves, piers or landings have been indicated on the photographs.

Submerged cables have been indicated on the photographs. The cable across Metomkin Inlet, northward, has been removed. The Coast Guard Telephone Line now comes from the mainland. The approximate route has been indicated on photograph 56530. It was located from existing cable signs and information given by the OIC Metomkin Inlet Coast Guard Station.

Other shoreline structures have been clarified.

8. Offshore Features.

The shoal areas around Metomkin Inlet were visited at high water and all of them are covered.

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 Melfa and Onley have been indicated on photographs 60440 and 60441. A tracing of the official map of Melfa is enclosed. An official map of Onley was not available. The approximate limits have been placed on the photograph with the aid of town officials. The limits of the Coast Guard Reservation, on Cedar Island, have been indicated on photograph 60530.

11. Other Control.

Four recoverable topographic stations were selected for location by the plot.

11676

none

11677

East Gable, Green Roof House  
North Gable, Unpainted House

11678

Bell 1961

Telephone Pole 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.

One landing strip for light aircraft has been indicated on photograph 60441.

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.

Tracing of Official Map of Corporate Limits of  
town of Melfa, submitted with this data.

Letter of Transmittal, submitted with this data.

Submitted,

*William M. Reynolds*

William M. Reynolds

Sub-unit Photo. Party 720



1 FT. = .3048006 METER  
COMPUTED BY: *PLW*  
DATE: *Nov 1961*  
CHECKED BY: *vpc*  
DATE: *3/19/62*  
COMM-DC-57843



COMPILATION REPORT  
T-11678

PHOTOGRAMMETRIC PLOT REPORT

Submitted with T-11680

31. DELINEATION

The graphic method was used.

Nine-lens photographs of October 1959 were basic for compilation. Single-lens photographs taken in April 1962 (after the severe storm of March 1962) were used to correct and up-date areas of change.

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 photographically.

35. SHORELINE AND ALONGSHORE DETAILS

Shoreline was delineated according to field inspection, which was adequate. However, as a consequence of the March 1962 storm, the high water line along the ocean front and at Metomkin Inlet were compiled in "approximate" position from the April 1962 photographs until after field edit.

There are no alongshore structures.

Delineation of low-water and shoal lines was based on field inspection notes.

36. OFFSHORE DETAILS

Delineated according to field inspection notes.

37. LANDMARKS AND AIDS

Aids were submitted on Form 567 dated June 12, 1962. One landmark was submitted on Form 567 dated September 26, 1961 by the field inspector.

38. CONTROL FOR FUTURE SURVEYS

Two topographic stations were located by the field inspector, but they were destroyed by the March 1962 storm.

39. JUNCTIONS

A junction was made to the west with T-11677, to the north with T-11674 and to the south with T-11681. The Atlantic Ocean is on the east.

40. HORIZONTAL AND VERTICAL ACCURACY

No statement.

46. COMPARISON WITH EXISTING MAPS

A comparison was made with U.S.G.S. quadrangle "METOMKIN INLET", scale 1:24,000 compiled in 1957. There has been a major change in the shoreline due to the storm of March 1962.

47. COMPARISON WITH NAUTICAL CHARTS

A comparison has been made with chart 1221, scale 1:80,000 edition of March 1962. The shoreline has changed due to storm of March 1962.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None.

ITEMS TO BE CARRIED FORWARD

None.

*Young I Saperstein*  
I. Y. Saperstein  
Cartographer (photo)

APPROVED AND FORWARDED: -9 MAY 1963

*V. Ralph Sobieralski*  
V. Ralph Sobieralski  
Tampa District Officer

June 22, 1972

GEOGRAPHIC NAMES

FINAL NAME SHEET

PH-5907 (Virginia)

T-11678

Atlantic Ocean  
Big Thrasher Gut  
Cedar Island  
Cedar Island Bay  
Cedar Point  
Cross Creek  
Flounder Point  
Folly Creek  
Great Channel  
Great Gut  
Knock Knees Gut  
Little Channel  
Little Thrasher Gut  
Longboat Creek  
Metomkin Inlet  
Metomkin Island  
Point of Rocks  
Sloop Channel  
Snead Beach  
Snead Beach Channel  
Southwest Gut  
Straight Creek

Approved:

*A. J. Wright*  
A. Joseph Wright  
Chief Oceanographer

Prepared by:

*Frank W. Pickett*  
Frank W. Pickett  
Cartographic Technician

T-11678

49. NOTES FOR THE HYDROGRAPHER

None.

FORM 182 (9-51)		PHOTOGRAMMETRIC OFFICE REVIEW		U.S. DEPARTMENT OF COMMERCE COAST AND GEODETIC SURVEY	
50.		T- 11678			
1. PROJECTION AND GRIDS WHS		2. TITLE WHS <i>Not Classificated</i> unclassified		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 XX	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 WHS	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 REVIEW SECTION OR UNIT <i>Milton M. Slavney</i> Milton M. Slavney		
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>P. W. Leikhim</i> P. W. Leikhim			SIGNATURE OF SUPERVISOR <i>Milton M. Slavney</i> Milton M. Slavney		

FIELD EDIT REPORT  
T-11678

Field edit was done in October 1962 by W. M. Reynolds. Corrections were indicated on the Field Edit Discrepancy card and consisted principally of relocation of the mean high-water line along the Atlantic Ocean front.

No field edit report has been received.

Tampa District Office

DEPARTMENT OF COMMERCE  
U. S. COAST AND GEODETIC SURVEY

NAUTICAL CHART BRANCH

1945

NONFLOATING AIDS OR LANDMARKS FOR CHARTS

TO BE CHARTED  
TO BE DELETED

STRIKE OUT ONE

Accompany Virginia

423 Sept. 19

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

The positions given have been checked after listing by

For *William M. Reynolds*  
Joseph K. Wilson Chief of Party

STATE CHARTING NAME	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.P. METERS						
	Metomkin Bay to Wachapreague Daybeacon 12A		37 41.1	75 36.3	NA 1927		Rad. Plot 11678	9/21/61	X			1221
	Metomkin Bay to Wachapreague Folly Creek Daybeacon 2		37 41.0	75 36.6	"		"	"	"			"
	Metomkin Bay to Wachapreague Folly Creek Jct. Daybeacon		37 41.0	75 36.4	"		"	"	"			"
	Metomkin Bay to Wachapreague Daybeacon 14		37 40.7	75 36.3	"		"	"	"			"
	Metomkin Bay to Wachapreague Light 16		37 40.6	75 36.5	"		"	"	"			"
	Metomkin Bay to Wachapreague Daybeacon 17		37 40.4	75 36.9	"		"	"	"			"
	Metomkin Bay to Wachapreague Light 19		37 40.1	75 37.2	"		"	"	"			"
	Metomkin Bay to Wachapreague Daybeacon 20		37 39.8	75 37.1	"		"	"	"			"
	Metomkin Bay to Wachapreague Daybeacon 21		37 39.6	75 37.0	"		"	"	"			"
	Metomkin Bay to Wachapreague Light 23		37 39.4	75 37.2	"		"	"	"			"
	Metomkin Bay to Wachapreague Daybeacon 25		37 39.2	75 37.5	"		Rad. Plot 11677	"	"			"
	Metomkin Bay to Wachapreague Daybeacon 27		37 39.1	75 37.7	"		"	"	"			"
	Metomkin Bay to Wachapreague Light 28		37 39.1	75 38.0	"		"	"	"			"
	Metomkin Bay to Wachapreague Daybeacon 29		37 38.7	75 38.5	"		"	"	"			"



## Nautical Chart Branch

U.S. DEPARTMENT OF COMMERCE  
COAST AND GEODETIC SURVEY

TO BE CHARTED

~~TO BE REVIEWED~~

STRIKE OUT TWO

## NONFLOATING AIDS OR LANDMARKS FOR CHARTS

Tampa District Office June 12 1962

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

The positions given have been checked after listing by *Robert R. Wagner*

Robert R. Wagner

for V. Ralph Sobieralski Chief of Party

STATE VIRGINIA			POSITION										METHOD OF LOCATION AND SURVEY NO.			DATE OF LOCATION	HARBOR CHART	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTED	
CHARTING NAME	DESCRIPTION	SIGNAL NAME	LATITUDE*		LONGITUDE*		DATUM	METHOD OF LOCATION AND SURVEY NO.		DATE OF LOCATION	HARBOR CHART	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTED							
			° ' "	D.M. METERS	° ' "	D.P. METERS															
VIRGINIA INSIDE PASSAGE																					
METOMKIN BAY TO WACHAPREAGUE																					
DAYBN 12A			37 41	05.81	75 36	17.18	N.A.	Radial	Apr. 28*												
DAYBN	FOLLY CREEK JUNCTION		37 41	17.9	75 36	421	1927	Plot T-11678	1962	X				1221 -							
DAYBN 2	FOLLY CREEK		37 41	02.01	75 36	20.49	"	"	"	X				"							
DAYBN 14			37 41	62	75 36	502	"	"	"	X				"							
DAYBN 16			37 41	11.30	75 36	46.45	"	"	"	X				"							
DAYBN 17			37 40	44.1	75 36	11.38	"	"	"	X				"							
DAYBN 19			37 40	41.84	75 36	17.96	"	"	"	X				"							
DAYBN 20			37 40	12.90	75 36	440	"	"	"	X				"							
DAYBN 21			37 40	32.57	75 36	30.12	"	"	"	X				"							
DAYBN 22			37 40	100.4	75 36	738	"	"	"	X				"							
DAYBN 23			37 40	23.52	75 36	54.80	"	"	"	X				"							
DAYBN 24			37 40	72.5	75 36	1343	"	"	"	X				"							
DAYBN 25			37 40	05.10	75 37	10.45	"	"	"	X				"							
DAYBN 26			37 39	47.03	75 37	258	"	"	"	X				"							
DAYBN 27			37 39	11.50	75 37	05.59	"	"	"	X				"							
DAYBN 28			37 39	34.12	75 37	137	"	"	"	X				"							
DAYBN 29			37 39	10.52	75 37	09.51	"	"	"	X				"							
DAYBN 30			37 39	25.69	75 37	233	"	"	"	X				"							
DAYBN 31			37 39	72.2	75 37	13.46	"	"	"	X				"							
DAYBN 32			37 39	17.09	75 37	330	"	"	"	X				"							
DAYBN 33			37 39	52.7	75 37	29.98	"	"	"	X				"							
* Aids were field identified in 1961 on the 1959 photographs.																					
verified on the April 28, 1962 photographs.																					
This form shall be prepared in accordance with the instructions on the back of the form.																					

\* Aids were field identified in 1961 on the 1959 verified on the April 28, 1962 photographs.

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.

DEPARTMENT OF COMMERCE  
U. S. COAST AND GEODETIC SURVEY

# NONFLOATING AIDS GRANT AND MAJORS FOR CHARTS

~~DO NOT BE DELETED~~ STRIKE OUT ONE

**STRIKE OUT ONE**

Accomac, Virginia

26 Sept. 1961

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

The positions given have been checked after listing by

For William M. Key Chief of Party.  
Joseph K. Wilson

*Chief of Party.*

[illegible]

.O BE CHARTED  
 .O BE DELETED

**STRIKE OUT ONE**

## NONFLOATING AIDS OR LANDMARKS FOR CHARTS

Accomac, Virginia

26 Sept.

197

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

The positions given have been checked after listing by

For Joseph K. Wilson Chief of William M. Reynolds

for Joseph T. Wilson  
William T. Wilson

*Chief of Party.*

[illegible]

REVIEW REPORT T-11678

SHORELINE

October 24, 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. Significant differences were shown in blue on the comparison print.

Because of the hurricane of March 1962, there was a major change in the shoreline along the Atlantic Ocean and Metompkin Inlet.

In the area compared, T-11678 superseded previous 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. Significant differences were shown in brown on the comparison print.

A large difference in the shoreline along the Atlantic Ocean and Metompkin Inlet was noted. This was attributed to the hurricane of March 1962. Numerous differences were noted in the position of channels through the marshes. Only a representative few of these were shown 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 11 Sept. 1971. Fixed aids to navigation have been renamed and re-numbered. They appear on T-11678 as they existed as of October 1962.

No other 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:

*Mervin J. Umbach*  
Mervin J. Umbach, CDR, NOAA  
Chief, Coastal Mapping Division, AMC

Approved:

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

Approved:

*W. S. Hargrove*      *Sam Allen*  
Chief, Photogrammetric Branch      Chief, Coastal Mapping Division



COMPARISON PRINT

Blue = T-8440

Brown = USGS

75° 37'

$x = 2,835,000$  FT.

36' 30"

75° 36'





COMPARISON PRINT

Blue = T-8440

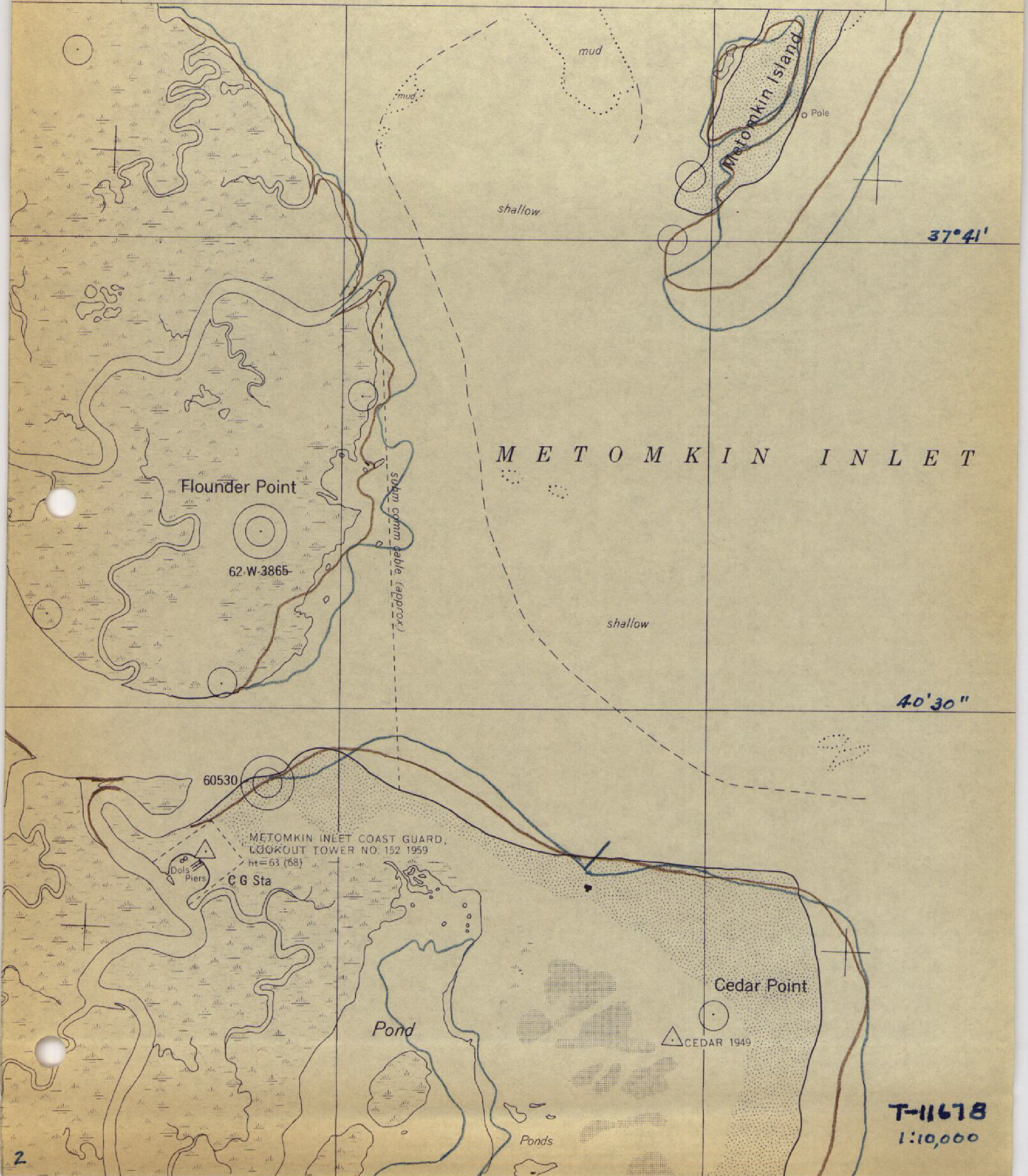
Brown = USGS

x=2,840,000 FT.

35'30"

75°35'

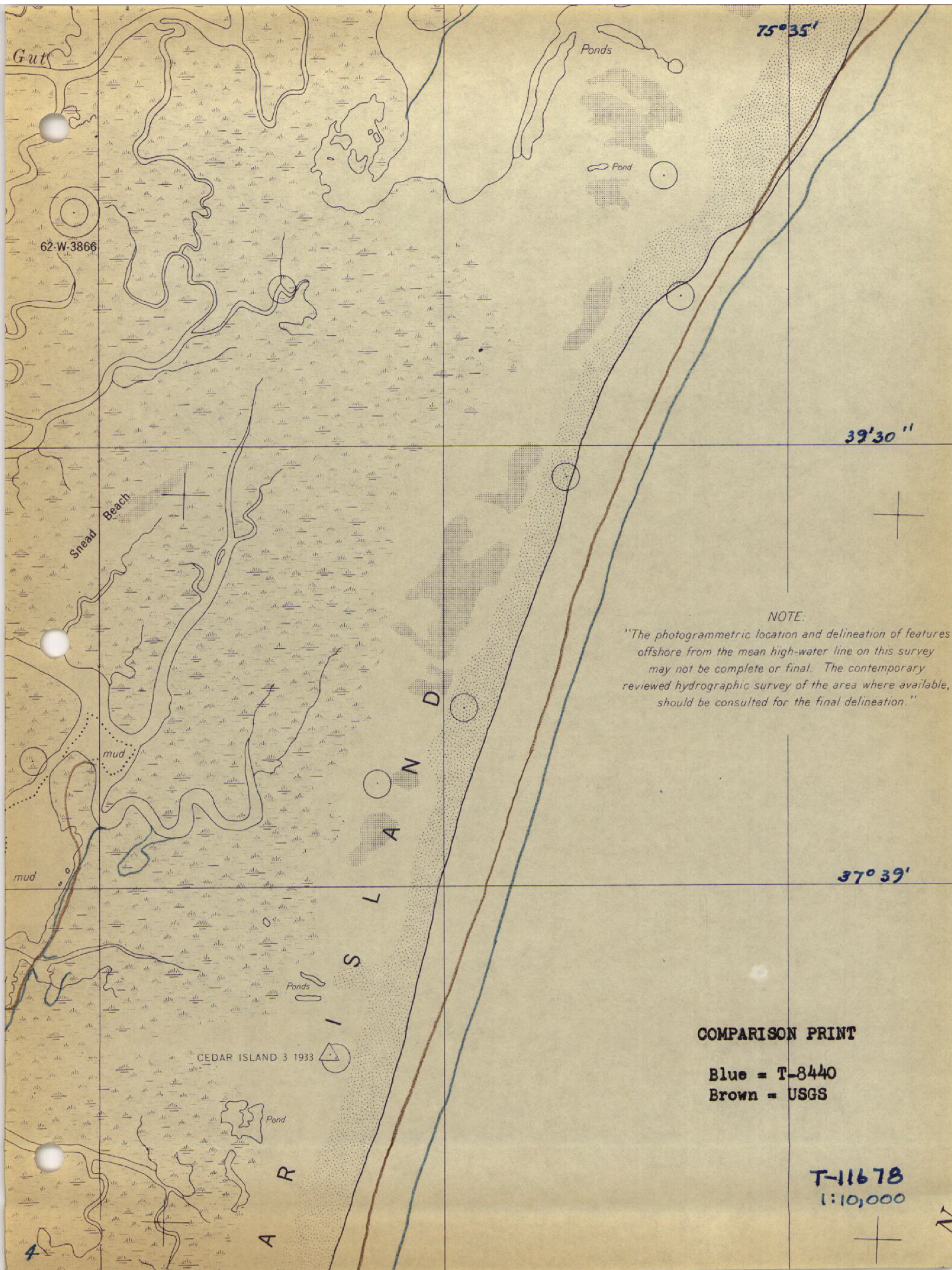
x=2,845,000 FT.



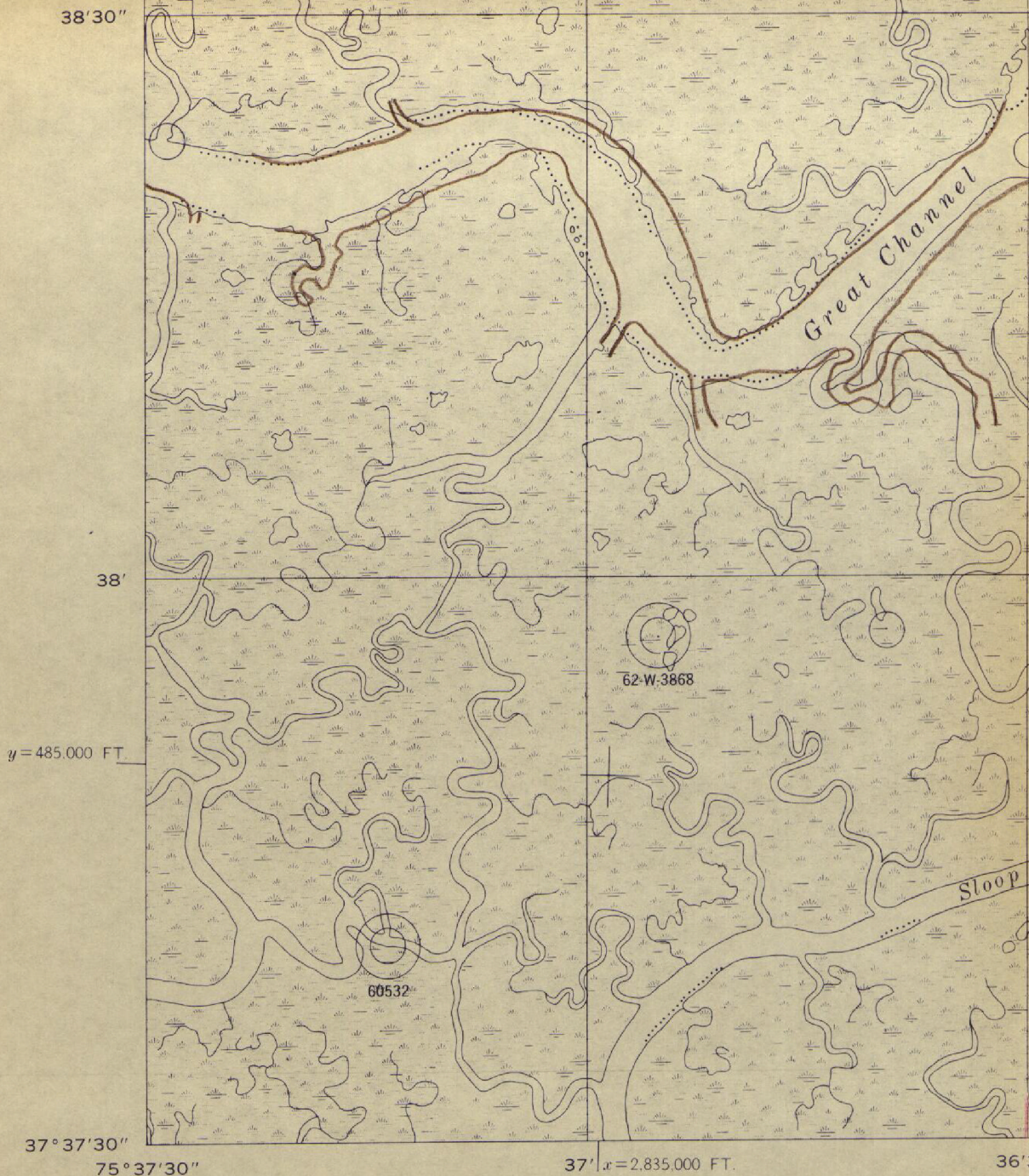




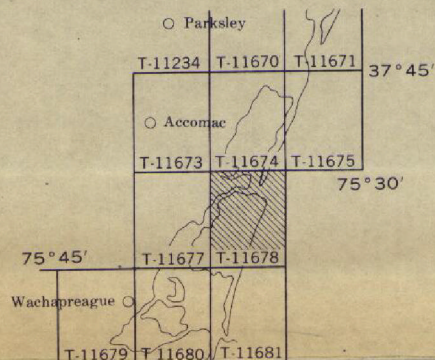








INDEX TO ADJOINING SHEETS  
PROJECT-5907



COMPARISON PRINT

Blue = T-8440  
Brown = USGS

T-11678  
1:10,000





COMPARISON PRINT

Blue = T-8440  
Brown = USGS

30" 36"  $x = 2,840,000$  FT. 35'30"

LEGEND

- Woodland
- Marsh
- Sand

NOTE: Unlabeled circles are photogrammetric plot points; not map features

T-11678  
1:10,000