

# 11238

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Diag. Cht. No. 78-4.

Form 504

U. S. DEPARTMENT OF COMMERCE  
COAST AND GEODETIC SURVEY

## DESCRIPTIVE REPORT

Type of Survey PlanimetricField No. Ph-119 Office No. T-11238

## LOCALITY

State VirginiaGeneral locality Chesapeake BayLocality Craddock Creek1953-55

## CHIEF OF PARTY

E.H.Kirsch, Chief of Field PartyJ. C. Sammons, Chief of Field PartyE.H.Kirsch, Chief of Field Party

LIBRARY &amp; ARCHIVES

DATE September 1961

USCOMM-DC 5087

11238

DESCRIPTIVE REPORT - DATA RECORD

①

T- 11238

25050  
Project No. (II): ~~(6119)~~  
PH-119

Quadrangle Name (IV):

Field Office (II): Exmore, Virginia

J. C. Sammons,  
Chief of Party: E. H. Kirsch

Photogrammetric Office (III): Baltimore, Maryland

Officer-in-Charge: E. H. Kirsch

Instructions dated (II) (III): 2 July 1953  
15 February 1956

Copy filed in Division of  
Photogrammetry (IV)

Method of Compilation (III): Graphic

Manuscript Scale (III): 1:10,000

Stereoscopic Plotting Instrument Scale (III):

Scale Factor (III): 1.000

Date received in Washington Office (IV): 1-24-57 Date reported to Nautical Chart Branch (IV):

Applied to Chart No.

Date:

Date registered (IV):

7/21/61

Publication Scale (IV):

Publication date (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): MASON, 1942

Lat.: 37° 36' 38.574" (1189.2m) Long.: 75° 52' 16.237" (398.2m)

Adjusted  
~~Unadjusted~~

Plane Coordinates (IV):

State: Virginia

Zone:

South

Y=

X=

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.

[illegible]

COMM-DC-57842

DESCRIPTIVE REPORT - DATA RECORD

Field Inspection by (II): Richard L. McGlinchey  
Carto. Sur. Aid

Date: October 1953

Planetable contouring by (II):

Date:

Completion Surveys by (II):

Date:

Mean High Water Location (III) (State date and method of location): 1955, date of photography  
field inspection on 1953 photographs.

Projection and Grids ruled by (IV): A. Riley

Date: 1/29/54

Projection and Grids checked by (IV): A. Riley

Date: 2/2/54

Control plotted by (III): J. J. Schleupner

Date: 4/26/55

Control checked by (III): J. Steinberg

Date: 4/26/55

Radial Plot of Stereoscopic ~~Control~~ E. L. Williams  
~~Control~~ by (III):

Date: 4/17/56

Stereoscopic Instrument compilation (III):  
Planimetry

Date:

Contours

Date:

Manuscript delineated by (III): R. M. Whitson

Date: 6/20/56

Photogrammetric Office Review by (III): R. Glaser

Date: 7/5/56

Elevations on Manuscript  
checked by (II) (III):

Date:

## DESCRIPTIVE REPORT - DATA RECORD

Camera (kind or source) (III): USC&amp;GS nine-lens &amp; single lens "W"

(4)

## PHOTOGRAPHS (III)

Number	Date	Time	Scale	Stage of Tide
55-W-4348 & 4349	3/10/55	1414	1:10,000	1.1' above MLW
55-W-4393 thru 4396	3/10/55	1436	"	0.9' above MLW
40330 and 40331	5/29/53	0919	"	1.3' above MLW

Tide (III)  
From Predicted Tide Tables

Reference Station: Hampton Roads, Va.  
Subordinate Station: Occohannock Creek  
Subordinate Station:

Ratio of Ranges	Mean Range	Spring Range
	2.5	3.0
0.7	1.8	2.2

Washington Office Review by (IV): S.G. BLANKENBAKER

Date: May, 1961

Final Drafting by (IV): BALTIMORE OFFICE

Date: 1956

Drafting verified for reproduction by (IV): S.G. BLANKENBAKER

Date: May, 1961

Proof Edit by (IV): S.G. BLANKENBAKER

Date: July, 1961

Land Area (Sq. Statute Miles) (III):  $9\frac{1}{2}$  sq. miles

Shoreline (More than 200 meters to opposite shore) (III): 183 miles

Shoreline (Less than 200 meters to opposite shore) (III): 7.7 miles

Control Leveling - Miles (II):

Number of Triangulation Stations searched for (II): 1

Recovered: 0

Identified: 0

Number of BMs searched for (II): 3

Recovered: 3

Identified: 3

Number of Recoverable Photo Stations established (III): 4\*

Number of Temporary Photo Hydro Stations established (III): 3

Number of Recoverable topographic stations searched for: 12

Recovered: 5

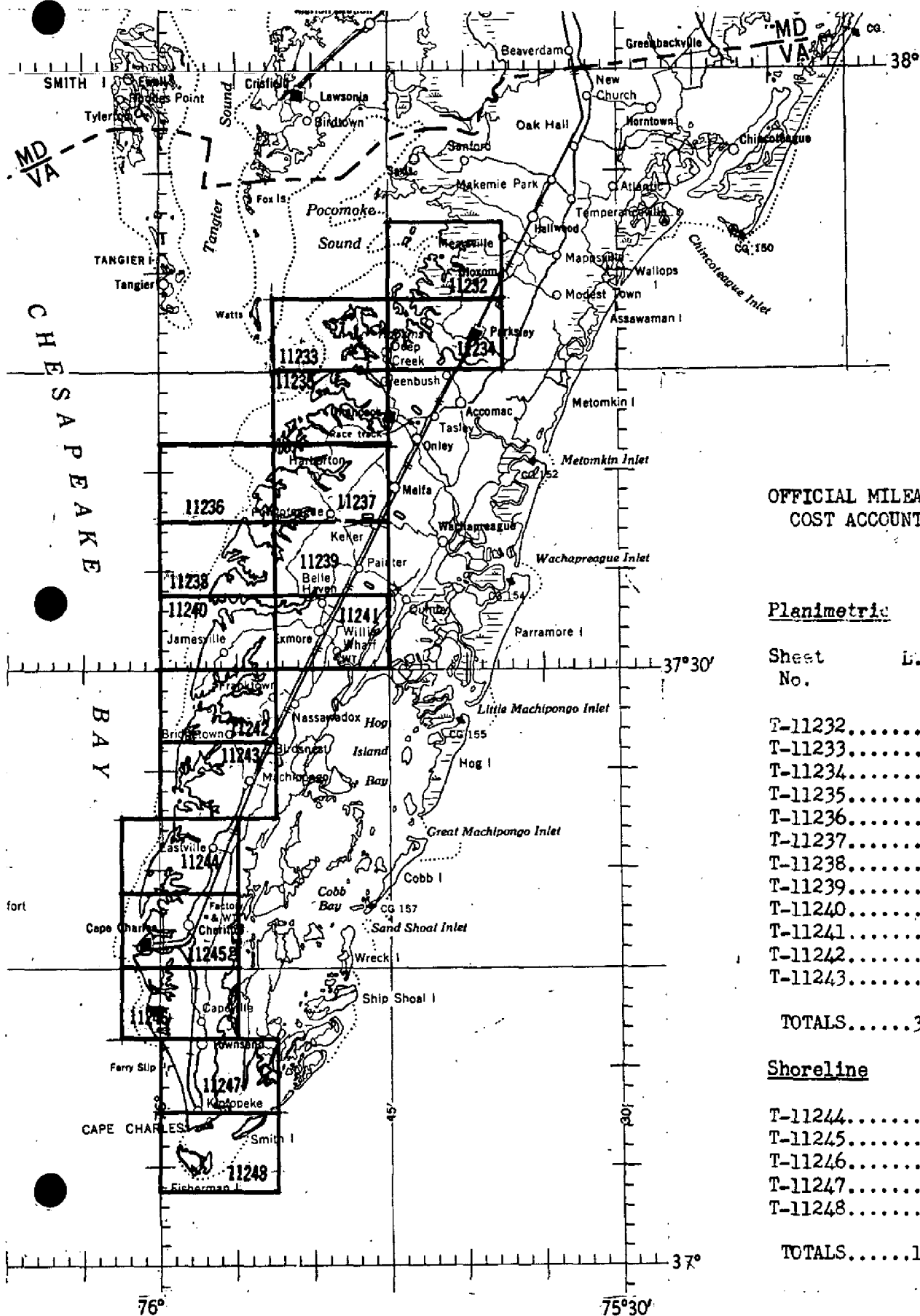
Remarks:

\*This total includes one AZ. MK and one T.B.M.



# PLANIMETRIC and SHORELINE MAPPING PROJECT PH-119

## CAPE CHARLES TO POCOMOKE SOUND, VIRGINIA (5)



### OFFICIAL MILEAGE FOR COST ACCOUNTS

#### Planimetric

Sheet No.	L.M.S.	Sq. Miles
T-11232.....	32.....	18
T-11233.....	30.....	7
T-11234.....	20.....	26
T-11235.....	38.....	17
T-11236.....	8.....	2
T-11237.....	21.....	25
T-11238.....	25.....	9
T-11239.....	4.....	27
T-11240.....	27.....	15
T-11241.....	27.....	26
T-11242.....	39.....	19
T-11243.....	32.....	22
TOTALS.....	303.....	213

#### Shoreline

T-11244.....	20.....	8
T-11245.....	30.....	5
T-11246.....	27.....	5
T-11247.....	37.....	10
T-11248.....	16.....	4
TOTALS.....	130.....	32

(6)

SUMMARY TO ACCOMPANY DESCRIPTIVE REPORT

T-11238 is one of seventeen 1:10,000 scale maps in Project PH-119. The project covers the eastern shore of the Chesapeake Bay in Virginia from Densley Bay (Lat. 37° 52' 45") southerly to Cape Charles (Lat. 37° 03' 45").

The project is subdivided into two sections. Section "A" comprised of planimetric surveys T-11232 to T-11243 covers the northern part of the project. Section "B" is comprised of shoreline surveys T-11244 through T-11248.

The principal purpose of the project was to provide shoreline and control for hydrographic surveys. In addition, contour revisions were required in section "A" for the purpose of revising Bureau War Mapping Quadrangles produced for the War Department (1943). In checking contours during field inspection no changes were found over the entire area that warranted changing the original contours.

Field work was accomplished in 1953. Radial plotting and graphic compilation were accomplished in the Baltimore Office. Nine-lens photographs taken in 1953 were used in radial plotting. The nine-lens photographs and single-lens photographs taken in 1955 were used in compilation.

Maps T-11232 through T-11237 were field edited in 1956. The remainder of the maps in the project will be registered as correct to the date of field inspection (1953).

A crenarflex positive of advance manuscript T-11238 was furnished the hydrographic survey party prior to sounding. Items registered under T-11238 will include a Descriptive Report and a positive impression on crenar of the scribed copy of the manuscript.

7

COMPILATION REPORT  
T-11238

The Field Inspection Report and the Photogrammetric Plot Report are part of the Descriptive Report for survey T-11239.

31. DELINEATION

This manuscript was delineated by graphic methods.

1955 single lens ratioed photographs were used for delineation.

32. CONTROL

Refer to Photogrammetric Plot Report.

33. SUPPLEMENTAL DATA

The A.M.S. Jamesville Quadrangle was used for Geographic Names.

34. CONTOURS AND DRAINAGE

Contours: Inapplicable.

Drainage: No comment.

35. SHORELINE AND ALONGSHORE DETAILS

The shoreline inspection was considered adequate in a broad sense. Many refinements were made, however, after stereoscopic study of the 1955 single lens photographs which had much better definition.

No attempt was made to interpret the low water line.

Limits of shallow areas appearing on the manuscript were delineated by office interpretation.

36. OFFSHORE DETAILS

No comment.

37. LANDMARKS AND AIDS

Form 567 has been submitted for two non-floating aids.



38. CONTROL FOR FUTURE SURVEYS

Three photo-hydro stations were located on this manuscript.

Forms 524 are being submitted for four recoverable topographic stations established, five recovered, and seven lost.

39. JUNCTIONS

Junctions have been made with surveys T-11236 to the north, T-11230 to the east, and T-11240 to the south.

There is no contemporary survey to the west.

40. HORIZONTAL AND VERTICAL ACCURACY

Refer to the Photogrammetric Plot Report.

41-45

Inapplicable.

46. COMPARISON WITH EXISTING MAPS

Comparison was made with A.M.S. Jamesville Quadrangle, scale 1:25,000 edition of 1947, which was based on Bureau Survey T-8171 (1942) scale 1:20,000.

Comparison was also made with Bureau Survey T-8013 (1949), scale 1:10,000.

47. COMPARISON WITH NAUTICAL CHARTS

Chart 1223, scale 1:80,000, published July 1943, corrected to 8/23/54.


Items to be applied to nautical charts immediately: None.

Items to be carried forward: None.

Respectfully submitted  
22 June 1956

  
Ruth M. Whitson  
Carto. Photo. Aid

Approved and forwarded

  
E. H. Kirsch,  
Capt. C&GS  
Baltimore District Officer

T-11238

49. NOTES FOR THE HYDROGRAPHER

The following are the photo-hydro stations located on this manuscript:

ABBY - Photograph	40330	N Gable, Black Shack
BARN - "	40330	S Gable, Large Barn
GABE - "	40330	N Gable, 2 story house

The following are the recoverable topographic stations located on this manuscript:

CHUM, 1953 \* ←  
DART, 1953 \* ←  
PEP, (1942) 1953 ←  
RAY, (1948) 1953 ←  
VAM, (1942) 1953 ←  
VIM, (1942) 1953 ←  
WEST AZ MARK, (1942) 1953 ←  
WOW, (1942) 1953 \* ←  
T.B.M. 5, (1948) 1953 ←

Investigate possibility of piling (remains of demolished wharf) below the M.H.W. line in the area of Cedar View Wharf.

Investigate the existence of a duck blind (one of two) appearing on the field inspection photograph 40331, immediately south of Milbys Point.

# PHOTOGRAMMETRIC OFFICE REVIEW

T-11238

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

## CONTROL STATIONS

4a. Classification label ☒

5. Horizontal control stations of third-order or higher accuracy None 6. Recoverable horizontal stations of less than third-order accuracy (topographic stations) ☒ 7. Photo hydro stations ☒ 8. Bench marks ☒  
9. Plotting of <sup>theod. cuts</sup> ~~extant lines~~ ☒ 10. Photogrammetric plot report ☒ 11. Detail points ☒

## ALONGSHORE AREAS

(Nautical Chart Data)

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

## PHYSICAL FEATURES

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

## CULTURAL FEATURES

27. Roads ☒ 28. Buildings ☒ 29. Railroads ☒ 30. Other cultural features ☒

## BOUNDARIES

31. Boundary lines ☒ 32. Public land lines ☒

## MISCELLANEOUS

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

40. R. Glaser Reviewer 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:

GEOGRAPHIC NAME LIST

Back Creek

Cedar View

\*Chesapeake Bay

Craddock Creek

Craddock Neck

\*Curratuck Creek

Hyslop Marsh

Monadox Point

Nandua Creek

\*Sandy Point

Scarborough Neck

\* B.G.N. Decision

*George D. Bane*  
GEOGRAPHIC NAMES SECTION

19 SEPTEMBER 1960



REVIEW REPORT  
PLANIMETRIC SURVEY T-11238  
May 1961

61. General Statement

A horizontal accuracy check was made in 1961 of mapped details of a part of each of four maps (T-11236; T-11237; T-11238; T-11239) of this project. The test area was Nandua Creek and vicinity. Map details common to the subject project manuscripts and T-8013 (1949) were used as check points by the field party. The 1949 survey was a special graphic compilation accomplished for the purpose of providing shoreline of Nandua Creek for contemporary Hydrographic Survey No. 7680 (1949). Graphic Control Survey T-7106 (1949) provided most of the control for the radial plot for T-8013.

The four maps in project Ph-119 meet Bureau accuracy requirements. ~~T-8013 does not meet the requirements.~~ Test survey data is included in the Project Completion Report (PH-119).

62. Comparison with Registered Topographic Surveys

307	1:20,000	1850	9106	1:10,000	1948
2654	"	1903-04	8013	"	1949
2663	"	1904	8171	1:20,000	1943

T-11238 supersedes the prior Bureau surveys for nautical charting purposes in common areas.

63. Comparison with Maps of Other Agencies

Jamesville, Va.	AMS	1:25,000	1942
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The quadrangle was based on Bureau Survey T-8169 (1942) in the common area. The quadrangle and this planimetric survey are in good agreement overall in horizontal position of common details.

There are discrepancies between the surveys of as much as 20 meters in the position of recoverable topographic stations. The positions established by T-11238 are considered more reliable due to the larger scale of photography and larger compilation scale.

#### 64. Comparison with Contemporary Hydrographic Surveys

H-8446                      1957-58                      1:10,000

The hydrographic survey smooth sheet was not in the Washington office at the time of the final review of T-11238. T-11238 was compared with the negative of H-8446.

The shoreline transferred from a blue-line print of T-11238 to the boat sheet prior to sounding was accepted for the smooth sheet. No changes affecting the hydrographic survey were made during the final review of T-11238.

H-8447                      1958                      1:10,000

Hydrographic survey boat sheet shoreline was transferred from a blue-line print of Advance Manuscript T-11238 in the common area. One change was made in T-11238 shoreline by the hydrographic survey party as the result of a natural shoreline change that occurred during the elapsed time between the surveys (Lat.  $37^{\circ}-35.8'$  Long.  $75^{\circ} 55.5'$ ). Fish stakes (Lat.  $37^{\circ}-36'$  Long.  $75^{\circ} 55.6'$  and Lat.  $37^{\circ} 34.6'$  - Long.  $75^{\circ} -56.1'$ ) no longer existing at the time of the hydrographic survey were removed from T-11238 during final review.

H-7680                      1949                      1:10,000

Refer to side heading 61 of this report.

#### 65. Comparison with Nautical Charts

There are no important differences between T-11238 and the chart.

#### 66. Adequacy of Results and Future Surveys

This map was not field edited. The area of the map is low with few drainage features. Most of the interior drainage (consisting largely of relatively unimportant drainage ditches) in wooded and swamp areas was compiled through office interpretation of the photographs. A few minor changes could result from a field check of the drainage features. A field edit of this sheet is not warranted. With the possible exception of drainage features in wooded areas this map meets the National Standards of Map Accuracy and Bureau Requirements.

Reviewed by:

S. G. Blankinbaker

Approved by:

R. C. Landy  
Chief, Review & Drafting Sec.  
Photogrammetry Division

J. E. Waugh  
Chief, Nautical Chart  
Division 10/5/61

L. F. Woodcock  
Asst. Chief, Photogrammetry Div.

J. Bowie  
Chief, Operations Div.



# NONFLOATING AIDS OR ~~LANDMARKS~~ FOR CHARTS

TO BE CHARTED  
TENTH

**STRIKE OUT ONE**

Baltimore, Maryland

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

The positions given have been checked after listing by R. Glaser

E. H. Kirsch

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. 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



## NAUTICAL CHARTS BRANCH

SURVEY NO. T-11238

### Record of Application to Charts

[illegible]

M-2168-1

A basic hydrographic or topographic survey supersedes all information of like nature on the uncorrected chart. Give reasons for deviations, if any, from recommendations made under "Comparison with Charts" in the Review.