

T-11687

T-11687

Form 504	
U. S. DEPARTMENT OF COMMERCE	
COAST AND GEODETIC SURVEY	
DESCRIPTIVE REPORT	
Type of Survey	SHORELINE
Field No.	Office No. T-11687
CLASS II * (see page C)	
LOCALITY	
State	VIRGINIA
General locality	HOG ISLAND BAY
Locality	LITTLE TAR BAY TO
NORTH INLET	
19 59-62	
CHIEF OF PARTY	
Elgan T. Jenkins, Field Party 726	
V. Ralph Sobieralski, Tampa District Office	
Alfred C. Holmes, Director AMG	
LIBRARY & ARCHIVES	
DATE	JUL 1975

DESCRIPTIVE REPORT - DATA RECORD
T -11687

PROJECT NO. (II):

PH-5907 (21021)

FIELD OFFICE (II):

Accomac, Virginia

CHIEF OF PARTY

Elgan T. Jenkins

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):

OCT 9 1963

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):

HIGH R.M. 2, 1933

LAT.:

LONG.:

☐ ADJUSTED☒ UNADJUSTED

PLANE COORDINATES (IV):

STATE

ZONE

Y = 418,365.54 Ft. X = 2,807,087.04 Ft.

Florida

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

FIELD INSPECTION BY (III): E. T. Jenkins		DATE: April 1961
MEAN HIGH WATER LOCATION (III) (STATE DATE AND METHOD OF LOCATION): Air photo compilation Date of photographs: October 13, 1959 and April 28, 1962 <i>(Refer page 6)</i>		
PROJECTION AND GRIDS RULED BY (IV): A. Riley		DATE Jan. 1962
PROJECTION AND GRIDS CHECKED BY (IV): I. Y. Fitzgerald		DATE Jan. 1962
CONTROL PLOTTED BY (III): V. P. Cackowski		DATE Jan. 1962
CONTROL CHECKED BY (III): R. R. Wagner		DATE Apr. 1962
RADIAL PLOT OR STEREOSCOPIC CONTROL EXTENSION BY (III): R. R. Wagner		DATE Apr. 1962
STEREOSCOPIC INSTRUMENT COMPILATION (III): Inapplicable	PLANIMETRY	DATE
	CONTOURS	DATE
MANUSCRIPT DELINEATED BY (III): R. Dossett " Reviewed by: W. H. Shearouse		DATE May 1962 May 1962
SCRIBING BY (III): R. Dossett " Reviewed by: W. H. Shearouse		DATE Jan. 1963 Feb. 1963
PHOTOGRAMMETRIC OFFICE REVIEW BY (III): W. H. Shearouse		DATE Apr. 1963
REMARKS:		

DESCRIPTIVE REPORT - DATA RECORD

CAMERA (KIND OR SOURCE) (III):

C&GS Nine-lens and Wild "W"

PHOTOGRAPHS (III)

NUMBER	DATE	TIME	SCALE	STAGE OF TIDE
60538	10-13-59	1120	1:10,000	0.0 ft above MLW
60539	"	1120	"	0.0 " "
60540	"	1121	"	0.0 " "
62-W-3908	4-28-62	1203	"	2.2 " "
62-W-3909	"	"	"	2.2 " "
62-W-3910	"	"	"	2.2 " "

Predicted TIDE (III)

	RATIO OF RANGES	MEAN RANGE	SPRING RANGE
REFERENCE STATION: Sandy Hook		4.6	5.6
SUBORDINATE STATION: Little Machipongo Inlet Entrance	H.W. -0.6 L.W. 0.0	4.0	4.8
SUBORDINATE STATION:			

Atlantic Marine Center

REVIEW BY (IV):

C. H. Bishop

DATE: Nov. 1973

PROOF EDIT BY (IV):

DATE:

NUMBER OF TRIANGULATION STATIONS SEARCHED FOR (III):

5

RECOVERED: 2

IDENTIFIED: 2

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

0

RECOVERED:

IDENTIFIED

NUMBER OF RECOVERABLE PHOTO STATIONS ESTABLISHED (III):

0

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

REMARKS:

COMPILATION RECORD

COMPLETION DATE

REMARKS

Manuscript complete pending field edit	July 1962	See below * Superseded
Final review	Nov. 1973	

* map was not field edited (Refer to page 6)

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	1	11
11691	4	16
11692	2	3
11693	11	11
11694	6	16
11695	4	17
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

TOTALS 369 543

11-9-61

SUMMARY TO ACCOMPANY
DESCRIPTIVE REPORT T-11687

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 April 1961.

Original compilation was from 9-lens photographs taken in October 1959. Control was based on radial plot using the 9-lens photographs. Compilation 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. ** see below*

No field edit of this map was done.

Final review was done at the Atlantic Marine Center in November, 1973. The name Little Tar Bay was changed by the Geographic Names Section to Bordenstake Bay. This name was changed at the geographic location on the map, and also in the map title in the lower right corner of the sheet.

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 extent and detail of the revision of the field inspected shoreline (1959 photographs) with the 1962 photographs is unknown. It is assumed that relatively minor changes were required for this map since the sheet was assigned a Class II rather than a Class III classification. Photographs and other records were not re-examined in the Rockville Office. *AB*

FIELD INSPECTION REPORT
FOR MAPS 11682 THROUGH 11688
PROJECT 5907, VIRGINIA

2. AREAL FIELD INSPECTION-

The area covered by the seven maps, with the exception of map 11685, is composed mostly of mud flats that are bare or nearly so at mean low water. This mud area is very soft and will not afford footing for any type of travel at low water. Some of these mud areas have insufficient water, even at high tide, to support skiffs drawing more than two feet of water.

At high water these areas are large shallow areas of water that can become very choppy with strong winds. There are scattered shell piles throughout the areas that makes small boat travel very hazardous to anyone crossing these areas at high water.

The outer shore of Hog and Parramore Islands is sand that held its position well during hurricane Donna of September, 1960. Numerous measurements were made from fixed objects to the present shoreline to determine the shoreline delineation on the photographs.

The quality of the photography is good. Most single pile structures can be identified on the nine lens photographs. It is believed that enough photographic tones have been labeled to clarify all tones for the compilers.

3. HORIZONTAL CONTROL-

All stations, indicated on the Project Diagram, have been searched for. Those that were desired to be identified were all recovered and identified except CHIMNEY, NORTHEAST GABLE OF SHACK, 1934. This station is destroyed and was replaced with topographic station CUTE, 1961. CUTE, 1961 will furnish control if desired as a fix was observed from it as well as it was referenced to a photograph point.

The following stations are lost or destroyed and reported on Form 526;

DRAW, 1933

Great Machipongo River Bl. Beacon No. 3, 1934

Great Machipongo River Red Beacon No. 2, 1934

Great Machipongo River Channel Lt., 1933

CUNJER CHANNEL LIGHT, 1937

SLOOP, 1910

Little Machipongo Inlet, North Inlet Light, 1933

PONGO, 1934

SOUTHWEST GABLE OF OLD TWO STORY HOUSE, 1934

Revels Island, West Gable Chimney, 1934

LITTLE MACHIPONGO INLET, COAST GUARD TOWER, 1937

CHIMNEY, NORTHEAST GABLE OF SHACK, 1934

4. VERTICAL CONTROL-

Tidal bench mark 1, map 11686 was recovered and identified.

The following bench marks are lost;

Tidal bench marks 1, 2 and 3 all of 1947, Revel Creek, Little Machipongo Inlet, Lat. 37-29.8 and Long. 75-41.0

Tidal bench mark 3, 1914, Little Beach Cove, Little Powder Tub Creek, Parramore Island, Lat. 37-31.9 and Long. 75-39.8

5. CONTOURS AND DRAINAGE-

Drainage consists of small streams and ditches. Those that were considered of sufficient size have been delineated. There are some few flat areas that will occasionally flood but there is no real swamp of importance.

6. WOODLAND COVER-

The tree areas are mostly pine with some few areas interspersed with hardwoods.

7. SHORELINE AND ALONGSHORE FEATURES.

The shoreline is mostly apparent. Very often there is a fringe of Sea Oars or Sea Oats sometimes fifty or more feet in width at the offshore edge of the marsh. This type of grass may reach a height of three to four feet during the summer and fall months and then be killed out during the winter season.

This can cause the apparent shoreline to change with the seasons. However as the grass is growing in these areas most of the year, the apparent shoreline was delineated along the outer edges of it.

There is a submerged telephone cable between the islands of Parramore and Hog. The approximate underwater position of this cable has been delineated on the photographs. This position could be several hundred feet in error as the position was determined by verbal information from the Hog Island Coast Guard Personnel.

3. OFFSHORE FEATURES-

There are no offshore features of any size. There are thousands of small stakes scattered over the mud flats that mark either some small channel or beds of oysters.

9. LANDMARKS AND AIDS-

Landmarks and aids are reported on Form 567. The black and white prints of the color photography were field inspected to verify or correct the office identification of the aids to navigation. Fixed aids not identified on the photographs have been located using ground survey methods.

10. BOUNDARIES, MONUMENTS AND LINES-

The corporate limits of Nassawadox, Virginia have been delineated on single lens ratio print 59W 9297 as far as possible to do so. Some of the southern boundary will need to be projected from an enclosed plat.

An enclosed map of Accomac County will show the mapped position of the line between Accomac and Northampton Counties. Information from the County Court Clerks of these two counties failed to reveal any information concerning a legal description. The division line was established in 1663 and any legal action concerning it has probably been lost in the files of three hundred years. The county court clerks advise that the best place to obtain such information is with the Virginia Department of Highways.

A branch office of this department was visited at Accomac, Virginia. Information obtained from this branch office indicates that their maps are compiled from old federal maps and records. It appears as no one is positive as to just where this line is. The Virginia Highway Department position their highway county line markers by a scaled distance from a map, of the enclosed type. There is a possibility that there is a description of this line somewhere in the files of the Northampton Court House, but no more investigations will be made unless instructed to do so.

11. OTHER CONTROL-

Three previously marked topographic stations were searched for but not found. This information is reported on Forms 524.

The following is a list of new topographic stations established.

BOSS	HANG	GABE
BOOM	GONE	GOUT
BUNT	MORE	WIND
DUNE	GRAY	HELP
HAND	CUTE	HURT
CUPOLA	RUIN	SHED

12. OTHER INTERIOR FEATURES-

All roads and buildings have been inspected and classified according to current instructions.

There are no bridges or cable clearances required.

13. GEOGRAPHIC NAMES-

No systematic investigation was made and no errors found in the geographic names.

14. SPECIAL REPORTS AND SUPPLEMENTAL DATA-

The following map and plat is enclosed;

Accomac County Map

Nassawadox Corporate Limits.

No changes are recommended for the Coast Pilot.

//

(5)

It is not believed that notes to the compiler would be of any aid in the compilation.

The field photographs and all other data for the compilation of these maps are being transmitted by transmittal letter 62-1J dated 28th July, 1961

Respectfully submitted,

July 28, 1961

Elgan T. Jenkins

Elgan T. Jenkins

Chief of Party 726

COMPILATION REPORT T-11687

PHOTOGRAMMETRIC PLOT REPORT

Submitted with T-11688.

31. DELINEATION

The graphic method was used.

Delineation was originally done from the nine-lens photographs which were of poor scale and only fair definition. Revision was made from the 1962 single-lens ratio photographs.

Field inspection was adequate.

32. CONTROL

See photogrammetric plot report.

33. SUPPLEMENTAL DATA

None.

34. CONTOURS AND DRAINAGE

Contours are inapplicable.

Drainage has been delineated as shown on the photographs.

35. SHORELINE AND ALONGSHORE DETAILS

There are no alongshore structures.

Shoreline is of "apparent" classification throughout. It was delineated in accordance with nine-lens photograph inspection and updated with the 1962 single-lens photographs which were made after the March storm.

Field inspection was adequate.

36. OFFSHORE DETAILS

No offshore structures were indicated by the field inspection. Numerous oyster reefs or beds appear in the mud flat area. See item 8 in the Field Inspection Report for further information.

Shoal and low-water lines were delineated from office interpretation of photographs.

37. LANDMARKS AND AIDS

No landmarks were recommended.

Form 567 for nonfloating aids was submitted to the Washington Office under date of July 24, 1962.

38. CONTROL FOR FUTURE SURVEYS

None.

39. JUNCTIONS

A satisfactory junction has been made with T-11686 on the west, T-11688 on the east, T-11682 on the north and T-11691 on the south.

40. HORIZONTAL AND VERTICAL ACCURACY

No comment.

46. COMPARISON WITH EXISTING MAPS

A comparison has been made with A.M.S. quadrangle Little Machipongo Inlet, scale 1:25,000, copied with changed scale in 1947 from the same map manuscript of scale 1:31,680. Comparison was favorable.

47. COMPARISON WITH NAUTICAL CHARTS

Comparison has been made with chart No. 1221, scale 1:80,000, 9th edition, dated March 12, 1962. Comparison was favorable.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None.

ITEMS TO BE CARRIED FORWARD

None.

Rudolph Dossett by
Rudolph Dossett
Carto Photo Aid *R. Wagner*

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-11687

Big Camp Channel
Black Duck Cove
Bordenstake Bay
Chimney Pole Creek
Cunjer Channel
Egging Marsh
Hodges Narrows
Hog Island
Hog Island Bay
Little Camp Channel
North Channel
North Inlet
Sandy Island
Sandy Island Bay
Sandy Island Channel
Sloop Channel
Tar Bay
The Straits

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- 11687			
1. PROJECTION AND GRIDS		2. TITLE		3. MANUSCRIPT NUMBERS	
WHS		WHS		WHS	
		4a Classification label -Unclassified		WHS	
				4. MANUSCRIPT SIZE	
				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		WHS	
		7. PHOTO HYDRO STATIONS		8. BENCH MARKS	
		XX		XX	
		9. PLOTTING OF SEXTANT FIXES		10. PHOTOGRAMMETRIC PLOT REPORT	
		XX		MMS	
		11. DETAIL POINTS			
		WHS			
ALONGSHORE AREAS (Nautical Chart Data)		12. SHORELINE		13. LOW-WATER LINE	
		WHS		WHS	
		14. ROCKS, SHOALS, ETC.		15. BRIDGES	
		WHS		XX	
		16. AIDS TO NAVIGATION		17. LANDMARKS	
		WHS		XX	
		18. OTHER ALONGSHORE PHYSICAL FEATURES		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	
		XX		XX	
		29. RAILROADS		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	
		WHS		XX	
		37. DESCRIPTIVE REPORT		WHS	
		38. FIELD INSPECTION PHOTOGRAPHS		39. FORMS	
		WHS		WHS	
		SIGNATURE OF REVIEWER		SIGNATURE OF SUPERVISOR, REVIEW SECTION OR UNIT	
		William H. Shearouse		Milton M. Slaney	
		William H. Shearouse		Milton M. Slaney 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		

TO BE CHARTED
TO BE REVISED
TO BE DELETED

STRIKE OUT TWO

NONFLOATING AIDS OR LANDMARKS FOR CHARTS

Tampa District Office July 24, 1962

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

The positions given have been checked after listing by W. H. Shearouse

W. H. Shearouse

V. Ralph Sobieralski Chief of Party

STATE	VIRGINIA		SIGNAL NAME	POSITION				METHOD OF LOCATION AND SURVEY NO.	DATE OF LOCATION	HARBOR CHART	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTED
	CHARTING NAME	DESCRIPTION		LATITUDE		LONGITUDE							
				° ' "	D.P. METERS	° ' "	D.P. METERS						
		VIRGINIA INSIDE PASSAGE											
		LITTLE MACHIPONGO CHANNEL TO GREAT MACHIPONGO CHANNEL											
LIGHT 7		SLOOP CHANNEL		37 28	59.04 1820	75 44	07.98 196	N.A. 1927	Photo Plot T-11687	Apr.* 1961	X		1221
LIGHT ⑨		SLOOP CHANNEL		37 28	19.98 616	75 44	28.24 694	"	"	"	X		"
DAYBN 2		CUMMER CHANNEL <i>disappearance of coordinates found</i>		37 28	08.60 265	75 44	11.61 359	"	"	"	X		" No Correlation
LIGHT		NORTH CHANNEL JUNCTION		37 27	43.50 1341	75 43	57.13 1404	"	"	"	X		" - OK
DAYBN 2		NORTH CHANNEL		37 27	40.68 1254	75 45	38.25 940	"	"	"	X		" - No Correlation
LIGHT 3		(Little Machipongo Inlet North Channel Black Beacon 1933)		37 27	42.84 1320.7	75 45	52.72 1295.6	"	Triang. Photo	"	X		" - OK
DAYBN 3A		NORTH CHANNEL		37 27	39.05 1204	75 46	02.69 66	"	Photo Plot	"	X		" - OK
DAYBN 4		"		37 27	41.07 958	75 46	13.26 326	"	"	"	X		" No Correlation
		LITTLE MACHIPONGO INLET											
LIGHT		LITTLE MACHIPONGO		37 27	41.950 368.4	75 40	30.636 753.0	"	Triang T-11688	July 25 1961 **	X		" - OK
		(Little Machipongo Inlet C.G. Lookout Tower, 1959) ht=50(52)											

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

P. and C. G. 10/1/62 M.

NONFLOATING AIDS OR LANDMARKS FOR CHARTS

TO BE CHARTED
TO BE REVISED
TO BE DELETED

Tampa District Office July 24 19 62

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

The positions given have been checked after listing by

J. Papad. Sobieralski Chief of

STATE	CHARTING NAME	VIRGINIA	DESCRIPTION	SIGNAL NAME	POSITION						METHOD OF LOCATION AND SURVEY No.	DATE OF LOCATION	HARBOR CHART	MEMOR CHART	OFFSHORE CHART	CHARTS AFFECTED
					LATITUDE		LONGITUDE		DATUM							
					°	'	°	'								
										D.M. METERS						
			LITTLE MACHIFONGO INLET			37	27	148.849 1506.0	75	40	15.170 372.8	N.A. 1927			X	1221 - ok
	LIGHT		(Hog Island Lt. Bn. 1959)			37	28	12.806 391.8	75	40	01.305 32.1	"			X	1221
	LIGHT 1		LITTLE MACHIFONGO CHANNEL			37	29	09.198 292.8	75	40	54.391 1336.3	"			X	N - M - ok
	LIGHT		(Sandy Island Channel Lt. Bn. 1, 1959)			37	27	02.11 65	75	42	41.09 101C	"			X	N - M - ok
			NORTH INLET													
			GREAT MACHIFONGO INLET													
			GREAT MACHIFONGO CHANNEL													
	LIGHT 3		" " "			37	26	16.80 518	75	46	06.26 151	"			X	N - M - ok
	LIGHT 6		" " "			37	27	18.26 563	75	46	24.42 81.6	"			X	N - M - ok
	LIGHT 7		" " "			37	27	15.12 1391	75	47	11.39 290	"			X	N - M - ok
	LIGHT 10		" " "			37	27	50.00 1529	75	48	23.97 509	"			X	N - M - ok

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.

* TABULATZ SECONDS AND METERS
Cin sent CG 10/9/62 JWS

REVIEW REPORT T-11687

SHORELINE

November 15, 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-8173, 1:20,000 scale dated 1943. Significant differences were shown in blue on the comparison print.

T-11687 supersedes previous topographic surveys for nautical chart construction purposes.

63. COMPARISON WITH MAPS OF OTHER AGENCIES:

A comparison was made with AMS SHEET 5858 I NW, LITTLE MACHIPONGO INLET, VIRGINIA, scale 1:25,000, dated 1948. This map is a copy of T-8173. Differences are the same and are 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 1221, scale 1:80,000, 16th edition, dated Sept. 11, 1971. No significant shoreline differences were noted. Names and numbers of fixed aids to navigation have been changed and some have been added. They are shown on T-11687 as they existed at the time of field inspection in April 1961.

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.

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:

W. H. Thompson

Chief, Photogrammetric Branch

James E. Allen

Chief, Coastal Mapping Division

COMPARISON PRINT

Blue - T-8174 and AMS

COMPARISON PRINT

26'30"

 $y = 415,000 \text{ FT.}$

37°26'15"

75°41'15"

$x=2.815,000$	41'30"
---------------	--------

42

42'30"

△ 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.

Compiled by photogrammetric methods, from aerial photographs

Date of Photography	Oct. 1959 and April 1962
1	1
2	2
3	3
4	4
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96	96
97	97
98	98
99	99
100	100

Oct. 1959 and April 1962

T-11687

VIRGINIA

HOG ISLAND BAY

LITTLE TAR BAY TO NORTH INLET

SCALE 1:10,000

(1 inch = 833.33 ft.)

mud flats & oyster bars

37°27'

Egging Marsh

HIGH RM

mud flats & oyster bars

mud flats & oysters bars

26'30"

60540

75°44'

x=2,805,000 FT.

43'30"

COMPARISON PRINT

Blue = T-8174 and AMS

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.

NOTE: Unlabeled
plot points:

T-11687
1:10,000

24

28'30"

y=425,000

37°
28'

27'30"

42'30"

y=420,000

7-11687
1:10,000

COMPARISON PRINT

75°42'

Blue = T-8174 and AMS

Big Camp Channel

62°W-3910

The Straits

Chimney Pole Creek

62°W-3909

25

mud mud

37°28'

COMPARISON PRINT

Blue - T-8174 and AMS

mud flats & oysters bars

CHANNEL JUNCTION LT 1961

60539

D B A Y

27'30"

mud

TAR BAY

mud

mud
T-11687
1:10000

43'30"

75°43'

5

29'
y=430,000 FT.

28'30"

y=425,000 FT.

37°28'

75°45'00"



CUNJER 1933

SLOOP CHANNEL
LT 7 1961

shell

mud

SLOOP CHANNEL LT 9 1961

CUNJER CHANNEL
DAYBEACON 2 1961

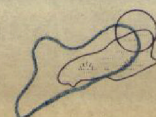
Cunjer Channel

T-11687
1:10,000

NORTH

COMPARISON PRINT
Blue = T-8174 and AMS

26



30" | x=2,810,000 FT.

42'

41'30"

x=2,815,000 FT.

75°41'15" 27

37°30'00



SANDY ISLAND CHANNEL

COMPARISON PRINT

Blue = T-8174 and AMS

60538

ISLAND BAY

y=435.000

29'30"

29'

y=430.000

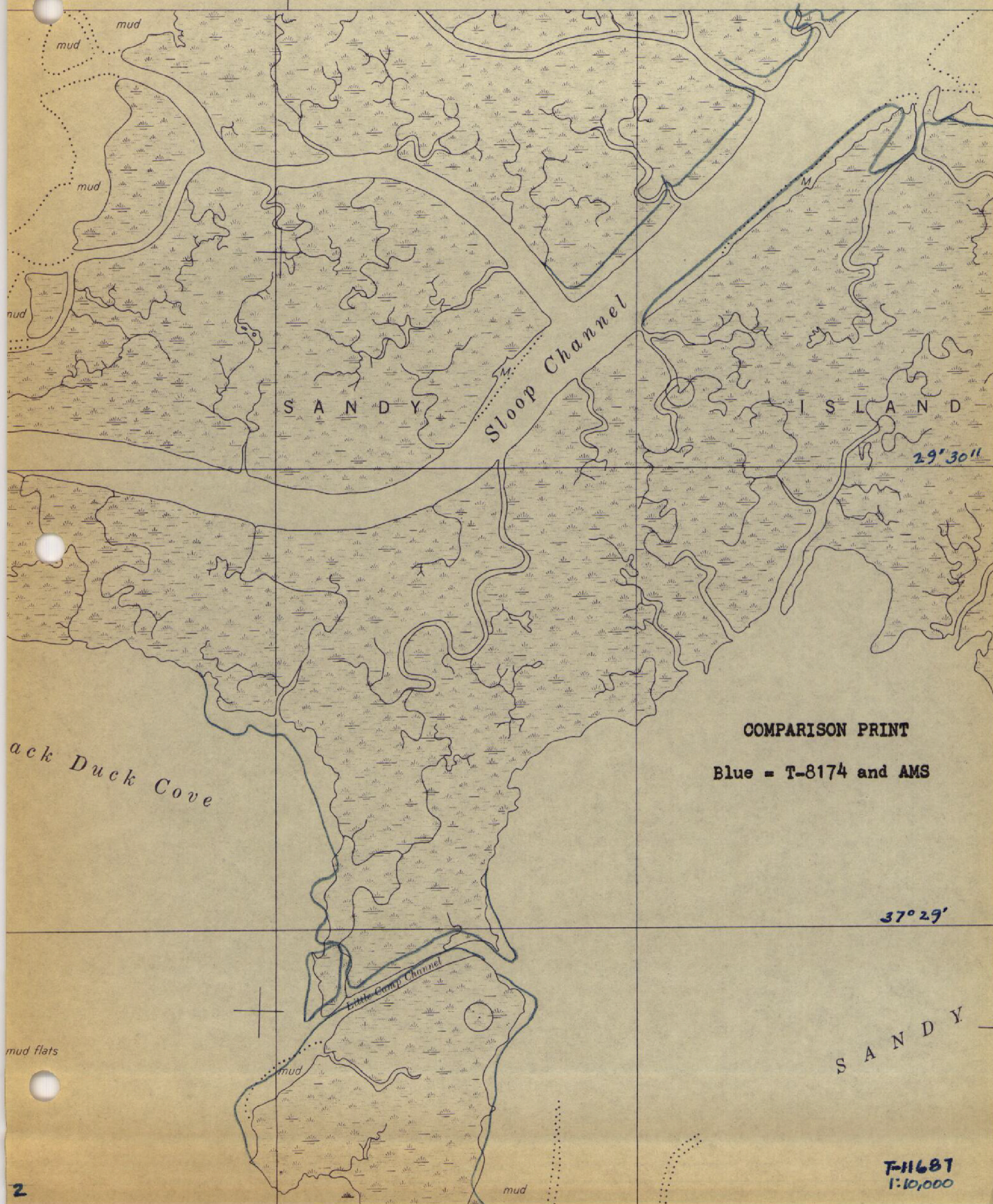
T-11637
1:10,000

3

43'30" x=2,805,000 FT.

75°43'

42'



COMPARISON PRINT

Blue - T-8174 and AMS

37°29'

SANDY

T-11681
1:10,000

COMPARISON PRINT

Blue = T-8174 and AMS

