Original

12085

12085

Form 504

U. S. DEPARTMENT OF COMMERCE

COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT

Type of Survey SHORELINE

Field No. ..... Office No. T-12085

LOCALITY

State Maryland

General locality Worcester County

Locality Tanhouse Creek to Turpin Cove

1961-1963 62

CHIEF OF PARTY

Ray M. Sundean, Chief of Party
Miller J. Tonkel, Baltimore District Office

LIBRARY & ARCHIVES

DATE .....

USCOMM-DC 5087

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

U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT - DATA RECORD

T- 12085

PROJECT NO. (II):
PH-6103 (21039)

FIELD OFFICE (II):	CHIEF OF PARTY
Snow Hill, Maryland	Ray M. Sundean
PHOTOGRAMMETRIC OFFICE (III):	OFFICER-IN-CHARGE
Baltimore District Office	Miller J. Tonkel

INSTRUCTIONS DATED (II) (III):

II 20 November 1961
III 24 October 1962
26 July 1963 - Amendment I

METHOD OF COMPILATION (III):
Kelsh Plotter

MANUSCRIPT SCALE (III):	STEREOSCOPIC PLOTTING INSTRUMENT SCALE (III):
1:10,000	Pantograph 1:6,000
DATE RECEIVED IN WASHINGTON OFFICE (IV):	DATE REPORTED TO NAUTICAL CHART BRANCH (IV):
APPLIED TO CHART NO.	DATE: / DATE REGISTERED (IV):

GEOGRAPHIC DATUM (III):	VERTICAL DATUM (III): MHW EXCEPT AS FOLLOWS:
N. A. 1927	*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):
RICKS (MD) 1907

LAT.:	LONG.:	
38° 09' 50.289"	75° 15' 51.584"	[X] ADJUSTED [ ] UNADJUSTED

PLANE COORDINATES (IV):	STATE	ZONE
Y = 125,154.39 ft. X = 1,299,037.32 ft.	Maryland	

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.

USCOMM-DC 16276A-P61

FORM C&GS-181b
(3-66)

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

DESCRIPTIVE REPORT - DATA RECORD

FIELD INSPECTION BY (II):	DATE:
Jerome E. Tolodziecki	Jan-Feb 1962

MEAN HIGH WATER LOCATION (III) (STATE DATE AND METHOD OF LOCATION):

MHWL located by Kelsh instrument using field inspection photographs.

PROJECTION AND GRIDS RULED BY (IV): A. E. Roundtree	DATE 8-30-62
PROJECTION AND GRIDS CHECKED BY (IV): I. Y. Fitzgerald	DATE 9-10-62
CONTROL PLOTTED BY (III): L. A. Senasack	DATE 4-3-63
CONTROL CHECKED BY (III): L. O. Neterer	DATE 4-3-63
RADIAL PLOT OR STEREOSCOPIC CONTROL EXTENSION BY (III): H. P. Eichert - Washington Aerotriangulation	DATE 3-22-63
STEREOSCOPIC INSTRUMENT COMPILATION (III): PLANIMETRY J. D. McEvoy	DATE 4-18-63
CONTOURS	DATE
MANUSCRIPT DELINEATED BY (III): R. F. Carr	DATE 5-2-63
SCRIBING BY (III): J. Cregan	DATE 5-6-63
PHOTOGRAMMETRIC OFFICE REVIEW BY (III): E. L. Rolle	DATE 5-6-63

REMARKS:

USCOMM-DC 36393-P66

FORM C&GS-181c
(3-66)

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

DESCRIPTIVE REPORT - DATA RECORD

CAMERA (KIND OR SOURCE) (III):

PHOTOGRAPHS (III)

NUMBER	DATE	TIME	SCALE	STAGE OF TIDE
61-S-9059 thru 9062	24 May 1961	0833	1:30,000	0.4 ft. above MLW

TIDE (III)

	RATIO OF RANGES	MEAN RANGE	SPRING RANGE
REFERENCE STATION: Sandy Hook New Jersey		4.6	5.6
SUBORDINATE STATION: Snow Hill Landing, Maryland	0.09	0.4	0.5
SUBORDINATE STATION:			

WASHINGTON OFFICE REVIEW BY (IV): Leo F. Beugnet, Atlantic Marine Center — DATE: November 1966

PROOF EDIT BY (IV): — DATE:

NUMBER OF TRIANGULATION STATIONS SEARCHED FOR (II): 4	RECOVERED: 3	IDENTIFIED: 1	
NUMBER OF BM(S) SEARCHED FOR (II): 0	RECOVERED: 0	IDENTIFIED 0	

NUMBER OF RECOVERABLE PHOTO STATIONS ESTABLISHED (III): 1

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

REMARKS:

COMPILATION RECORD	COMPLETION DATE	REMARKS
May	1963	

CHINCOTEAGUE BAY

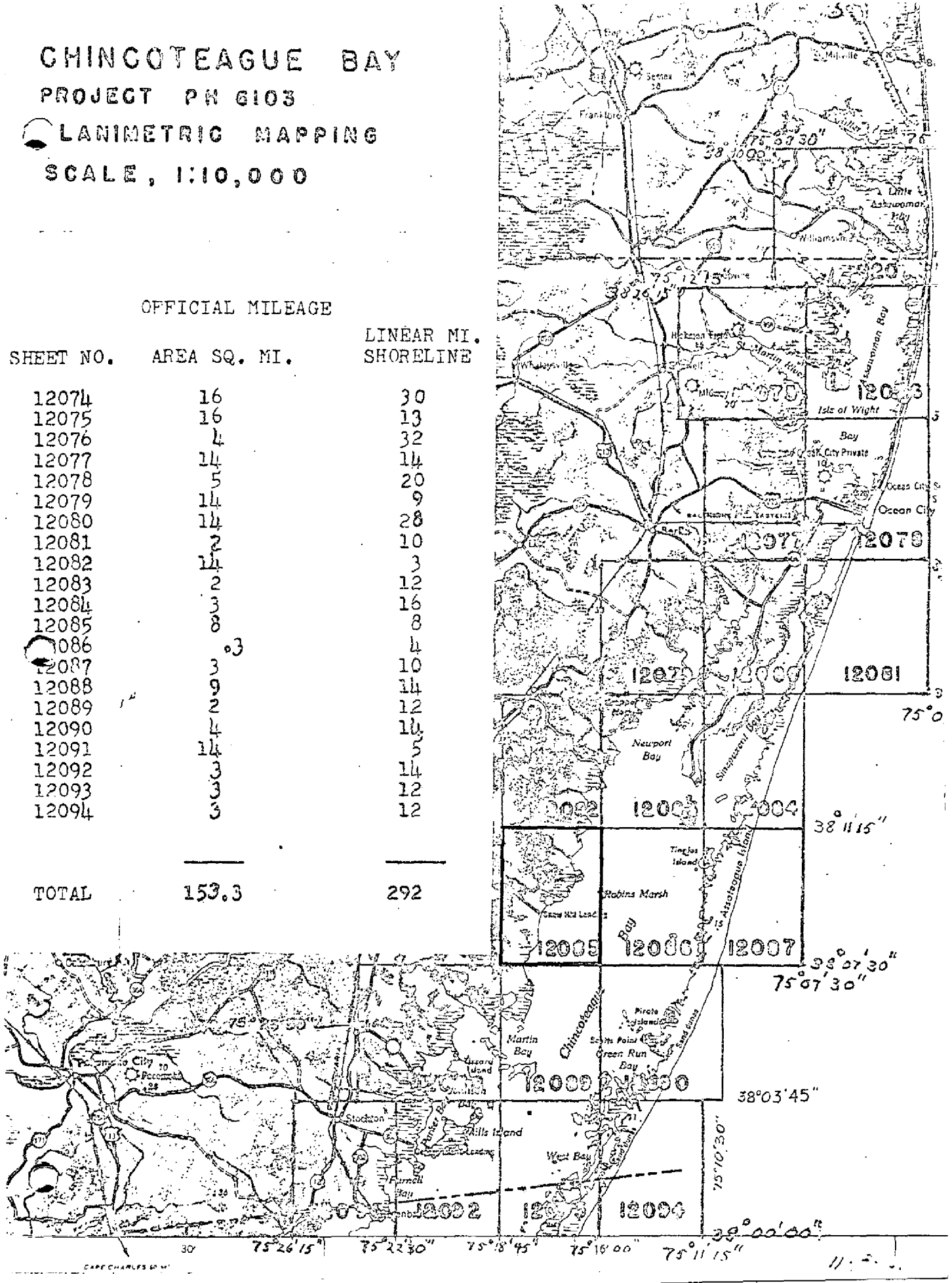
PROJECT PH 6103

PLANIMETRIC MAPPING

SCALE, 1:10,000

OFFICIAL MILEAGE

SHEET NO.	AREA SQ. MI.	LINEAR MI. SHORELINE
12074	16	30
12075	16	13
12076	4	32
12077	14	14
12078	5	20
12079	14	9
12080	14	28
12081	2	10
12082	14	3
12083	2	12
12084	3	16
12085	8	8
12086	.3	4
12087	3	10
12088	9	14
12089	2	12
12090	4	14
12091	14	5
12092	3	14
12093	3	12
12094	3	12
TOTAL	153.3	292



SUMMARY TO ACCOMPANY
DESCRIPTIVE REPORT T-12085

Shoreline survey T-12085 covers a part of the west shore of Chincoteague Bay, Maryland. It is one of twenty-one similar maps in project PH-6103. The primary purpose of the project was to provide new shoreline for nautical charts and special charts for the State of Maryland, Department of Tidewater Fisheries.

Field operations preceding compilation included recovery and identification of horizontal control, field and shoreline inspection, selection of landmarks for charts and location of fixed aids to navigation.

Kelsh compilation was at 1:10,000 scale using panchromatic photography obtained May 24, 1961 at 1:30,000 scale. The manuscript is a vinylite sheet which was scribed and reproduced on cronaflex. One cronar positive and one cronar negative are provided for record and registry.

FIELD INSPECTION REPORT

MAPS T-12085, T-12086, T-12088
T-12089, T-12091, and T-12092

PROJECT PH-6103
CHINCOTEAGUE BAY, MARYLAND

2. Areal Field Inspection

The area covered by these six maps is located on the western and northern sides of Chincoteague Bay. The maps of the Barrier Islands were purposely excluded at this time because of revision 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.

Chincoteague Bay is generally shoal with the major small boat channels marked by aids. The bay is chiefly used by small pleasure boats and shallow-draft vessels operated by commercial crab and oyster 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 cut-in from triangulation stations.

The quality of the photographs was fair. The aids on maps T-12088, T-12089, 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. Horizontal Control

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 LAWRENCE, 1958 was substituted for station HOLSTON, 1942 which could not be recovered.

3. Horizontal Control Cont'd

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

T-12085
ROBINS MARSH 1933

T-12086
NONE

T-12088
NONE

T-12091
MONEY 1907
PURNELL (VFC) 1933
GREENBACKVILLE, GRACE
M. E. CHURCH, 1907

T-12092
LONG (VFC) 1933
LONG POINT 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

Drainage consists of small creeks and systems of mosquito 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. Nearly 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. Due to the flooding of the marsh areas the storm had no effect on the shoreline on the west side of Chincoteague Bay.

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 Wildlife 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 topographic stations were searched for and two were recovered.

BEVENS WINDMILL (T-12085), and C-58 (T-12088), were recovered. BAY (T-12089) and PUR (T-12092) were not recovered. Forms 524 have been submitted on all these stations.

The recovered topographic stations were reidentified 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 sextant 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 roads 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 Cont'd

There are no airports or landing fields within this area.

13. Geographic Names

A special report on geographic names 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 PH-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

Ray M. Sundean
Chief, Photo Party 723

Field inspection notes for this survey appear on the following photographs:

61-S-9059 thru 9061

FORM 164
(4-23-54)

U.S. DEPARTMENT OF COMMERCE
DESCRIPTIVE REPORT

COAST AND GEODETIC SURVEY
CONTROL RECORD

MAP T- 12085 PROJECT NO. PH-6103 SCALE OF MAP 1:10,000 SCALE FACTOR

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	~~MAXIMUM~~ y-COORDINATE ~~MINIMUM~~ x-COORDINATE	DISTANCE FROM GRID IN FEET. OR PROJECTION LINE IN METERS FORWARD (BACK)	DATUM CORRECTION	N.A. 1927 - DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS FORWARD (BACK)	FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS FORWARD (BACK)
RICKS(MD) 1907	pg.188	NA 1927	125,154.39 1,299,037.32				
GUILBERTS CUPOLA 1907	pg. 5	"	119,703.93 1,292,500.42				

1 FT. = .3048006 METER

COMPUTED BY: LAS DATE November 8, 1962 CHECKED BY: ELR DATE November 15, 1962

COMM-DC-57843

PHOTOGRAMMETRIC PLOT REPORT
T-12085

Please refer to the Photogrammetric Plot Report bound with the Descriptive Report for T-12074 for data pertaining to this survey.

31. DELINEATION

The Kelsh plotter was used to delineate the manuscript with the aid of the field inspection photographs. The field inspection was adequate and no difficulties were encountered during compilation.

32. CONTROL

Control for setting of the Kelsh models consisted of pass points established by aerotriangulation. The density and placement of this control was adequate.

33. SUPPLEMENTAL DATA

None.

34. CONTOURS AND DRAINAGE

Contours: Inapplicable

The drainage was through streams in the tidal marshes and was delineated in accordance with field inspection notes.

35. SHORELINE

The shoreline inspection was adequate and delineation was done in accordance with field inspection notes. All alongshore details, such as piers, piles etc., indicated by the field inspector have been shown.

36. OFFSHORE DETAIL

No offshore detail requiring investigation by a future survey in the area were noted during compilation.

37. LANDMARKS AND AIDS

There are no landmarks for charts or fixed aids to navigation within the limits of this survey.

38. CONTROL FOR FUTURE SURVEYS

No control for future surveys was established.

39. JUNCTIONS

Satisfactory junctions were made with T-12082 to the north; with T-12086 to the east and with T-12089 to the south. There is no contemporary survey to the west.

40. HORIZONTAL AND VERTICAL ACCURACY

No accuracy test were conducted.

46. COMPARISON WITH EXISTING MAPS

Comparison was made with a copy of AMS WESLEY, MARYLAND quadrangle, 1:25,000 scale, edition of 1950. The two surveys are in good agreement.

47. COMPARISON WITH NAUTICAL CHARTS

Comparison was made with chart 1220, 1:80,000 scale. The chart and manuscript are in good agreement.

ITEMS TO BE APPLIED TO CHARTS IMMEDIATELY

None.

ITEMS TO BE CARRIED FORWARD

None.

Submitted:

Joseph Steinberg
For: E. L. Rolle
Cartographer (Photo)

Approved and Forwarded:

J. Bull
J. Bull
Director, Atlantic Marine Center

48. GEOGRAPHIC NAMES LIST

The geographic names that appear on this map were furnished by the Washington Office on a copy of AMS WESLEY, MARYLAND quadrangle, 1950 edition.

CHINCOTEAGUE BAY

COTTER COVE

COTTER CREEK

FAIRFIELD LANDING

PAWPAW CREEK

PETERS POND

PETERS POND LANDING

PUBLIC LANDING

RICKS POINT

ROBINS CREEK

ROBINS MARSH

SCARBORO CREEK

SNOW HILL MARINA

STAGG CREEK

TANHOUSE CREEK

TURPIN COVE

49. NOTES TO THE HYDROGRAPHER

There are no contemporary hydrographic surveys in the area of this map.

C&GS FORM 1002
(11-13-61)

U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

PHOTOGRAMMETRIC OFFICE REVIEW

50 T-10363 12085

1. PROJECTION AND GRIDS	2. TITLE	3. MANUSCRIPT NUMBERS	4. MANUSCRIPT SIZE
ELR	ELR	ELR	ELR

CONTROL STATIONS

5. HORIZONTAL CONTROL STATIONS OF THIRD-ORDER OR HIGHER ACCURACY	6. RECOVERABLE HORIZONTAL STATIONS OF LESS THAN THIRD-ORDER ACCURACY (Topographic stations)	7. PHOTO HYDRO STATIONS
ELR	ELR	ELR

8. BENCH MARKS	9. PLOTTING OF SEXTANT FIXES	10. PHOTOGRAMMETRIC PLOT REPORT	11. DETAIL POINTS
None	None	ELR	ELR

ALONGSHORE AREAS *(Nautical Chart Data)*

12. SHORELINE	13. LOW-WATER LINE	14. ROCKS, SHOALS, ETC.	15. BRIDGES
ELR	ELR	None	ELR

16. AIDS TO NAVIGATION	17. LANDMARKS	18. OTHER ALONGSHORE PHYSICAL FEATURES	19. OTHER ALONGSHORE CULTURAL FEATURES
None	None	ELR	ELR

PHYSICAL FEATURES

20. WATER FEATURES	21. NATURAL GROUND COVER	22. PLANETABLE CONTOURS
ELR	ELR	None

23. STEREOSCOPIC INSTRUMENT CONTOURS	24. CONTOURS IN GENERAL	25. SPOT ELEVATIONS	26. OTHER PHYSICAL FEATURES
None	None	None	ELR

CULTURAL FEATURES

27. ROADS	28. BUILDINGS	29. RAILROADS	30. OTHER CULTURAL FEATURES
ELR	ELR	None	ELR

BOUNDARIES

31. BOUNDARY LINES	32. PUBLIC LAND LINES
None	None

MISCELLANEOUS

33. GEOGRAPHIC NAMES	34. JUNCTIONS	35. LEGIBILITY OF THE MANUSCRIPT
ELR	ELR	ELR

36. DISCREPANCY OVERLAY	37. DESCRIPTIVE REPORT	38. FIELD INSPECTION PHOTOGRAPHS	39. FORMS
ELR	ELR	ELR	ELR

40. REVIEWER	SUPERVISOR, REVIEW SECTION OR UNIT
Joseph Steinberg For: E. L. Rolle	Joseph Steinberg

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

FIELD EDIT REPORT
T-12085

This survey was not field edited.

REVIEW REPORT T-12085
SHORELINE
November 30, 1966

61. GENERAL STATEMENT

See Summary accompanying Descriptive Report.

62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS

Comparison was made with Registered Survey T-8129, 1:20,000 scale made in 1941-1942. There appears to be a slight change in the position of the shoreline as determined by the two surveys. This is believed to be caused by the difference in the method of compilation, difference in interpretation of photography and the fact that an overhead projector was used to enlarge the 1:20,000 scale survey for comparison purposes. The comparison of the two surveys has been shown on the comparison print. (Comparison Print discarded - of no permanent value) AHH

Survey T-12085 supersedes the older survey and should be used for nautical chart construction purposes.

63. COMPARISON WITH MAPS OF OTHER AGENCIES

Comparison was made with USGS WESLEY, MD. quadrangle, 1:24,000 scale, edition of 1942. This is the civil edition of Registered survey T-8129 and the same differences that apply with that survey also apply to the USGS edition.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS

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

65. COMPARISON WITH NAUTICAL CHARTS

Comparison was made with nautical chart 1220, 1:80,000 scale, 13th edition October 17, 1966. The following differences were noted:

The area near latitude 38°08' longitude 75°18' (Snow Hill Marina) is not completely delineated on the chart.

A small area near latitude 38°11' longitude 75°16' (Peters Pond) is not completely delineated on the chart.

Two fixed aids to navigation at the entrance to Tanhouse Creek near latitude 38° 07.8' longitude 75° 17.6' are shown on the chart. These aids were not in position at the time of field work for this survey.

66. ADEQUACY OF RESULTS AND FUTURE SURVEYS

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

Future surveys should locate the two fixed aids to navigation at the entrance to Tanhouse Creek.

Reviewed by:

Leo F. Beugnet

Leo F. Beugnet

Approved by:

J. Bull by HOR

J. Bull
Director, Atlantic Marine Center

Approved by:

Charles Lemmon

Chief, Photogrammetric Branch

Jack E. Guth

Chief, Photogrammetry Division

Chief, Nautical Chart Division

NOTES TO THE VERIFIER

There are no contemporary hydrographic in this area.
The following photographs were examined during final review.

61-S-9059 thru 9062

63-W-3380 thru 3382