

11793

Original

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Diag. Cht. No. 77-6.

Form 504	
U. S. DEPARTMENT OF COMMERCE	
COAST AND GEODETIC SURVEY	
DESCRIPTIVE REPORT	
Type of Survey	PLANIMETRIC
Field No.	Ph-6008
Office No.	T-11793
LOCALITY	
State	MARYLAND
General locality	CHESAPEAKE BAY
Locality	KENWOOD BEACH
19.60	
CHIEF OF PARTY	
G. F. Wirth, Chief of Field Party	
V. R. Sobieralski, Tampa District Officer	
LIBRARY & ARCHIVES	
APR 19 1963	
DATE	

USCOMM-OC 5087

11793

DESCRIPTIVE REPORT - DATA RECORD

T - 11793

Project No. (II): **PH-6008**

Quadrangle Name (IV):

Field Office (II): **Chesapeake Beach, Md.**

Chief of Party: **George F. Wirth**

Photogrammetric Office (III): **Tampa, Florida**

Officer-in-Charge: **V. R. Sobieralski**

Instructions dated (II) (III): **31 August 1960 (Field and Office)**

Copy filed in Division of
Photogrammetry (IV)

Method of Compilation (III): **Stereoscopic Instrument (Kelsh Plotter)**

Manuscript Scale (III): **1:10,000**

Stereoscopic Plotting Instrument Scale (III): **1:6,000**

Scale Factor (III): **Pantographed to 1:10,000**

Date received in Washington Office (IV):

Date reported to Nautical Chart Branch (IV):

Applied to Chart No.

Date:

Date registered (IV):

Publication Scale (IV):

Publication date (IV):

Geographic Datum (III): **N.A. 1927**

Vertical Datum (III): **MHW**

~~Horizontal Datum~~ 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): **MARSHALL, 1942**

Lat.: **38°26'46.998(1449.1 m)**

Long.: **76°31'17.646(1427.9 m)**

Adjusted
~~05500000~~

Plane Coordinates (IV):

State: **Maryland**

Zone:

Y= **223,618.46 Ft.**

X= **937,026.54 Ft.**

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.

PLANIMETRIC

(ii) (iii)

Inapplicable

DESCRIPTIVE REPORT - DATA RECORD

Field Inspection by (II): G. F. Wirth
C. H. Nixon
E. E. Brown
J. E. Tolodziecki, Jr. Date: Oct. 1960

Planetable contouring by (II): Not applicable Date:

Completion Surveys by (II): Date:

Mean High Water Location (III) (State date and method of location): Air photo compilation
Date of photography: 23 July 1960

Projection and Grids ruled by (IV): R.A.C. (W.O.) Date: Oct. 1960

Projection and Grids checked by (IV): J.D.C. (W.O.) Date: Oct. 1960

Control plotted by (III): E. T. Ogilby Date: Nov. 1960

Control checked by (III): W. W. Dawsey Date: Nov. 1960

~~Radio Plotter~~ Stereoscopic Control extension by (III): R. E. Fueschel (W.O.) Date: Oct. 1960

Planimetry E. T. Ogilby Date: Jan. 1961
Stereoscopic Instrument compilation (III):
~~Contours~~ Date:

Manuscript delineated by (III): E. T. Ogilby Date: Jan. 1961

of compilation
Photogrammetric Office Review by (III): I. I. Saperstein Date: Jan. 1961

Elevations on Manuscript
checked by (II) (III): Not applicable Date:

DESCRIPTIVE REPORT - DATA RECORD

Camera (kind or source) (III): **Single-lens "S"**
Diapositives
~~Photochrome~~ (III)

Number	Date	Time	Scale	Stage of Tide
60-S-8578	23 July 1960	09:49	1:30,000	-
60-S-8579	" " "	09:50	"	-
60-S-8580	" " "	09:50	"	+0.5

Predicted Tide (III)

Reference Station: **Baltimore**
Subordinate Station: **Long Beach**
Subordinate Station:

	Ratio of Ranges	Mean Range	Spring Range
	-	1.1	1.3
H.W.	-2.1	1.0	1.2
L.W.	-8.6		

Washington Office Review by (IV):

Date:

Final Drafting by (IV):

Date:

Drafting verified for reproduction by (IV):

Date:

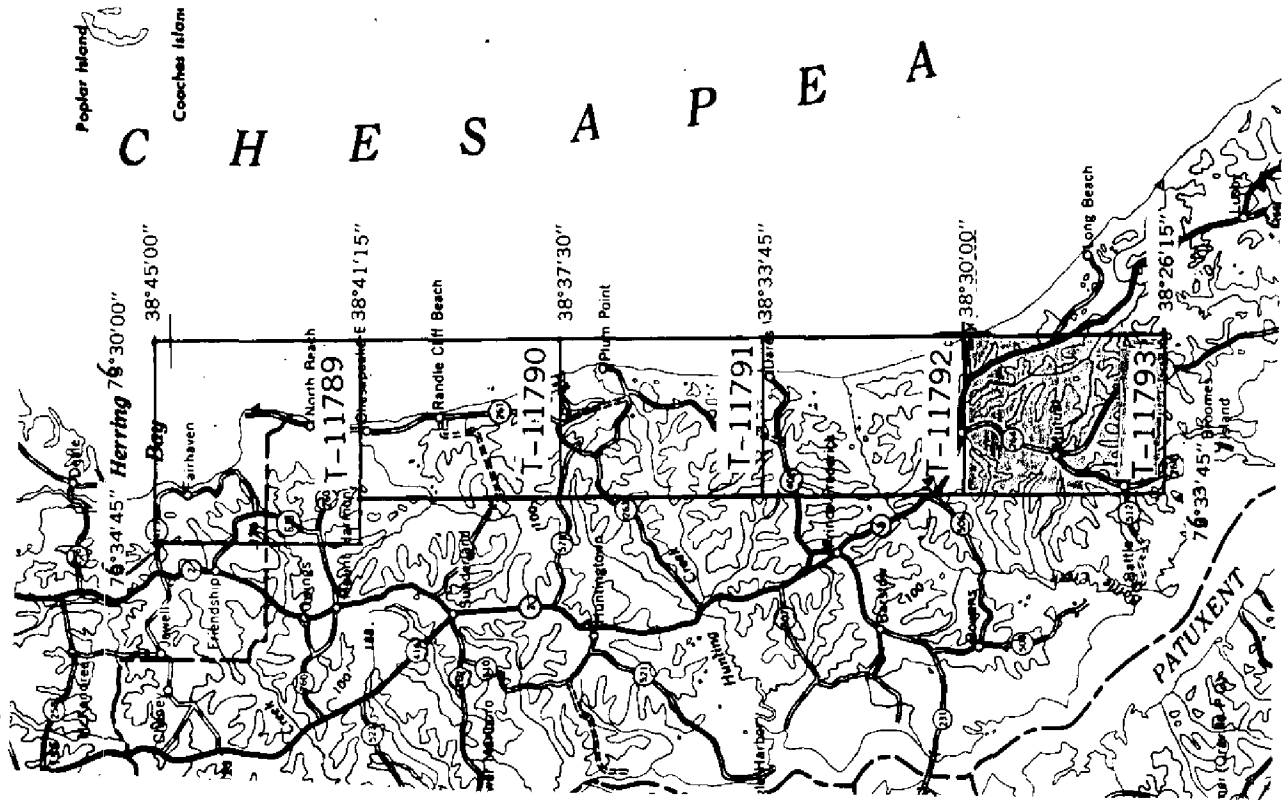
Proof Edit by (IV):

Date:

Land Area (Sq. Statute Miles) (III): **14.5**
Shoreline (More than 200 meters to opposite shore) (III): **0.4 linear mile**
~~Shoreline less than 200 meters to opposite shore (III):~~
Control Leveling - Miles (II): **None**
Number of Triangulation Stations searched for (II): **7** Recovered: **6** Identified: **4**
Number of BMs searched for (II): **0** Recovered: **0** Identified: **0**
Number of Recoverable Photo Stations established (III): **2**
Number of Temporary Photo Hydro Stations established (III): **None**

Remarks:

II Four stations searched for included in this report are off the limits of this sheet. Three of these stations were identified for the horizontal control requirements.



PROJECT PH-6008

SHORELINE MAPPING 1:10,000 Scale

Chesapeake Bay Western Shore

MARYLAND

OFFICIAL MILEAGE FOR COST ACCOUNTS

Sheet number	Linear shoreline	Area (Mi.)
11789	5.2	1.5
11790	4.6	1.5
11791	4.6	1.5
11792	4.6	1.5
11793	.4	1.5

FIELD INSPECTION REPORTSUBMITTED WITH T-11792

PHOTOGRAMMETRIC PLOT REPORT
CHESAPEAKE BAY
Project PH-6008
October 1960

21. Area Covered:

T-11789 through T-11793

22. Method:

A thirteen-model bridge was run on the C-5 stereoplanigraph to provide pass points for use in Kelsh compilation of the project.

Photographs employed in this operation were C&GS 60 S 8577 through 8590. Contact scale was 1:30,000. The bridge was adjusted by IBM methods.

23. Adequacy of Control:

The horizontal control provided complied with the project instructions, and was adequate to provide a basis for satisfactory adjustment of the bridge. All control stations held in bridging, with the exception of FAIRHAVEN 2, 1898, SUB. PT. B., which missed its true position by 17.4 feet (0.3 mm. at instrument scale) in "Y". This is attributed to the fact that the point was indistinct and could not be positively identified in the model.

24. Supplemental Data:

None

25. Photography:

Photography was adequate for aerotriangulation, but the density, contrast, and resolution of the diapositives were generally below the optimum standard.

26. An aerotriangulation sketch and a control list are appended to this report.

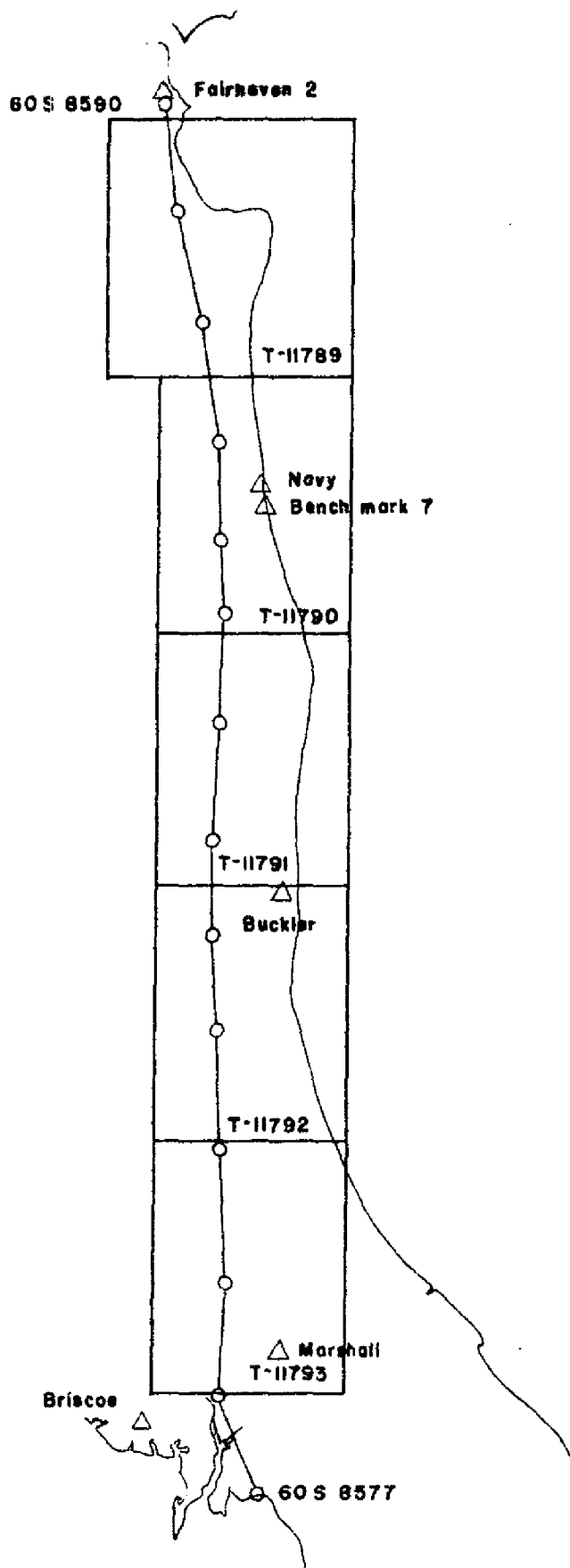
Submitted by:

Robert E. Fueschel
Robert E. Fueschel

Approved:

Everett H. Ramey
Everett H. Ramey, Chief
Aerotriangulation Section

PH- 6008
 MARYLAND
 Chesapeake Bay Western Shore
 OCTOBER 1960



U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY
DESCRIPTIVE REPORT
CONTROL RECORD

T-11789

MAP T thru T-11793 PROJECT NO. PH-6008

SCALE OF MAP

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)
BRISCOE, 1934	P.C. 109	N.A. 1927	218,128.1 924,427.2							
SUB. A	COMP.	"	218,279.0 924,440.5							
SUB. B	"	"	218,142.8 924,453.1							
BUCKLER, 1934	P.C. 26	"	264,656.8 937,155.1							
SUB. A	COMP.	"	264,608.0 937,151.8							
SUB. B	"	"	264,614.5 937,111.7							
FAIRHAVEN 2, 1898	P.C. 28	"	335,724.6 924,005.0							
SUB. A	COMP.	"	335,674.8 923,986.8							
SUB. B	"	"	335,825.1 923,952.5							
NAVY, 1944	P.C. 175	"	301,811.6 934,336.6							
SUB. A	COMP.	"	301,781.5 934,349.7							
SUB. B	"	"	301,855.3 934,352.8							

1 FT. = 3048006 METER

COMPUTED BY: R.E.F.

DATE October 21, 1960

CHECKED BY: R. P.

DATE

October 21, 1960

COMM-DC-5784

U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY
DESCRIPTIVE REPORT
CONTROL RECORD

(2)

MAP T. PROJECT NO. PH-6008 SCALE OF MAP 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 FORWARD (BACK)	DATUM CORRECTION	N.A. 1927 - DATUM		FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS	
						FORWARD	(BACK)	FORWARD	(BACK)
B.M. NO. 7, 1945	P.C. 187	N.A. 1927	298,856.2 934,958.5						
SUB. A	COMP.	"	298,758.0 934,876.6						
SUB. B	"	"	298,874.3 934,969.3						
MARSHALL, 1942	P.C. 110	"	223,618.5 937,026.5						
SUB. A	COMP.	"	223,501.1 937,105.6						
SUB. B	"	"	223,561.5 936,915.8						
WILSON 2, 1934	P.C. 26	"	220,035.4 958,971.5						
SUB. A	COMP.	"	220,105.5 958,935.6						
SUB. B	"	"	219,992.5 958,912.2						
COVE PT. LIGHT- HOUSE, 1848	P.C. 100	"	201,908.4 977,120.7						

MAP T-11793.

PROJECT NO. Ph-6008

SCALE OF MAP.....1:10,000.....

SCALE FACTOR

[illegible]

1 FT. = 3048006 METER
COMPUTED BY: 11

115

DATE.

Oct 1960

CHECKED BY: ETO

DATE Oct 1960

COMM-DC-57843

COMPILATION REPORT

31. DELINEATION

The Kelsh Plotter was used in delineation.

The field inspection was generally good. One area was labelled pond that appeared to be an open field and was mapped as such. Drainage was delineated in what appeared to be the bottom of the ravine because heavy tree coverage made it impossible to see the drain itself. This did not always agree with the field inspector but it was felt the location was better from the instrument. A drainage line inked on field photo 60-S-8578 in the swamp area of St. Leonard Creek at approximate Latitude $38^{\circ}27.5'$, Longitude $76^{\circ}30.5'$ could not be verified. The swamp vegetation covers the stream. It has, therefore, been omitted and the name placed in the swamp.

32. CONTROL

The primary and secondary control was adequate and placement was good.

33. SUPPLEMENTAL DATA

None was used.

34. CONTOURS AND DRAINAGE

Contours are inapplicable. Drainage was discussed under Item 31 (DELINEATION).

35. SHORELINE AND ALONGSHORE DETAILS

The manuscript was delineated according to field inspectors notes which appear to be complete and adequate.

36. OFFSHORE DETAILS

The only offshore detail is a fish trap that was located by sextant fixes. This trap is north and east of the map limit but is shown on the ADVANCE MANUSCRIPT.

37. LANDMARKS AND AIDS

A private light was located on a pier and is listed on an enclosed form 567. There are no landmarks.

14.

38. CONTROL FOR FUTURE SURVEYS

Two unmarked topographic stations were established and are listed under Item 49.

39. JUNCTIONS

Junction was made with T-11792 to the north. The manuscript is the northeast part of U.S.G.S. LEONARDTOWN quadrangle, 1:62,500 edition of 1939. The junction to the west and south appears satisfactory. Chesapeake Bay lies to the east and there is no contemporary survey.

40. HORIZONTAL AND VERTICAL ACCURACY

No statement.

46. COMPARISON WITH EXISTING MAPS

Comparison was made with U.S.G.S. quadrangle LEONARDTOWN, MD. 1:62,500, dated 1936, edition 1939 revised 1950. The comparison was favorable, except for some man made changes.

47. COMPARISON WITH NAUTICAL CHARTS

Comparison was made with USC&GS Chart No. 553, scale 1:40,000 dated Feb. 1954 (2nd edition) revised March 1960. The map mentioned under Item 46 is probably the source of topography for the chart and the same differences exist. It will be noted that the pier at Kenwood Beach is approximately 175 meters south of where it appears on Chart 553. (This may not be the same pier, although there is only one pier now at Kenwood Beach.)

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None.

ITEMS TO BE CARRIED FORWARD

None.

for *M. M. Slawny*
E. T. Ogilby
Cartographer (photo)

APPROVED AND FORWARDED:
V. Ralph Sobieralski
V. Ralph Sobieralski
Tampa District Officer

49. NOTES FOR THE HYDROGRAPHER

Two (2) stations have been located and listed as follows:

LIGHT, 1960 (Private aid on pier)

E. GABLE, 1960 (E'ly gable of the Cliff Hotel)

TIDE CORRELATION

U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

PROJECT NO. Ph. 6087-11793

Time and date of exposure 0949 23 July 1960 Reference station Baltimore Mean range 1.0
Date of field inspection 23 Oct 1960 Subordinate station Long Beach Ratio of ranges 0.5
HW = -0.1 L
LW = 0.0 L

	Time		Height feet	Height x Ratio of ranges	High tide at Ref. Sta. Time difference Corrected time at Subordinate station	Time	
	h.	m.				h.	m.
High tide	14	31	1.1	1.0	High tide at Ref. Sta.	18	45
Low tide	09	11	0.5	0.5	Time difference	- 4	14
Duration of rise or fall	5	20		0.5	Corrected time at Subordinate station	14	31

	h.	m.			feet		feet	Photo. No.
Time High or L. T.	09	11	Ht. H. T. or L. T.		0.5	Feature bares		6058580
Required time	09	49	Tabular correction		0.0	Stage of tide above MLW		
Interval		38	Stage of tide above MLW		0.5	Feature above MLW		
Time H. T. or L. T.			Ht. H. T. or L. T.			Feature bares		
Required time			Tabular correction			Stage of tide above MLW		
Interval			Stage of tide above MLW			Feature above MLW		
Time H. T. or L. T.			Ht. H. T. or L. T.			Feature bares		
Required time			Tabular correction			Stage of tide above MLW		
Interval			Stage of tide above MLW			Feature above MLW		
Time H. T. or L. T.			Ht. H. T. or L. T.			Feature bares		
Required time			Tabular correction			Stage of tide above MLW		
Interval			Stage of tide above MLW			Feature above MLW		
Time H. T. or L. T.			Ht. H. T. or L. T.			Feature bares		
Required time			Tabular correction			Stage of tide above MLW		
Interval			Stage of tide above MLW			Feature above MLW		

COMM-DC-57846

Computed by 115 Checked by EDP

50.

PHOTOGRAMMETRIC OFFICE REVIEW

T- 11793

1. Projection and grids IIS 2. Title IIS 3. Manuscript numbers IIS 4. Manuscript size IIS

4a Classification label Unclassified

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 XX 8. Bench marks XX 9. Plotting of sextant fixes IIS 10. Photogrammetric plot report W.O. 11. Detail points IIS

ALONGSHORE AREAS

(Nautical Chart Data)

12. Shoreline IIS 13. Low-water line XX 14. Rocks, shoals, etc. XX 15. Bridges XX 16. Aids to navigation IIS 17. Landmarks XX 18. Other alongshore physical features IIS 19. Other along-shore cultural features IIS

PHYSICAL FEATURES

20. Water features IIS 21. Natural ground cover IIS 22. Planetable contours XX 23. Stereoscopic instrument contours XX 24. Contours in general XX 25. Spot elevations XX 26. Other physical features IIS

CULTURAL FEATURES

27. Roads IIS 28. Buildings IIS 29. Railroads XX 30. Other cultural features IIS

BOUNDARIES

31. Boundary lines XX 32. Public land lines XX

MISCELLANEOUS

33. Geographic names IIS 34. Junctions IIS 35. Legibility of the manuscript IIS 36. Discrepancy overlay XX 37. Descriptive Report IIS 38. Field inspection photographs IIS 39. Forms IIS

40. I. I. Saperstein
Reviewer

M. M. Slawney
Supervisor, Review Section or Unit

41. Remarks (see attached sheet)

FIELD COMPLETION ADDITIONS AND CORRECTIONS TO THE MANUSCRIPT

42. Additions and corrections furnished by the field completion survey have been applied to the manuscript. The manuscript is now complete except as noted under item 43.

Compiler

Supervisor

43. Remarks:

Photogrammetric Review Branch

NONFLOATING AIDS OR LANDMARKS FOR CHARTS

TO BE CHARTED
TO BE REVISED
TO BE DELETED

STRIKE OUT TWO

Tampa, Florida
24 April 1961

I recommend that the following objects which have ~~(have not)~~ been inspected from seaward to determine their value as landmarks be charted on ~~(deleted from)~~ the charts indicated.

The positions given have been checked after listing by L. T. Ogilby

~~V. Ralph Sobleradski~~ *Chief of Party.*

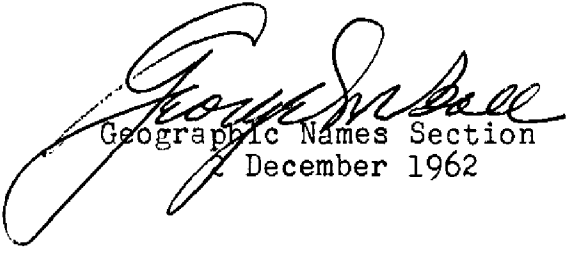
[illegible]

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.

* TABULATE SECONDS AND METERS

48. Geographic Names:

Chesapeake Bay
Governor Run
Island Creek
Island Creek (settlement)
Kenwood Beach
Mutual
St. Leonard
St. Leonard Creek


Geographic Names Section
2 December 1962

REVIEW REPORT
OF SHORELINE MANUSCRIPTS
T-11789 thru T-11793
February 1963

61. General Statement

This project PH-6008 consists of five (5) shoreline manuscripts. These maps were prepared for revision of our Nautical Charts and for source material for the completion of the reimbursable project for the Maryland Department of Tidewater Fisheries.

62. Comparison with Registered Topographic Surveys

T-2395	1903	1:20,000
T-2836	1907	1:20,000
T-2842	1907	1:20,000
T-2868	1908	1:20,000
T-5348	1935	1:10,000
T-6956 a&b	1944	1:10,000
T-6957 a&b	1944	1:10,000

Cultural and shoreline changes have been continuous. T-11789 thru T-11793 are to supersede the above listed surveys for common area for nautical charting.

63. Comparison with Maps of Other Agencies

North Beach Md.	1:24,000	U.S.G.S.	1953
Prince Frederick Md.	1:24,000	U.S.G.S.	1953
Leonardtown Md.	1:24,000	U.S.G.S.	1936-1950

These are minor shoreline and cultural changes due to the difference in survey dates.

64. Comparison with Contemporary Hydrographic Surveys

None

65. Comparison with Nautical Charts

551	1:40,000	May 1960
553	1:40,000	1954 revised to Mar. 1960

See Item 47

66. Accuracy of Results and future Surveys

Subject T-sheets ~~(a)~~ have been compiled according to instructions and meet the requirements of adequacy and accuracy.

Reviewed by:

Approved by:

Charles J. Lander
Chief, Cartographic Branch

J. E. Waugh 4/17/63
Chief, Photogrammetry Div.

L. C. Lander
L. C. Lander

James H. Taylor
Chief, Nautical Charts Division

Harold S. Connelley
Chief, Operations Division

