

Original

8314

Diag'd. on Dig. Ch. No. 7B-3.

8314

Form 504	
U. S. COAST AND GEODETIC SURVEY	
DEPARTMENT OF COMMERCE	
DESCRIPTIVE REPORT	
Type of Survey <u>Air Photographic Topographic</u>	
Field No. _____	Office No. <u>T-8314</u>
LOCALITY	
State <u>Virginia</u>	
General locality <u>Chesapeake Bay and Back River</u>	
<u>Hampton,</u>	
Locality <u>Fort Monroe and Buckroe Beach</u>	
<u>1944</u>	
CHIEF OF PARTY <u>F.L. Gallen</u> <u>Fred. L. Peacock</u>	
LIBRARY & ARCHIVES	
DATE _____	

DATA RECORD

T- 8314

Quadrangle (II): 7½ minute

Project No. (II): C.S. 289

Field Office: Suffolk, Va.

Chief of Party: F. L. Gallen

Compilation Office: Baltimore, Md.

Chief of Party: Fred. L. Peacock

Instructions dated (II III):
Mar. 13, Oct. 20, and Nov. 25, 1943
Jan. 18, 1944

Copy filed in Descriptive
Report No. T- (VI)

Completed survey received in office: 5/19/44

Reported to Nautical Chart Section: 5/20/44

Reviewed: 6/14/44

Applied to chart No.

Date:

Redrafting Completed: 6/21/44

Registered: 7/46

Published: 1944

Compilation Scale: 1:20,000

Published Scale: 1:25,000

Scale Factor (III): None

Geographic Datum (III): N. A. 1927

Datum Plane (III): Mean Sea Level

Reference Station (III): ~~AIRVILLE, 1941~~ RUGGLES, 1939

Lat.: ~~37° 03' 51.039" (1573.4m)~~ Long.: ~~76° 20' 17.561" (433.8m)~~ Adjusted
37° 01' 09.878 (302.6m) 76° 17' 52.836 (1306.1m) Unadjusted

State Plane Coordinates (VI):

X =

Y =

Military Grid Zone (VI)

"A"

Harbor Defense Grid

PHOTOGRAPHS (III)

<u>Number</u>	<u>Date</u>	<u>Time</u>	<u>Scale</u>	<u>Stage of Tide</u>
12583 to 12586 Inc.	11/28/42	12:13 P.M.	1:20,000	2.05 ft. above M.L.W.
12628 (8)	11/28/42	1:40 P.M.	1:20,000	2.05 ft. above M.L.W.
12628 (9)	"	"	"	" " " "
12628 (11)	"	"	"	" " " "

Tide from (III): Predicted tables, Reference Station: Hampton Roads, Va. with correction to Old Point Comfort, Va.

Mean Range: 2.5' Spring Range: 3.0'

Camera; (Kind or source) U.S. Coast & Geodetic Survey Nine Lens camera (focal length 8 1/4")

Field Inspection by: Joe N. Henningsen, Marvin C. Jenkins and Orvis N. Dalbey date: Nov. and Dec. 1943 Jan. 1944

Field Edit by: date:

Date of Mean High-Water Line Location (III): Same as date of nine lens photographs

Projection and Grids ruled by (III) B.R.C. - P.J.H. date: 2/28/44

" " " checked by: L.U.E. date: 2/28/44

Control plotted by: Sidney Mittleman date: 3/9/44

Control checked by: H. P. Eichert date: 3/11/44

Radial Plot by: Joseph Steinberg and J. Edward Deal, Jr. date: 4/7 to 4/13/44

Detailed by: Harry R. Rudolph and James L. Harris date: 4/14 to 5/18/44

Reviewed in compilation office by: Wm. H. Van Loon date: 5/17 to 5/18/44

Elevations on Field Edit Sheet checked by:

Harlan E. Dees

date: 6-9-44

General Procedure in the Production of Topographic Quadrangles for the War Department

This quadrangle, together with similar adjoining maps produced under Project C.S.289-A, was prepared by the Coast and Geodetic Survey for the War Department under "General Specifications for War Department Mapping Program" issued about December 1941, in which is incorporated the "Standard of Accuracy for a National Map Production Program" issued by the Bureau of the Budget under date of June 10, 1941.

The general procedure in the production of this and the adjoining quadrangles was:

FIELD SURVEYS

Aerial photography with the Coast and Geodetic Survey nine-lens camera, with airplane and flight crew furnished by the U. S. Coast Guard. The photographs were taken to the scale of 1:20,000.

Ground inspection of the photographs for identification of control points, and classification and clarification of planimetric details on the photographs.

Contouring by planetable directly on the photographs. Supplementary vertical control was established by means of an extensive subordinate level net, furnishing unmarked elevations at road intersections, drive-ways, and numerous other points identifiable on the photographs.

COMPILATION OF MANUSCRIPT

Compilation on the map manuscripts by radial plot methods (celluloid hand templates) of all planimetry and contours. These manuscripts were drawn on the scale of 1:20,000 on celluloid sheets on which polyconic projections had been ruled with the Projection Ruling Machine in the Washington Office. Compilation was accomplished in the Baltimore ~~Tampa~~ Photogrammetric Office.

FIELD EDIT

Comparison of a copy of the manuscript with the ground. This included inspection for completeness and accuracy as well as the location by planetable methods of additional details, checking of nautical and aeronautical aids to navigation, etc.

Accuracy Tests - Application of systematic horizontal and vertical accuracy tests to check the maps for conformity with the specifications. These tests consisted of comparison of the map position and elevation of selected random points with the true position and elevation as independently determined by standard survey methods.

PROCESSING IN THE WASHINGTON OFFICE

Review - Examination of the manuscript for accuracy and completeness of compilation and compliance with specifications, correcting where necessary; addition of military and state grids and other special features; and verification of the general adequacy of the manuscript as a basis for the production of a finished map.

Drafting and Reproduction - Preparation of smooth color separation drawings on 1:20,000 scale on metal-mounted "blue-line" copies of the manuscript. From these drawings, negatives and printing plates were prepared for reproduction of the finished map on the scale of 1:31,680 or 1:25,000.

STATISTICS (III)

Land Area (Sq. Statute Miles); 30

Shoreline (More than 200 meters to opposite shore); 43 Statute Miles

Shoreline (Less than 200 meters to opposite shore); 31 Statute Miles
(Measured along center line of streams)

Number of Recoverable Topographic Stations established; 29

Number of Temporary Hydrographic Stations located by radial plot; None

Leveling (to control contours) - miles;

Roman numerals indicate whether the item is to be entered by,

(II) Field Party, (III) Compilation Party, or, (VI) the Washington Office.

When entering names of personnel on this record give the surname

and initials (not initials only).

Remarks;

FIELD INSPECTION REPORT
QUADRANGLE T-8314
Project GS-289-A
F. L. Gallen, Chief of Party

1. DESCRIPTION OF AREA:

This quadrangle, which lies within the limits of York and Elizabeth City Counties, Virginia, is bounded on the east and south by the Chesapeake Bay. Langley Field, a U.S. Army Air Force Bomber Base, is partially within the limits of this quadrangle; that part of which is located in the northwest corner. The marsh in the vicinity of Plumtree Point is used for bombing practice by Langley Field. However, this marsh is not a part of the Air Base property. There are two large towns within this area, Hampton and Phoebus, which are located in the southern portion of this quadrangle. The villages of Buckroe Beach, a summer resort, and Fox Hill are to be found in the central portion; while Earnest, another small village, is found in the northwest corner. The boundaries of Hampton Normal School and The National Soldiers Home, which are located near the mouth of Hampton Creek between Hampton and Phoebus, are shown on the photographs covering the area. Fort Monroe, a military reservation in the southeast corner of the survey, is bounded on all sides by water with the exception of the northern side. There are two national cemeteries, one at Hampton Normal School and one near the town of Phoebus. It is to be noted that the southern part of this quadrangle is very congested, as is shown on photos for the area. The ^{rural} ~~urban~~ areas of the quad consist of some wooded sections of deciduous and pine trees, with a heavy undergrowth of brush. These wooded areas are mixed in with small farming sections. Northwest Branch and Southwest Branch of Back River drain the north and west part of this quadrangle. Hampton Creek, Harrison Creek and numerous small streams and field ditches drain the remainder of the area.

2. COMPLETENESS OF FIELD INSPECTION:

The field inspection is thought to be complete. All topographic features have been classified. The color scheme for buildings that were inked on the topo photographs is as follows: dwellings (red), barns (purple), stores (green) and public buildings (blue). Only the buildings inked in are to be shown on the map drawing. Trails are shown by a dashed line, thus-----, and generally labeled "trail". The drainage and marsh areas as inked on the photographs is correct as shown. Highways and roads have been classified and shown on the topo photographs. It is thought that all necessary information is shown on the field sheet that should be shown on the map drawing. Classification of bridges and culverts which have been designated on the photos, and any other small items erroneously omitted will be noted by the field edit party. Information on the various military reservations on this quadrangle is discussed under this heading on the next page of this report, and the remainder of this page.

FORT MONROE--It was possible to secure a map of this reservation from the Post Intelligence Officer, Lt. Albert F. Stoner, on a scale of 1" = 200 feet. After talking with Lt. Stoner in regard to the purpose of this survey,

2. COMPLETENESS OF FIELD INSPECTION (CONT.):

FORT MONROE (CONT.)--it was found that all buildings within the limits of Fort Monroe may be shown, with the exception of the buildings or items blocked in red. The boundaries of Fort Monroe are shown on Topo. Photograph No. 12583. It was also decided that any information shown on the survey of Fort Monroe, not designated in red, that would be valuable in the compilation of our quadrangles may be used to the best advantage of the compilation office.

LANGLEY FIELD--Langley Field, which is located within the limits of quadrangles T-8313 and T-8314, is a Bomber base for the U. S. Army Air Force. The boundaries are shown on Topo. Photograph No. 12644, while the field inspection of barracks, operational buildings, shoreline and other items that may be shown on the finished map drawing have been inked in the conventional color scheme on photograph No. 12628(9). All detail designated may be shown, by order of the Adjutant, Robert H. Knight, Captain, U.S.A.A.F., Langley Field, Virginia. The field inspection of this installation was later taken to the Adjutant's Office for approval. It is to be noted that the information may be shown on maps for public use after the war and to be kept as restricted material for the duration of the war. This is verified by the notation made by the Adjutant's Office on the upper portion of Photo. No. 12628(9). No runways or roads are to be shown. No maps of Langley Field were available. A large tract of marsh land in the vicinity of Drum Point and Plum Tree Point on quad T-8315 is used by Langley Field as a bombing and straffing range. However, this land is not under the jurisdiction of Langley Field officials.

HAMPTON NORMAL SCHOOL--the field inspection for Hampton Normal School was done directly on the photograph and all information necessary for compiling clarified. All information within the limits of this school, the boundaries of which are shown on the photograph, may be used without restriction.

NATIONAL SOLDIERS HOME--all information shown within the boundaries of this institution, the limits of which are shown on the photograph, may be shown without restriction. All detail has been clarified for the compilation office.

3. INTERPRETATION OF THE PHOTOGRAPHS:

See report for T-8317.

4. HORIZONTAL CONTROL:

See report for T-8317.

5. VERTICAL CONTROL:

See report for T-8317.

6. CONTOURS AND DRAINAGE:

There are no 20 foot contours within the limits of this quadrangle. The drainage for this survey was put in by use of the stereoscope and checked in the field.

7-13. The items under these headings in the field inspection report do not apply to this area.

14. ROAD CLASSIFICATION:

See report for T-8317.

15. BRIDGES AND CULVERTS:

See report for T-8317.

16. BUILDINGS AND STRUCTURES:

See report for T-8317.

17. BOUNDARY MONUMENTS AND LINES:

This quadrangle is located in York and Cape Elizabeth Counties, Va. The boundary line is formed by Back River and Northwest Branch, and is shown on the photographs for the area. The boundary lines for the towns of Hampton and Phoebus are correct as shown on the photographs; as are the boundary lines for Langley Field, Hampton Normal School, The National Soldiers Home and Fort Monroe.

18. GEOGRAPHIC NAMES:

See report for T-8317.

19. JUNCTIONS:

This quadrangle is bounded on the east by Chesapeake Bay. Junctions with Quadrangle T-8313 on the west, T-8315 on the north and T-8304 on the south have been made and are in agreement.

20. PHOTOGRAPHS USED:

Photographs used in surveying this area were Nos. 12583, 12584, 12585, 12586, 12628(8), 12628(9), 12628(11), 12641, 12642, 12643, 12644 and 12645.

Approved and forwarded:

F. L. Gallen

F. L. Gallen
Chief of Party

Submitted by:

Orvis M. Dalbey

Orvis M. Dalbey
Sr. Photo. Aid.

SHEET NO. T-8314

Breakdown of Field Completion Operations

Shoreline:---Joe N. Henningsen, Asst. Photo. Eng.---Jan. 1944.
Marvin C. Jenkins, Sen. Eng. Aid.---Jan. 1944.
Recovery and Shoreline Control:---Marvin C. Jenkins---Nov. Dec. 1943 &
Jan. 1944.
Boundaries:---Joe N. Henningsen, Asst. Photo. Eng. Jan. 1944.

Marvin Jenkins

Orvis N. Dalbey

Water



26 CONTROL:

Forty-one horizontal control stations, 38 of which fall within the limits, and 3 falling just outside the limits, of this Map Manuscript were recovered and identified by the Field Parties. Thirty-nine of the stations were recovered and identified by the Field Party responsible for the identification of control in Project C.S. 289 on the 1:20,000 field photographs. Two of the stations were recovered and identified by the Field Party responsible for the identification of horizontal control in Project C.S. 283 on the 1:10,000 field photographs. These were transferred to the 1:20,000 photographs at the Compilation Office.

The stations falling within the limits of the Map Manuscript are:

AIRVILLE, 1941	OAK, 1934
BACK RIVER L.H., 1852, r.1932	OLD POINT COMFORT L.H.,
BARNES, 1941	1866, 96, r.1919, 29
CURTIS, 1934	PLUM TREE, 1934
CURVE, 1941	POOL, 1941
EVANS, 1939	RIP, 1934
FOX HILL MUNICIPAL WATER TANK, 1939	RUGGLES, 1939
GOLF, 1941	SHARMAN, 1934
GRANDVIEW, 1932, r.1939	*SLATE COLORED HO. GABLE,
GRASS, 1934	1906, r.1919, r.42
GREEN, 1934	STAVE, 1934
HALIPTON CREEK RED BEACON, 1919	SWASHWAY BEACON, 1934, <i>Lost, 1944</i>
HOSPITAL, 1941	SWASHWAY INNER BEACON, 1934, <i>Lost 1944</i>
KETCHUM, 1934	TAN, 1918, r. 1934
LOW, 1918, r.1934	TENNIS, 1941
MEARS, 1934	TOPPING, 1934
MESSICK 3, 1934	UNION, 1941
MESSICK POINT BEACON, 1934, <i>Lost 1944</i>	USHER, 1934
NORTHERN POINT SHOAL BEACON, 1934	VETERAN, 1941
<i>Lost, 1944</i>	WILL 2, 1934
	*YELLOW HO. ROUND CUP.,
	1906, r.1919, r.1942

The stations falling just outside the limits of the Map Manuscript are:

26 CONTROL: (Continued)

SHAW, 1934
WHALE, 1934
WILSON, 1934

At many of the above horizontal control stations the Field Party established Field Inspection Points at well defined points of detail near the stations.

All of the horizontal control stations mentioned were used for the establishment of photograph centers, secondary control points, and detail points.

*Horizontal control stations recovered in Project C.S. 283.

27 RADIAL PLOT:

The radial plot for this Map Manuscript is part of the Main Radial Plot No. 3, Project C.S. 289, the descriptive report for which was included in the descriptive report of Map Manuscript for Survey No. T-8316, which was submitted to the Washington Office on May 16, 1944.

28 DETAILING:

The field inspection data furnished the Compilation Office for this Map Manuscript was satisfactory. All drainage and the limits of marsh areas which were not clearly definable on the photographs were delineated by stereoscopic examination. Buildings were detailed in accordance with field inspection data. The congested areas of Hampton, and Kecoughton, Va. have been outlined on the discrepancy overlay. In restricted military reservations only detail has been shown which was recommended as unrestricted data by the Field Party. These military reservations have been outlined on the discrepancy overlay as probable or wholly restricted areas.

Tree areas are shown with a symbol in green acid

28 DETAILING: (Continued)

ink and classified according to instructions received from the Washington Office.

All drainage wide enough to show both shores to advantage has been shown in black acid ink. All other drainage has been shown with a single line in blue acid ink.

Two small areas falling just over the south junction of this Map Manuscript and being part of the Map Manuscript for Survey No. T-8303, could be shown to better advantage on this Map Manuscript. An appropriate note clearly defines these areas.

Four typewritten lists showing the names of public buildings in Hampton, Va., Phoebus, Va., Hampton Normal School, and National Soldiers Home, are stapled to the Map Manuscript. As a safety measure, a copy of these lists has been attached to this descriptive report.

29 SUPPLEMENTAL DATA:

The following previous surveys have been made by the U. S. Coast & Geodetic Survey:

Survey No.	Date	Scale
T-502	1853-92	1:20,000
T-2801	1906-07	1:20,000
T-3761	1918-19	1:10,000

None of these were available to the Compilation Office.

The Field Party furnished the Compilation Office the following plans:

Whiteprint	Streets of Hampton, Va.	Scale: Unknown
Whiteprint	Map of Fort Monroe, Va.	Scale: 1" equals 200'

30 MEAN HIGH-WATER LINE:

The stage of tide of all the photographs was computed and found to be just below Mean High-Water. The High-Water

30 MEAN HIGH-WATER LINE: (Continued)

Line was delineated by stereoscopic examination of the office photographs with the aid of field inspection data.

31 LOW-WATER AND SHOAL LINES:

Approximate shoal lines have been detailed where they could be seen from office examination of the photographs. No Low-Water Lines are visible on the photographs and none were indicated by field inspection data.

32 DETAILS OFFSHORE FROM THE HIGH-WATER LINE:

None were indicated by field inspection data. However, upon examination of the nautical charts it was noted that several offshore details are existing. These could not be seen on the photographs. Notes have been made on the discrepancy overlay recommending investigation of these details during the field edit.

33 WHARVES AND SHORELINE STRUCTURES:

All wharves, piers and other shoreline structures indicated by field inspection data and those not indicated by field inspection data, but visible on the photographs, have been detailed.

34 LANDMARKS AND AIDS TO NAVIGATION:

The Field Party furnished Form 567 partially executed to the Compilation Office recommending four Landmarks for Charts. One, namely: TANK, ELEVATED, falls in the area of Survey No. T-8316. Another, namely: TOWER NO. 1 (Observation) falls within the area of Survey No. T-8315. The other two, namely: TOWER NO. 2 (Observation) and TOWER NO. 3 (Observation) fall within the limits of this Map Manuscript. These have been radially plotted and the Form 567 is being completed by the Compilation Office and is being submitted to the Washington Office.

Numerous landmarks are shown on nautical charts Nos. 494 and 1222. After extensive investigation at

34 LANDMARKS AND AIDS TO NAVIGATION: (Continued)

the Compilation Office it was found that the Field Party recovered, but did not identify, a number of these landmarks which are triangulation stations. These have been indicated on the discrepancy overlay with a "T" shown enclosed in a black circle. Those which are not triangulation stations have been indicated on the discrepancy overlay with an "L" enclosed in a black circle. It is assumed that the Field Edit Party will make a complete investigation of landmarks, and make any recommendations necessary to the Washington Office. *Eight landmarks which are triangulation stations were plotted on the manuscript by the reviewer in the Wash. office.*

The Field Party furnished the Compilation Office sextant cut locations for 12 fixed aids to navigation. These have been plotted on the Map Manuscript. These sextant cut locations do not agree with the locations of the same fixed aids shown on nautical charts Nos. 494 and 1222. Form 567 is being submitted for these 12 aids to navigation recommending a new position for each, namely:

BACK RIVER, 4
BACK RIVER, 5
BACK RIVER, 12
BACK RIVER, 13
BACK RIVER, 15
BACK RIVER, 16
WILLOUGHBY POINT
BACK RIVER NORTHWEST BRANCH, 1
BACK RIVER NORTHWEST BRANCH, 3
BACK RIVER SOUTHWEST BRANCH, 1
BACK RIVER SOUTHWEST BRANCH, 3
BACK RIVER SOUTHWEST BRANCH, 5

*See Ch. Letters
429-49
371-49*

It is believed by the Compilation Office that a sextant angle taken at F.I.P. 20 between Back River Light House and Back River, 4 is incorrect. The Compilation Office was able to identify this light on the photographs and radially plot it. The location obtained from the radial plot verified all sextant cuts to this light except that mentioned above.

35 HYDROGRAPHIC CONTROL:

Form 524 is being submitted for 29 recoverable topographic stations. In addition to the 12 fixed aids to navigation and the 2 landmarks mentioned in Paragraph 34, the following are believed to be of value as partial hydrographic control for any future hydrographic survey, as long as they remain in position. Namely:

BUC, 1943
ED, 1943
TIN 1943
CHY, 1943
FOX, 1943
B.M.R.M. 1
B.M. P-27
B.M. Q-27
Tidal B.M. 1
Tidal B.M. 11

The remaining five recoverable topographic stations which are also bench marks, are believed to be too far inland for use as hydrographic control.

36 LANDING FIELDS AND AERONAUTICAL AIDS:

Langley Field is located within the limits of this Map Manuscript. Most of the detail in the area of this field is restricted and has not been shown. The Compilation Office has not been furnished any data on aeronautical aids for this Map Manuscript.

37 DISCREPANCY OVERLAY:

A discrepancy overlay has been prepared to accompany this Map Manuscript. On it are notes recommending clarification of certain detail during the time of the field edit. Other notes, which it is believed will be of assistance during the field edit, are shown. A set of general notes is also included to aid in the interpretation of symbols shown on the Map Manuscript.

38 GEOGRAPHIC NAMES:

The results of a geographic names investigation were

38 GEOGRAPHIC NAMES: (Continued)

furnished the Compilation Office on a copy of the U.S. Geological Survey Hampton, Va. 15 minute quadrangle. Only the undisputed names have been shown on the Map Manuscript. A list of undisputed, disputed and recommended geographic names is attached to this descriptive report.

39 HORIZONTAL ACCURACY:

The horizontal accuracy of this Map Manuscript is believed to be within the limits set forth for well defined and less well defined points of detail for War Mapping Projects.

40 RECOMMENDATIONS FOR FUTURE SURVEYS:

The planimetry as presented on this Map Manuscript, is believed to be complete, except as noted herein, but is subject to corrections, additions and deletions at the time of the field edit.

41 JUNCTIONS:

Satisfactory junctions have been completed with the following:

To the North with Map Manuscript for Survey No. T-8315
To the West with Map Manuscript for Survey No. T-8313
To the South with Map Manuscript for Survey No. T-8303

To the East is the Chesapeake Bay.

42 REMARKS:

The description of the area of this Map Manuscript as made in the field report, is adequate except that in one instance the writer of the field report has the word "urban" where the word "rural" appears to have been intended.

According to the field report, Paragraphs 7 to 13

42 REMARKS: (Continued)

as listed in the "INSTRUCTIONS FOR THE PREPARATION OF DESCRIPTIVE REPORTS," are not applicable.

Much High-Water Line, Low-Water and Shoal Lines, Wharves and Shoreline Structures, Details Offshore from the High-Water Line, Landmarks and Aids to Navigation, Hydrographic Control, and a Landing Field, are to be found within the limits of this Map Manuscript.

44 COMPARISON WITH EXISTING TOPOGRAPHIC QUADRANGLES:

Due to scale difference only a visual comparison could conveniently be made with the U. S. Geological Survey Hampton, Va. 15 minute quadrangle. Many man made changes are evident. In general, common planimetric features are in fair agreement.

45 COMPARISON WITH NAUTICAL CHARTS:

Comparison was made with Nautical Chart No. 494, Scale 1:40,000. The channel known as "Thorofare", separating Plumtree Island from the mainland, has been closed at the south end and the island is now attached to the mainland by a narrow strip of sand.

At High Cedar Creek 4 piers are shown on the Map Manuscript and only two are shown on the chart.

Just south of Plumtree Island is a new pier which does not appear on the chart.

A watch house S.E. of Light, "Back River 15", which is shown on the chart, has not been indicated by field inspection data and cannot be seen on the photographs. *Destroyed according to field edit party.*

A pier has been shown on the Map Manuscript west of Messick Point and on the east side of entrance of Back Creek, which does not appear on the Chart.

Two wooden docks have been shown on the Map Manuscript along "Harris Creek" (disputed name), which

45 COMPARISON WITH NAUTICAL CHARTS: (Continued)

do not appear on the chart.

Common detail is in fair agreement.

Comparison was made with Nautical Chart No. 400
scale, 1:20,000

At Fort Monroe a small pond shown on the chart
has now been filled in.

At Fort Monroe the entire shoreline has changed
along Mill Creek, due to fill.

The shoreline along the south side of Fort Mon-
roe has receded from that shown on the chart.

At approximate Lat. $37^{\circ} 01' 35''$ and Long. $76^{\circ} 16' 50''$, the shoreline has receded.

West of the town of Hampton the western extremity
of Sunset Creek has been filled.

At approximate Lat. $37^{\circ} 00' 20''$ and Long. $76^{\circ} 21' 25''$, a marsh area is in disagreement.

Near the mouth of Mill Creek a new highway crosses
Mill Creek partially on fill, with two bridges.

The trolley lines appearing on the chart in the
villages of Hampton and Phoebus and along the
shoreline, are not shown on the Map Manuscript.

Common planimetric features are in good agreement.

Respectfully submitted:
May 17, 1944

Harry R. Rudolph
Harry R. Rudolph
Sr. Photogrammetric Aid

and

James L. Harris
James L. Harris
Air Photo Observer

Map Manuscript, Discrepancy
Overlay and Descriptive Report
Reviewed by:

William H. Van Loon
Wm. H. Van Loon
Prin. Photogrammetric Aid

Compilation of Map Manuscript
Supervised by:

Joseph Steinberg
Joseph Steinberg
Asst. Photogrammetric Engineer

and

J. Edward Deal, Jr.
J. Edward Deal, Jr.
Asst. Photogrammetric Engineer

Approved and Forwarded:
May 19, 1944

Fred. L. Peacock
Fred. L. Peacock
Commander C. & G. Survey
Officer-in-Charge
Baltimore Photogrammetric Office.

List of Public Buildings in town
of Hampton

1. Hampton Baptist Church
2. Court House
3. First Baptist Church
4. U.S.O. Building
5. Virginia National Guard
6. Great Mission Church
7. Union School
8. First Baptist Church (Lincoln Park)
9. Bethel A.M.E. Church
10. St Cyprians P.E. Church
11. Central Methodist Church
12. Church of Christ
13. Memorial Baptist Church
14. Charles H. Taylor Memorial Library
15. Hampton High School
16. Hampton Grade School
17. Queen Street Baptist Church
17. Name not shown by Field Inspection Party
(this building is also on Queen Street)
18. St. Johns Church
19. Presbyterian Church
20. First Methodist Church
21. Post Office
22. Hampton Annex Post Office
23. Fire Department
24. F.O. Eagles Lodge No. 674
25. City Hall
26. Railroad Station
27. Syms Eaton Academy
28. Federal Recreation Building
29. B'Nai Israel
30. Baptist Church

List of Public Buildings at the
NATIONAL SOLDIERS HOME

1. Headquarters
2. Hospital
3. Doctors Quarters
4. Nurses Home
5. Theater
6. Mechanics Quarters
7. Barber Shop
8. Warehouse
9. Shop Buildings (2 buildings)
10. Barracks
11. Power Plant
12. Mess Hall
13. Headquarters
14. Army Mess Hall
15. Chapel
16. Laundry
17. Guard House
18. Post Office
19. Library
20. Barracks (3 buildings)
21. Barracks (6 buildings)
22. Barracks (4 buildings)
23. Barracks (4 buildings)
24. Barracks (2 buildings)

List of Public Buildings at

HAIRTON NORMAL SCHOOL

1. Dormitory
2. Chapel
3. Heating Plant
4. Bemis Laboratories
5. Coleman duPont Hall
6. Dormitory
7. Administration Building
8. Class Rooms
9. Warehouse
10. Gymnasium
11. Class Rooms
12. Class Rooms
13. Class Rooms
14. Dormitory
15. Collis P. Huntington Library
16. Robert C. Ogden Auditorium
17. Dixie Hospital
25. No name shown by Field Inspection Party
→ *George P. Phenix School*

List of Public Buildings in town
Of Phoebus

1. St. Marys Church
2. Railroad Station
3. Phoebus Methodist Church
4. Post Office
5. Phoebus Grade School
6. City Hall
7. Fire Station
8. Phoebus Baptist Church
9. LaCross Memorial Presbyterian Church
10. Mezpah Lodge
11. Phoebus Community Center
12. Ebeneser A.M.E. Church
13. Monitor Masonic Lodge No. 197
14. U.S.O. Building

GEOGRAPHIC NAMES

Undisputed

- | | |
|---|--------------------------------|
| ✓Amorys Wharf | ✓Langley Field Bridge |
| ✓Back Creek | ✓Langley Field Road |
| ✓Back River L. H. | ✓Lincoln Park Cemetery |
| Back River Road | ✓Long Creek |
| ✓Back Landing | ✓Marsh Point |
| ✓Back River | ✓Messick |
| Beach Road | ✓Messick Point |
| ✓Big Ditch | ✓Messick Road |
| ✓Brights Creek | ✓Mill Creek |
| ✓Buckroe Beach | ✓Muddy Creek |
| ✓Buckroe Road | ✓N.W.H. & O.R. Electric R.R. |
| ✓Chesapeake Bay | (not shown) |
| ✓Chesapeake & Ohio R.R. | ✓National Soldiers Home |
| ✓Cedar Creek | ✓Newmarket Creek |
| ✓Cedar Point | ✓Northend Point |
| ✓Earnest (village) | ✓Northwest Branch (Back River) |
| ✓East Messick Road | ✓Oak Island |
| ✓Elizabeth City County | ✓Oak Lawn Cemetery |
| ✓Flat Gut | ✓Old Point Comfort |
| ✓Floods Hole | ✓Pauls Store (village) |
| ✓Fore Landing Creek | ✓Phoebus |
| ✓Fort Monroe | ✓Plumtree Bar (not shown on |
| ✓Fort Monroe (structure) | Map Drawing) |
| ✓Fox Hill | ✓Plumtree Island |
| ✓Fox Hill Road | ✓Poor House Road |
| ✓Fox Hill Cemetery (from field inspection | ✓Ridge Road |
| photographs) | ✓Salters Creek |
| ✓Grand View | ✓Salt Ponds |
| ✓Grunland Creek | ✓Shell Road |
| ✓Grunland Point | ✓Southwest Branch(Back River) |
| ✓Hall Road | ✓Stony Point |
| ✓Hampton | ✓Sunset Creek |
| ✓Hampton Creek | ✓Tabbs Creek |
| ✓Hampton Normal School | ✓Tabbs Point |
| ✓Hampton Normal School Farm | ✓Thorofare |
| ✓Harris Creek Road | ✓Tide Mill Road |
| ✓Hawkins Pond | ✓Tin Shell Point |
| ✓Herberts Creek | ✓Topping Creek |
| ✓High Cedar Creek | ✓U.S. Military Reservation |
| ✓Howes Place | ✓Watts Creek |
| ✓Kecoughton | ✓Willoughby Point |
| ✓Langley Field | ✓Windmill Point |
| | ✓York County |

GEOGRAPHIC NAMES

Recommended

✓ Bloxom's Cor.
✓ Dandy Point
✓ Harris Creek
✓ Long Creek
✓ Tide Mill Creek

Disputed

Blocksomes Corners
Mears Rocks
Harrison Creek
Wiles Creek
Hampton Creek

FIELD EDIT REPORT
TO ACCOMPANY
QUADRANGLE T-8314
PROJECT CS-289 A-1 (South
F. L. Gallen Chief of Party

5. The elevation and designation of each bench mark has been checked on the map manuscript. The fly-level elevations will be checked by the Washington Office.
7. The high water line along the east side of Mill Creek north of Fort Monroe has been shown on the map manuscript. The marsh area outside of the high water line has not been altered from that which will show on the photographs and should be detailed from the photographs.
10. Detail off-shore from the high water line has been investigated and the proper notes made on either the discrepancy overlay or the map manuscript.
11. All landmarks and aids to navigation have been investigated and the proper forms are being submitted with this report.

The two towers shown in the vicinity of Latitude 37-07.4, Longitude 76-17.8 are probably fire-control towers for coastal defense installations and should not be shown on the map or used as landmarks for charts.
14. All roads have been classified in accordance with instructions.
15. All bridges have been classified in accordance with instructions.
- 16.. Buildings added by the field edit party have been classified. Maps of three housing projects are being submitted. The maps have been tied to the map manuscript at designated points as shown on the maps and the map manuscript.
46. This quadrangle was field edited on an ozalid print and the results of the field edit were transferred to a duplicate ozalid print in the office. Discrepancies not covered by a suitable symbol were noted by a sentence and an arrow to the point in question. The following color scheme was used:

Additions, classification, names, notes, etc.	Black
Political sub-divisions	Violet
Deletions	Green
Notes on the discrepancy overlay have been checked off in red.	
47. The compiled detail on this map manuscript was adequate with few additions, classifications or deletions necessary.

48. The horizontal accuracy test in this quadrangle will be scaled by the Washington Office. *Only two points, both within the required accuracy.*

No vertical accuracy test was run in this quadrangle as all land elevations are below twenty feet. A vertical accuracy test was run in quadrangle T-8313 to the west.

49. The junction with quadrangle T-8313 on the west has been checked and the following should be changed on T-8313. *T-8313 corrected by reviewer in Wash. office.*

At Latitude 37-01.1 the short segment of road should be labelled "Rd.3".

At Latitude 37-01.2 the road 1 should be labelled "4 lane".

The junction with T-8315 to the north will be checked when the report for this quadrangle is submitted. There are no other junctions.

Junction checked by reviewer in Wash. office.

Submitted by:

Louis Levin
Louis Levin
Sr. Photo. Aid
by [signature]

Approved and forwarded by:

F. L. Callen
F. L. Callen
Chief of Party
[signature]

Horizontal Accuracy Test No 5 (T-8313 & T-8314)
is found with descriptive report T-8313

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

DUPLICATE

NEW POSITION

~~TO BE CHARTED~~
~~TO BE DELETED~~

STRIKE OUT ONE

LANDMARKS FOR CHARTS

Baltimore, Maryland

May 12, 1944

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.

Fred. L. Peacock

Chief of Party.

GENERAL LOCALITY		NAME AND DESCRIPTION	POSITION						METHOD OF LOCATION	DATE OF LOCATION	HARBOR CHART	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTED
			LATITUDE		LONGITUDE									
			o	i	D. M. METERS	o	i	D. P. METERS						
Chesapeake Bay, Back River, Va.		Back River 4. Fl. R. 5 sec. In 9 feet easterly of Northend Point	37	06	(1713.0) 136.6	76	15	(306.6) 1175.0	N.A. 1927	Sextant Fixes &	1943			1222 494
		Back River 5 Fl. W. 5 sec. In 10 feet, easterly of point	37	06	(1580.0) 269.6	76	16	(1278.6) 203.0	N.A. 1927	Air Photo Comp.	1943			494 1222
		Back River 12. Fl. R. 5 sec. In 16 feet, north of Northend Point	37	06	(304.6) 1544.0	76	17	(1077.2) 404.2	N.A. 1927	Air Photo Comp.	1943			494 1222
		Back River 13. Fl. W. 5 sec. In 10 feet, off Northend Point	37	06	(568.3) 1281.3	76	17	(573.0) 908.4	N.A. 1927	Sextant Fixes	1943			494 1222
		Back River 15. Fl. W. 5 sec. In 8 feet, west of Northend Point	37	06	(1026.6) 823.0	76	18	(1228.3) 253.2	N.A. 1927	Sextant Fixes	1943			494 1222
		Back River 16. Fl. R. 5 sec. In 6 feet on southwest end of shoal, Back River	37	06	(1238.0) 561.6	76	18	(186.5) 1295.0	N.A. 1927	Air Photo Comp.	1943			494 1222
		Willoughby Point. 1 Qk. Fl. R. In 7 feet, on point of shoal	37	06	(1828.6) 21.0	76	19	(113.0) 1368.6	N.A. 1927	Sextant Fixes	1943			494 1222
		Back River Northwest Branch 1. Fl. W. 5 sec. In 7 ft. 400 yds. 2380 from Willoughby Pt. Light	37	05	(179.0) 1670.6	76	20	(1186.0) 295.6	N.A. 1927	Sextant Fixes	1943			494
		Back River Northwest Branch 3. Fl. G. 5 sec. In 7 ft. northerly of Willoughby Point	37	05	(689.0) 1160.6	76	20	(596.0) 885.5	N.A. 1927	Sextant Fixes	1943			494
		Back River southwest Branch 1. Fl. W. 5 sec. In 7 feet, west of Stony Pt.	37	05	(124.6) 1725.0	76	19	(501.0) 980.8	N.A. 1927	Sextant Fixes	1943			494 1222
New Positions as verified by Air Photo Compilation		Back River southwest Branch 3. Fl. G. 5 sec. In 7 ft. southeasterly of Willoughby Pt.	37	05	(1402.0) 447.6	76	20	(1288.3) 193.5	N.A. 1927	Sextant Fixes	1943			494 1222
		Back River southwest Branch 5. Fl. G. 5 sec. In 6 ft. easterly side of channel	37	04	(751.6) 1098.0	76	20	(872.1) 610.0	N.A. 1927	Sextant Fixes	1943			1222

This form shall be prepared in accordance with 1934 Field Memorandum, "LANDMARKS FOR CHARTS." 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.

Qch 6/9/44
3-78H

TO BE CHARTED
TO BE DELETED

STRIKE OUT ONE

June 2 1944

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.

See Ch. Letter 429-44

See Ch. Letter 429-44

Lieut. Comdr. F. L. Gallen

This form shall be prepared in accordance with 1934 Field Memorandum, "LANDMARKS FOR CHARTS." 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.

T-8314

1

Remarks.

Decisions

1		USGB
2		
3		
4		USGB
5		Railway Guide
6		Road Maps
7		"
8		"
9		"
10		"
11		"
12		"
13		
14		370762
15		"
16	Pending with USGB	370763
17		370762
18		"
19		"
20		"
21		"
22		" USGB
23		"
24		"
25		"
26		"
27		"

GEOGRAPHIC NAMES

Survey No.

T-8314

HAMPTON quadrangle

1 Name on Survey

	A	B	C	D	E	F	G	H	K	
Virginia	✓		✓							1
Elizabeth City County:	✓		✓							2
York County:	✓		✓							3
Chesapeake Bay	✓		✓							4
Chesapeake & Ohio Ry	✓		✓							5
U.S. No. 60	✓		✓							6
Va. No. 170	✓		✓							7
State No. 239	✓		✓							8
" No. 167	✓		✓							9
" No. 172	✓		✓							10
" No. 168	✓		✓							11
" No. 169	✓		✓							12
										13
Buckroe Beach	✓		✓							14
Salt Ponds	✓		✓							15
Bloxoms Corner	✓		✓							16
Hall Road	✓		✓							17
Fox Hill	✓		✓							18
Fox Hill School	✓		✓							19
Wallace Memorial Church	✓		✓							20
Beach Road	✓		✓							21
Grand View	✓		✓							22
Hawkins Pond	✓		✓							23
Back River Light	✓		✓							24
Long Creek	✓		✓							25
Big Ditch	✓		✓							26
Floods Hole	✓		✓							27

T-8314

2

Remarks

Decisions

1		370762
2		"
3		"
4		"
5		"
6		"
7		"
8		371763: remaining
9		names all on this
10		section sheet
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GEOGRAPHIC NAMES

Survey No.

T-8314

2	Name on Survey	A	B	C	D	E	F	G	H	K	
	<u>Grunland Creek</u>	✓		✓							1
	<u>Grunland Point</u>	✓		✓							2
	<u>Dandy Point</u>	✓		✓							3
	<u>Back River</u>	✓		✓							4
	<u>Northend Point</u>	✓		✓							5
	<u>Plumtree Island</u>	✓		✓							6
	<u>Thorofare</u>	✓		✓							7
	<u>Flat Out</u>	✓		✓							8
	<u>Muddy Creek</u>	✓		✓							9
	<u>High Cedar Creek</u>	✓		✓							10
	<u>Messick Point</u>	✓		✓							11
	<u>Back Creek</u>	✓		✓							12
	<u>East Messick Road</u>	✓		✓							13
	<u>Messick Road</u>	✓		✓							14
	<u>Pauls Store</u>	✓		✓							15
	<u>Ridge Road</u>	✓		✓							16
	<u>Messick</u>	(partly here)									17
	<u>East Messick School</u>	✓		✓							18
	<u>Long Creek</u>	✓		✓							19
	<u>Fore Landing Creek</u>	✓		✓							20
	<u>Earnest</u>	✓		✓							21
	<u>Amorys Wharf</u>	✓		✓							22
	<u>Tin Shell Point</u>	✓		✓							23
	<u>Northwest Branch</u>	✓		✓							24
	<u>Back Landing</u>	✓		✓							25
	<u>Watts Creek</u>	✓		✓							26
	<u>Oak Island</u>	✓		✓							27

T-8314

3

Remarks.

Decisions

1		371763
2		"
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5		"
6		"
7		370763: remaining
8	/	names all on this
9		section sheet
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11	Pending with USGB	
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21		USGB
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GEOGRAPHIC NAMES

Survey No. T-8314

3

Name on Survey

<u>Topping Creek</u>	✓			✓																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															</
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Remarks.

Decisions

1		370769: all names on this section sheet
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8	Pending with USGB	
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GEOGRAPHIC NAMES

Survey No. T-8314

4	Name on Survey	A On Chart No.	B On previous survey No.	C On U. S. quadrangle Maps	D From local information	E On local Maps	F P. O. Guide or Map	G Rand McNally Atlas	H U. S. Light List	K
	<u>Roseland Manor</u>	✓		✓						1
	<u>National Cemetery</u>	✓		✓						2
	<u>National Cemetery (Colored)</u>	✓		✓						3
	<u>Old Point Comfort School</u>	✓		✓						4
	<u>Buckroe School</u>	✓		✓						5
	<u>Buckroe Baptist Church</u>	✓		✓						6
	<u>Kencoughton</u>	✓		✓						7
	<u>Sunset Creek</u>	✓		✓						8
	<u>Salters Creek</u>	✓		✓						9
	<u>Hampton</u>	✓		✓						10
	<u>Shell Road</u>	✓		✓						11
	<u>Salters Road</u>	(any of it here?)		Gr. ? Not shown						12
	<u>Back River Road</u>	✓		✓						13
	<u>Brights Creek</u>	✓		✓						14
	<u>Herberts Creek</u>	✓		✓						15
	<u>Lincoln Cemetery</u>	✓		✓						16
	<u>Oaklawn Cemetery</u>	✓		✓						17
	<u>Langley Field Road</u>	✓		✓						18
	<u>Langley Field Bridge</u>	✓		✓						19
	<u>Newmarket Creek</u>	✓		✓						20
	<u>Tide Mill Road</u>	✓		✓						21
	<u>Tide Mill Creek</u>	✓		✓						22
	<u>Hampton Normal School Farm</u>	✓		✓						23
	<u>Langley View School</u>	✓		✓						24
	<u>Johnson Cemetery</u>	✓		✓						25
	<u>Hampton Road Baptist Church</u>	✓		✓						26
	<u>Armstrong Gardens</u>	✓		✓						27

Names underlined in red approved
by L. Heck on 6/17/44

RECORDS

Between January, 1942 and July, 1944, this Bureau completed 323 quadrangles. These maps have been published, or are in the process of being published on scales of 1:31,680 or 1:25,000. This series of quadrangles includes a land area of approximately 15,000 square miles. Incident to this work, a considerable volume of survey records and data has accumulated which will be filed for future reference. This material is filed as follows:

Registered and Filed in the Vault

Cloth-mounted copy of the published quadrangle.
published quadrangle at 1:20,000 scale
Black and white cloth-mounted copy of the map manuscript. This copy is filed to preserve original survey detail shown on the manuscript at 1:20,000 scale which may not have been shown on the published sheet. For ~~political boundaries~~, woodland, ~~marsh~~, and ~~swamp limits~~, refer to the published quadrangle for the finally adopted ~~positions~~, outlines.

Descriptive Report.

Division.

Filed in the Photogrammetric Section — Surveys Branch

Field inspection photographs.

Contoured photographs (on which planetable contouring work was performed.)

Field edit sheet.

Descriptions of recoverable topographic stations (Form 524), filed in Reviewing Unit Section.

Supplementary traverse and level records.

Field notes, computations, lists of positions, and tabulations of results of horizontal and vertical accuracy tests.

Reproduction proof.

Correction sheet (copy of quadrangle showing in red changes to be made when next printed.)

Check lists of work performed on each sheet in the Washington Office during review, drafting, edit, and reproduction.

Original celluloid manuscript.

Copies of specifications and all instructions
to field parties and field offices.

Filed in Reproduction Branch

Glass negatives of the color separation drawings.

Filed in the Library

~~Special report on field work by Commander K. T.
Adams, 1944.~~

Special report on office work by B. G. Jones, 1944.

Season's report on field work by Commander F. L.
Gallen, 1944.

Season's report on field work by Commander R. L.
Schoppe, 1944.

Delivered to the Army Map Service in accordance
with the contract

Film negatives and film positives of the color
separation drawings.

All color separation drawings.

~~Original celluloid manuscript.~~

A correction sheet consisting of a copy of the
first edition of the quadrangle with notes in red
indicating changes desirable at the next printing.

DIVISION OF CHARTS

SURVEYS BRANCH

REVIEW OF AIR PHOTOGRAPHIC SURVEY T- 8514

HAMPTON QUADRANGLE

This quadrangle manuscript has been examined for completeness, accuracy, and conformity with the specifications. It is adequate for smooth drafting, reproduction and publication. Revisions found to be necessary in this office are discussed on the next page.

Horizontal and Vertical Accuracy

Two points of a horizontal accuracy test cover this area and are satisfactory. See the files in the Division of Photogrammetry.

The nearest vertical accuracy test was run in quadrangle T-8515.

Previous Surveys

This manuscript has been compared with the following previous topographic surveys of this Bureau and other agencies. This map is satisfactory to supersede the previous surveys over the common area.

T-499	1:20,000	1853-54
T-502	1:20,000	1855-92
T-2632	1:20,000	1905-07
T-2749	1:20,000	1906
T-2801	1:20,000	1906-07
T-3761	1:10,000	1918-19

Comparison with Nautical Charts Nos. 400, 494, 1222.

The manuscript has not been applied to the charts at the date of this review. The following comments are pertinent to the compilation and correction of nautical charts:

For comparisons made with the above charts see pages 11 & 12 of the Descriptive Report.

The details of T-8513 are complete and adequate for chart correction.

The following revisions of the map manuscript were found to be necessary and were accomplished as a part of this review:

Only changes of a minor nature were necessary during the review of this map manuscript.

Reviewed 6/14/44 By Harlan E. Peto
under direction of D. H. Benson (per H.D.M.)

Inspected by B. G. Jones B.G. Jones 7/46

Examined and approved:

K.T. Adams
Chief, Surveys Branch
Division of Photogrammetry

~~Chief, Topography Section~~

Robert W. Wines
Chief, Div. of Charts
Nautical Chart Branch
Raymond E. Ryan
Chief, Div. of Coastal
Surveys

NAUTICAL CHARTS BRANCH

SURVEY NO. T-8314

Record of Application to Charts

Rev 6-14-44

[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.