# 12091

#### FORM C&G\$-504

U.S. DE PARTMENT OF COMMERCE Environmental science services administration Coast and geodetic survey

# DESCRIPTIVE REPORT

NA 1927

MENNY 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):

DAVIS, 1932

LAT.: LONG.: XX ADJUSTED 7**5**023116.33993" 38000 49.79723" UNADJUSTED PLANE COORDINATES (IV): STATE ZONE Y=69,835.66 x= 1,264,485.69 Maryland

AN NUMERALS INDICATE WHETHER THE ITEM IS TO BE ENTERED BY (II) FIELD PARTY, (III) PHOTOGRAMMETRIC OFFICE,

WHEN ENTERING NAMES OF PERSONNEL ON THIS RECORD GIVE THE SURNAME AND INITIALS, NOT INITIALS ONLY.

IELD INSPECTION BY (II):		DATE:	
J. E. Tolodziecki	J. E. Tolodziecki		
MEAN HIGH WATER LOCATION (III) (STATE DA	TE AND METHOD OF LOCATION):		
By Kelsh Plotter wit	th field inspection photog	raphs.	
PROJECTION AND GRIDS RULED BY (IV):		DATE	
A. Roundtree	9-4-62		
PROJECTION AND GRIDS CHECKED BY (IV):	DATE		
I. Y. Fitzgerald		9-10-62	
CONTROL PLOTTED BY (III):		DATE	
L. A. Senasack	4-2-63		
		DATE	
CONTROL CHECKED BY (III):	DATE		
I O Natara		4-2-63	
L. O. Neterer			
RADIAL PLOT OR STEREOSCOPIC CONTROL E. H. P. Eichert	KTENSION BY (III):	3-22-63	
L. A. Senasack (Rad:	al Plot)	6-6-63	
STEREOSCOPIC INSTRUMENT COMPILATION (II	): PLANIMETRY	DATE	
	L. O. Neterer	4-15 <b>-</b> 63	
	CONTOURS	DATE	
MANUSCRIPT DELINEATED BY (III):		DATE	
B. Wilson	4-26-63		
SCRIBING BY (III):	DATE		
<b>J.</b> Cregan	6-15-64		
PHOTOGRAMMETRIC OFFICE REVIEW BY (III):		DATE	
E. L. Rolle	6-15-64		

# DESCRIPTIVE REPORT - DATA RECORD

ERA (KIND OR SOURCE) (811):

TERM (KIND OR SOURCE) (HII):						
Wild R	<b>C-</b> 8					
	PHO	OTOGRAPHS (III)		•		
NUMBER	DATE	TIME	SCALE	ST	AGE OF TII	DE
61S 9066-9068	24 May 1961	0838	1:30,000	0.5 ft	. above	MIW
63W 3388	3 March 1963	1012	1:30,000	0.1 ft	• above	MLW
	<u> </u>	TIDE (III)	<u></u>	l		
				RATIO OF RANGES	MEAN RANGE	SPRING RANGE
REFERENCE STATION: S	andy Hook, New	<b>J</b> ersey			4.6	5.6
Franklin City, Maryland				0.22	1.0	1.2
SUBORDINATE STATION:			!			
washington office review by (iv): Leo F. Beugnet, AMC				Jan. 1972		
PROOF EDIT BY (IV):				DATE:		
NUMBER OF TRIANGULATION STATIONS SEARCHED FOR (11): 4 RECOVERED:				IDENTIFIED:		
NUMBER OF BM(S) SEARCHED FOR (II):  O  RECOVERED:  O				IDENTIFIED  0		
NUMBER OF RECOVERABLE PHOTO STATIONS ESTABLISHED (III):						
	<del></del>					

0

REMARKS:

NUMBER OF TEMPORARY PHOTO HYDRO STATIONS ESTABLISHED (III):

. [ <del></del>	COMPILATION RECORD	COMPLETION DATE	REMARKS
	Compilation complete pending श्रीकोष कर्मा	May 1963	
	Final Review	<b>J</b> an. 1972	
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- CHINGOTELOUZ - BAY PROJECT - PRICTOS PLASEMEVATO - MAPPEDO SCALE, 1110,000

•	•		and the state of t
. 0	FFICIAL MILEA	GE	
SHEET NO.	AREA SQ. MI.	LINEAR MI. SHORELINE	
12075 12075 12076 12077 12078 12079 12080 12081 12082 12083 12085 12086 12086 12087 12089 12090 12090 12091 12092 12093 12093 12094	TATATANANA SOUTHOUS	313129203268404245422 1131213122	Neuron 25 12 00 00 38 111
TOTAL	153.3	292	Commissions Mayor
		13088	75°67'30"  75°67'30"  75°67'30"  75°67'30"  75°67'30"  75°67'30"  75°67'30"
A STATE OF THE STA		2091/12092	15 5/ 12000   -2000"
ELPF EMANUES 60	30 75°25'15	75 2230" 75"	18 15" 75 10 00" 75" 11 15" W.

#### SUMMARY TO ACCOMPANY

#### DESCRIPTIVE REPORT T-12091

Shoreline survey T-12091 is one of twenty-one similar surveys in Project PH-6103. It covers a part of the west shore of Chincoteague Bay in the vicinity of Greenbackville. The primary purpose of the survey was to provide new shoreline for nautical charts and special purpose charts for the State of Maryland, Department of Tidewater Fisheries.

Field work proceeding compilation consisted of identification of horizontal control, shoreline and field inspection, selection of landmarks for charts and location of fixed aids to navigation.

Compilation was at 1:10,000 scale by Kelsh instrument methods using the panchromatic photography of May 1961 and March 1963. The manuscript was a vinylite sheet 3 minutes 45 seconds in latitude by 3 minutes 45 seconds in longitude which was subsequently scribed and reproduced on cronaflex. Final review was in the Atlantic Marine Center in January 1972. One cronaflex positive and a negative of the final reviewed survey are forwarded for record and registry.

#### FIELD INSPECTION REPORT

MAPS T-120°5, T-120°6, T-120°8 T-120°9, T-12091, and T-12092

PROJECT FE-6103 CHINCCTEAGUE DAY, MAPYLAND

# 2. Areal Field Inspection

The area covered by these six maps is located on the western and northern sides of Chincoteraue Bay. The maps of the Barrier Islands were purposely excluded at this tire because of rovision needed due to the coastal storm of 6 March, 1962. The other maps will be submitted when the new photography has been inspected and control identified.

Chinecteague Bay is generally sheal with the major small best channels marked by sids. The bay is chiefly used by small pleasure bests and shallow-draft vessels operated by commercial crab and cyster fishermen.

The land area of the maps consists mainly of marsh

areas along the shore.

On maps T-12083 (to be submitted later) and T-12086 color photograpy was taken of fixed aids to navigation. Most of these photos were over open water; therefore, the aids were out-in from triangulation stations.

The quality of the photographs was fair. The sids on maps T-12000, T-12009, T-12091, and T-12093 (to be submitted later) were cut-in from photo points as they could not be seen on the photographs.

It is believed enough photographic tones have been labeled to clarify all tones for the compilers.

# 3. <u>Forizental Control</u>

All stations indicated on the project diagram were searched for. Requirements for horizontal control identification as indicated on a special copy of the project diagram were met. Triangulation station LAWDENCE, 1956 was substituted for station HOLDTON, 1942 which could not be recovered.

# 3. Mcrizontal Control Cont'd

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

T-12085 BOBINS MAPSE 1933

> 7-12086 NOVE

T-12088 NONE T-12091 MONFY 1907

PUDNELL (VFC) 1933 GREENBACKVILLE, GPACE M. E. CHURCH, 1907

T-12092 LONG (VFC) 1933 LONG FOINT 1902 LONG POINT (M.S.F.C.)1907

# 4. Vertical Control

There are no tidal bench marks within the areas of these maps.

# 5. Contours and Drainage

Prainage consists of small creeks and systems of mosquite control ditches in marsh areas. The ditches are readily apparent and were indicated on the photographs.

# 6. Woodland Cover

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

# 7. Shoreline and Alongshore Features

The shoreline is mostly apparent. Mearly all the shoreline on these maps is a fringe of marsh. The entire shoreline was inspected by skiff and has been indicated on the photographs. There are occasional short stretches of shoreline that are fast land containing sand or shell.

The shoreline was reinspected by skiff after the coastal storm of 6 March, 1962. The to the fleeding of the marsh areas the storm had no effect on the shoreline on the west side of Chinocheague Ray.

On map T-12092 some alongshore features were changed. These have been indicated on the photographs.

# 8. Offshore Features

There are no offshore features worthy of mapping.

# 9. Landmarks and Aids

There are no outstanding landmarks on these maps to be charted.

Fixed aids to navigation are adequately covered on Form 567.

#### 10. Boundaries, Monuments, and Lines

The Maryland-Virginia state line can be established from the geographic positions of the three monuments along the line which are triangulation.

A copy of the General Highway Map of Worcester

County Maryland is enclosed.

The approximate limits of the Girdletree Wildlise Demonstration Area controlled by the state of Maryland was delineated according to information supplied by Mr. Hamilton Brimer, caretaker of the reserve.

# 11. Other Control

Four previously marked tenegraphic stations were searched for and two were recovered.

BEVENS WINDMILL (T-12085), and C-58 (T-12088), were recovered. BAY (T-12089) and FUR (T-12092) were not recovered. Forms  $52l_1$  have been submitted on all these stations.

The recovered topographic stations were reident-

ified on the photographs for this project.

Photo points of natural and physical features were marked with copperweld stakes to provide supplemental horizontal control for the Maryland Department of Tidewater Fisheries. These points were spaced to provide control for visual sextent fixes anywhere in the bay area. The points are identified on the ratio prints and a descriptive sketch of each location was made on the backs of the photographs.

# 12. Other Interior Features

All reads and buildings have been inspected and classified in accordance with Photogrammetry Instructions Numbers 54 and 56.

The shore ends of all overhead power lines and submerged cables have been indicated on the photographs.

# 12. Other Interior Features Cent'd

. There are no airports or landing fields within this area.

# 13. Geographic Names

A special report on geographic rames will be submitted at a later date.

# 14. Special Reports and Supplemental Data

Special Report Geographic Names, Project PH-6103, to be submitted at a later date.

Special Report Coast Pilot, Project Pl-6103, to be submitted at a later date.

Worcester County Highway Map enclosed with this data.

The field photographs and all other data for the compilation of these maps are submitted by Letter of Transmittal dated 23 March 1962.

Respectfully submitted 23 March 1962,

Ray M. Sundean Chief, Photo Party 723

#### PHOTOGRAPMETRIC PLOT REPORT PH-6103 Chincoteague Bay, Md.

#### March 1963

#### 21. Area Covered

Complete or partial coverage of the following surveys in Chincoteague Bay:

T-12074 thru T-12086

T-12088

T-12089

T-12091

T-12092

See previous reports and sketches covering strips 7, 10, 11.

#### 22. Method

Three strips were bridged and adjusted by analytic aerotriangulation, namely 13a, 13b, and 14.

The attempt was made at first to run one strip from 618 9044 thru 9068. As the result was not satisfactory, the strip was run in two parts with an overlap of six models. This afforded a common area for comparison. In this second attempt photograph 618 9044 was eliminated as its very short base caused a poor cantilever solution.

The bridges turned out satisfactorily as indicated by the closures in the sketch attached. Strip 13a appeared to be the stronger of the two and since the discrepancies between the two in the overlap area were small (only four points out of 57 as great as 0.3 mm at 1:10,000 scale and the majority insignificant) it was decided to accept the values from strip 13a rather than the mean of the two.

Strip 14, to the west, was needed as several models were retuired to complete coverage. It was run on one control point, DOWNS, 1955 Sub. Pt. "B" and five pass points from strip 13a. The adjustment was very satisfactory with closures of less than 0.2 mrs at 1:10,000 scale.

# 23. Adequacy of Control

Horizontal control complied with project instructions and was adequate. The sub points for station FINE, 1934, used as

a check showed closures larger than expected (see sketch attached). Seven other triangulation points in this trulp held closely. Bridging results comply with National Standards of Map Accuracy for 1:10,000.

# 24. Supplémental Data

None

# 25. Photography

Photography was adequate with regard to overlap and definition. Additional photographic coverage is needed for compilation and will be provided. No further bricging is anticipated.

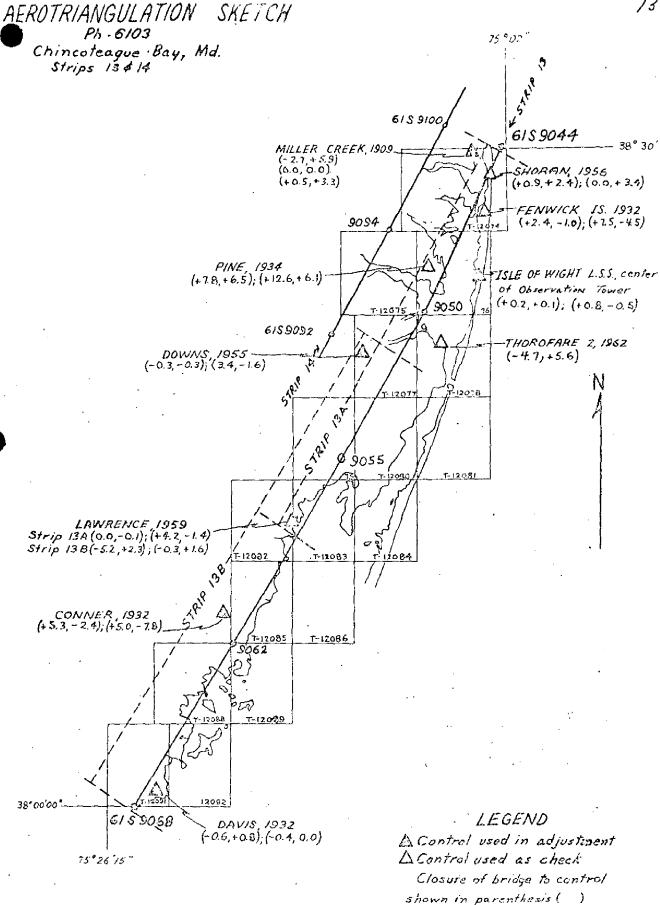
Submitted by:

Henry P., Eichert

approved by:

Everett H. Ramey

Chief, Aerotriangulation Sec.



#### PHOTOGRAMMETRIC PLOT REPORT Project 21039 (PH-6103) Chincoteague Bay, Md. Surveys Nos. T-12086 thru T-12094

#### 21. AREA COVERED

This radial plot covers the areas of the surveys listed above. These are shoreline surveys along Chincoteague Bay and Assateague Island. This radial plot was needed for the compilation of the area and islands west of the Aerotriangulation Bridge Strips 10 and 11 and east of Strip 13B. This includes Tingle Island, Pirate Islands southward to the project limits on the eastern side of Chincoteague Bay. On the western side of Chincoteague Bay the radial plot starts just south of Snow Hill Landing and continues southward to the project limits.

#### 22. METHOD-PADIAL PLOT

Map manuscripts:

Vinylite sheets, with the polyconic projections in black, Maryland Grid in red and/or Virginia South Zone in green which were furnished by the Washington Office.

The positions of all triangulation stations, substitute points and Aerotriangulation Bridge points were plotted on the manuscripts with the coordinatograph.

A sketch showing the layout of the surveys and photograph centers is attached to this report.

#### Photographs:

Thirty (30) photographs ratioed to the scale of 1:10,000 were used in this plot and are numbered as follows:

61-S-9066 thru 9068 61-S-9298 " 9302 62-W-3757 " 3764 62-W-3785 " 3793 63-W-3382 " 3388

All photographs were printed on single weight paper with the exception of the flight 62-W-3786 thru 3793 which were on cronapaque.

#### Templets:

Vinylite templets were made of all photographs. No master templet was available for these single lens photographs.

Closure and Adjustment to Control:

The radial plot was constructed directly on the map manuscripts. The construction began with the flight 62-W-3736 thru 3793, which held to the stereo-points as dropped in bridge strips number 10 and 11. Flight 62-W-3757 thru 3764 was then laid using common points between flights. Flight 63-W-3382 thru 3388 was then laid tying into what was believed to be common stereo-bridge points on bridge 13B. The templets of photos on bridge 13B were added to give stronger position for lights which are aids to navigation.

While laying the templets for photos 61-S-9298 thru 9302, it was noted that it was impossible to make a tic across Chincoteague Bay. The error was as much as from 2 to 3 millimeters. Since this flight did not have any images of the aids to navigation on them and since they were printed on light weight paper, the error could be paper distortion. Since we only needed this flight for delineation of the western shore of Chincoteague Bay, the rays were cut off the templets on the eastern side of the bay. The centers will be only good for delineation on the western side of the bay. All of these centers fall in the water area, and for this reason they are dashed centers on the map manuscripts.

#### Transfer of Points:

The position of all photogrammatric points and photograph centers were pricked on the top templet and drilled down through the templets and map manuscripts.

#### 23. ADEQUACY OF CONTROL

The density and distribution of identified control and stereo-bridge points was adequate.

#### 24. SUPPLEMENTAL DATA

None.

#### 25. PHOTOGRAPHY

The photography was adequate as far as coverage, overlap and image definition. There could be only one suggestion that could be made, and that is where there is a need for a radial plot there is also a need for the photographs to be printed on double weight paper so that the photograph will lay flat and would not distort due to the paper shrinking and expanding and warping.

#### 26. POSITIONS OF AIDS TO NAVIGATION

After all of the templets were taped down onto the map manuscripts the various field cuts to the lights in the area were checked with the radially plotted positions of the office identified lights, which were pricked using as an aid Chart 1220, Revised date 8/6/62. The following is a list of lights and how they were held as comparison with the field angles from the List of Direction. This was done to verify the radial plot.

Chincoteague Bay Light 18 - Without the aid of a radial plot it would have been impossible to locate this point. The cuts as given by the fieldman could have been any of five different points. The cuts from Photo 12 and Boundary Monument Pope Island, 1907 Ecc. missed by approximately 1.5 mm to the southeast and 4.0 mm to the east respectively. The difference between the intersection of the cuts from Photo Point 09 and Photo Point 08 and the radially plotted position was approximately 0.5 mm. An average point was pricked and drilled.

Chincoteague Bay Light 17 - The image for this light did not fall on any of the 1963 photographs. The field cuts from Photo Point 09, Boundary Monument Pope Island, 1907, Ecc. and Cord (VFC), 1933 made a fairly good intersection. The point pricked and drilled was the mean intersection of these three cuts. The cut from Photo Point 08 fell approximately 2.6 mm to the south and was disregarded.

Chincoteague Bay Light 16 - The cuts from Photo Points 03, 11 and 12 fell within .3 mm of the radial plotted position. The point pricked and drilled was the mean of the afore mentioned. The field cut from Photo Point 08 fell approximately 1.3 mm to the east, and the cut from Boundary Monument Pope Island, 1902 Ecc. fell approximately 3.0 mm to the north. These two cuts were disregarded.

Johnson Bay Light 1 - The field cuts from Photo Points 08 and 11 agree with the strong radial plotted position. The cut from Photo Point 12 was disregarded because it fell approximately 0.7 mm to the east.

Johnson Bay Light 3 - The intersection of field cuts from Photo Points 11 and 12 fell aproximately 0.7 mm from a good three cut radial plotted position. The point pricked and drilled was the mean of these two intersections. The field cut from Pluto Point 08 fell approximately 1.0 mm to the south and was disregarded.

George's Island Landing Light 2 - The field cuts from Photo Point 12 and Cord (VFC), 1933 agreed with the radial plotted position. The intersection of these five rays was pricked and drilled. The field cut from Photo Point 03 fell approximately 1.0 mm to the south while the field cut from Photo Point 13 fell approximately 4.6 mm to the west. These two cuts were disregarded.

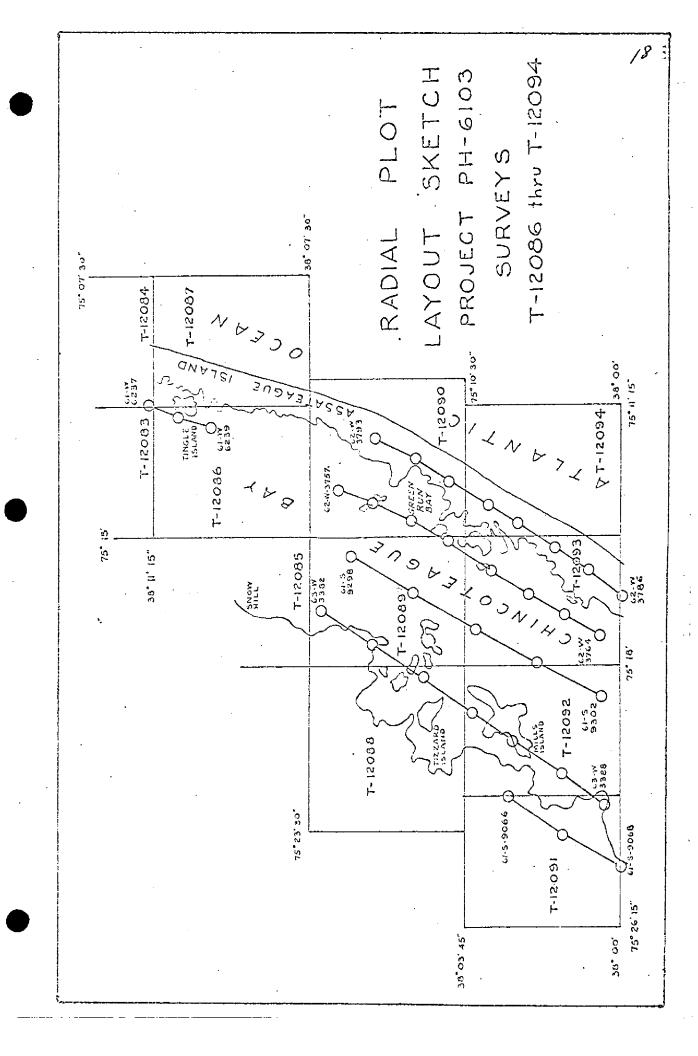
George's Island Landing Light 4 - The field cuts from Photo Points 03, 12 and Cord (VFC), 1933 agreed with the four ray intersection of the radial plot. The only bad ray, which was disregarded, came from Photo Point 13 which fell approximately 5.3 mm to the southwest.

Greenbackville Light 1 - The position of the intersections of the radial plot, the field cuts and the position for this light as shown on Survey No. T-11660 (Project PH-5997) are all in agreement with each other.

Greenbackville Light 3 - The field cuts from Photo Points 00, 02 and 06 agree with the radially plotted position. This point was pricked and drilled. The position as shown on Survey No. T-11660 (Project PH-5907) falls 0.8 mm to the west. The field cut from Cord (VFC), 1933 fell approximately 0.5 mm to the south. These latter two were disregarded.

Respectfully submitted July 8, 1963

Leroy A. Senasack Cartographer (Photo)



U.S. DEPARTMENT OF COMMERCE ENVIRONMENTAL SCIENCE SERVICES ADMINISTRATION COAST AND GEODETIC SURVEY



# DESCRIPTIVE REPORTEDINTROL RECORD

DISTANCE FROM GRID OR PROJECTION LINE IN METERS (1 Pt.  $\approx 3048006$  meter) (BACK) N.A. 1927 - DATUM FORWARD SCALE FACTOR DATE LATITUDE OR Y COORDINATE LONGITUDE OR X COORDINATE 380 001 49,79723" 38<sup>0</sup> 00\* 49,98796" SCALE OF MAP 1:10,000 750 231 16,33993" 75° 231 16,39427" 380 001 50,765" 750 231 17,165" CHECKED BY 1927 DATUM £ £ NA SOURCE OF INFORMATION PH-6103 (INDEX) pg. 1518 pg. 1520 pg. 1521 VOL. II VOL. II VOL. II DATE PROJECT NO. MARYLAND-VIRGINIA BOUNDARY MONUMENT NEAR DAVIS, 1907 STATION MAP T- 12091 MONEY, 1907 DAVIS, 1932 COMPUTED BY

4-2-63

L.O.N.

4-2-63

E.L.R.

# COMPILATION REPORT

# T-12091

There was no compilation report with the data for this survey at the time of final review.

January 14, 1972

GEOGRAPHIC NAMES

FINAL NAME SHEET

PH-6103 (Maryland & Virginia)

T-12091

Bessen Creek
Chincoteague Bay
Franklin City
Goose Point
Goose Point Marsh
Greenbackville
Guys Point
Guys Point
Guys Point
Hancock Creek
Long Point
Powell Creek
Purnell Bay
Riley Creek
Schooner Canal

Approved by:

A. Voseph Wraight

Chief Geographer

Prepared by:

Cartographic Technician

FORM C&GS-1002			U	S. DEPARTMENT OF COMMERCE	
(9-66)	PHO	TOGRAMMET	RIC OFFICE REVIEW	COAST AND GEODETIC SURVEY	
			12091		
1. PROJECTION AND GRIDS	13 TITE		3. MANUSCRIPT NUMBERS	4. MANUSCRIPT SIZE	
1. PROJECTION AND GRIDS	2. TITLE				
ELR	ELR		ELR	ELR	
CONTROL STATIONS	·				
5. HORIZONTAL CONTROL STA THIRD-ORDER OR HIGHER A	ATIONS OF CCURACY	6. RECOVER AS OF LESS TH (Topographic	•	7. PHOTO HYDRO STATIONS	
ELR		<u> </u>	ELR	XX	
8. BENCH MARKS	9. PLOTTING (	OF SEXTANT	10. PHOTOGRAMMETRIC PLOT REPORT	11. DETAIL POINTS	
ΧХ	XX		ELR	ELR	
ALONGSHORE AREAS (Nautical	Chert Date)				
12. SHORELINE	13. LOW-WATER	RLINE	14. ROCKS, SHOALS, ETC.	15. BRIDGES	
ELR	EL	R _	ELR	ELR	
16. AIDS TO NAVIGATION	17. LANDMARK	is .	18. OTHER ALONGSHORE PHYSICAL FEATURES	19. OTHER ALONGSHORE CULTURAL FEATURES	
ELR	EL	R _	ELR	ELR	
PHYSICAL FEATURES					
20. WATER FEATURES		21, NATURAL	GROUND COVER	22. PLANETABLE CONTOURS	
F.L.R		1	ELR	xx	
23. STEREOSCOPIC INSTRUMENT CONTOURS	24. CONTOURS	IN GENERAL	25. SPOT ELEVATIONS	26. OTHER PHYSICAL FEATURES	
<b>x</b> x	XX	•	χx	ELR	
CULTURAL FEATURES					
27. ROADS	28. BUILDINGS		29. RAILROADS	30, OTHER CULTURAL FEATURES	
ELR	EL	R	ELR	ELR	
BOUNDARIES					
31. BOUNDARY LINES			32, PUBLIC LAND LINES		
ELR	<del></del>	<del> </del>	XX		
MISCELLANEOUS  33. GEOGRAPHIC NAMES		34. JUNCTIONS		35. LEGIBILITY OF THE	
331 GEOGRAFIIC NAMES		Jan Jone Hon.		MANUSCRIPT	
ELR		<u> </u>	ELR	ELR	
36. DISCREPANCY OVERLAY	37. DESCRIPTI	VE REPORT	38. FIELD INSPECTION PHOTOGRAPHS	39. FORMS	
ELR	ELR		ELR	ELR	
40. REVIEWER	· · · · · · · · · · · · · · · · · · ·		SUPERVISOR, REVIEW SECTION	N OR UNIT	
E. L. Rolle					
41. REMARKS (See attached shee	•()	<u></u>	·	· · · · · · · · · · · · · · · · · · ·	
FIELD COMPLETION ADDITION		TIONS TO THE M	ANUSCRIPT		
	furnished by th	e field complet	ion survey have been applied t	o the manuscript. The manu-	
COMPILER			SUPERVISOR		
			I I		
43. REMARKS			<u> </u>		
7					

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# FIELD EDIT REPORT

T-12091

This survey was not field edited.

#### REVIEW REPORT T-12091

#### SHORELINE

#### JANUARY 21, 1972

#### 61. GENERAL STATEMENT:

See Summary, which page 6 of the Descriptive Report.

#### 62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS

A comparison was made with a copy of registered survey T-8154, 1:20,000 scale, edition of 1943. The surveys are in good agreement, no discrepancies were noted.

#### 63. COMPARISON WITH MAPS OF OTHER AGENCIES

A comparison was made with USGS GIRDLETREE, MD., VA., 1:24,000 scale quadrangle, edition of 1943. The surveys are in good general agreement.

#### 64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS

There are no contemporary hydrographic surveys within the limits of this map.

#### 65. COMPARISON WITH NAUTICAL CHARTS

A visual comparison was made with Chart 1220, 18th edition, July 17, 1971. The chart and survey T-12091 are in good agreement.

#### 66. ADEQUACY OF RESULTS AND FUTURE SURVEYS

This survey complies with instructions and meets the National Standards of Map Accuracy.

Reviewed by:

Leo F. Beugnet Cartographer

Approved for forwarding:

Melvin J. Umbach, CDR, NOAA Chief, Photogrammetry Division, AMC

Approved:

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

Approved:

Chief, Photogrammetric Branch, Chief, Coastal Mapping Division