

8103

8108

8103

8108

| | |
|---------------------------------|---|
| Form 504 | |
| U. S. COAST AND GEODETIC SURVEY | |
| DEPARTMENT OF COMMERCE | |
| DESCRIPTIVE REPORT | |
| Type of Survey | Air Photographic |
| Field No. | Office No. T-8108 |
| LOCALITY | |
| State | Maryland |
| General locality | Chesapeake Bay |
| Locality | Little Blackwater and Big Blackwater Rivers N3822.5-W7600/7.5 |
| 194 2 | |
| CHIEF OF PARTY | |
| Lieut. Comdr. F. L. Gallen | |
| Lieut. Comdr. K. G. Crosby | |
| LIBRARY & ARCHIVES | |
| DATE | January 7, 1944 |

DATA RECORD

T- 8108

Quadrangle (II): Blackwater River

Project No. (II): CS-278-C

Field Office: Salisbury, Md.

Chief of Party: F. L. Gallen

Compilation Office: Tampa, Fla. Chief of Party: K.G. Crosby

Instructions dated (II III):
Mar. 4, Mar. 27, August 13, 1942.Copy filed in Descriptive
Report No. T- (VI)

Completed survey received in office:

Reported to Nautical Chart Section:

Reviewed: 2/10/43

Applied to chart No.

Date:

Redrafting Completed:

Registered:

Published:

Compilation Scale: 1:20,000

Published Scale:

Scale Factor (III): Unity

Geographic Datum (III): N.A. 1927 Datum Plane (III): Mean Sea Level

Reference Station (III): Refuge

38°-26'-41.99" (1,277.8 m)

76°-07'-09.660" (239.3 m)

Lat.: ~~38-26-41.444~~ (1277.9)Long.: ~~76-07-09.637~~ (233.7)

Adjusted

~~Unadjusted~~

State Plane Coordinates (VI):

To be added later.
Maryland Coordinate system, single zone.

X = 2,252,227.64

Y = 223,913.86

Military Grid Zone (VI) A

PHOTOGRAPHS (III)

| <u>Number</u> | <u>Date</u> | <u>Time</u> | <u>Scale</u> | <u>Stage of Tide</u> |
|---------------|----------------|-------------|--------------|----------------------|
| 8814 | April 14, 1942 | 3:38 | 1:20,000 | No tidal data |
| 8813 | " | 3:34 | 1:20,000 | required. |
| 8815 | " | 3:40 | 1:20,000 | Inshore sheet. |
| 8811 | " | 3:30 | 1:20,000 | |
| 8812 | " | 3:32 | 1:20,000 | |

Tide from (III):

Mean Range:

Spring Range:

Camera: (Kind or source) C & G S 9 lens

Field Inspection by: T.A.Zary, J. C. Lajoie

date: April)1942
May)1942
June)1942

Field Edit by: J. K. Wilson

date: Oct. 1942

Date of Mean High-Water Line Location (III):

April 14, 1942.

Projection and Grids ruled by (III)

date:

" " " checked by:

date:

Control plotted by: F. H. E.

date: August

Control checked by: C. H. W.

date: August

Radial Plot by: C.A.J.P. F.H.E. C.H.W.

date: August

Detailed by: L.H.Z.

date: August, September

Reviewed in compilation office by: E.L.M.

date: September

Elevations on Field Edit Sheet
checked by: Salisbury Office

date: October

STATISTICS (III)

Land Area (Sq. Statute Miles): 59.0

Shoreline (More than 200 meters to opposite shore): None

Shoreline (Less than 200 meters to opposite shore): 10.8

Number of Recoverable Topographic Stations established: None

Number of Temporary Hydrographic Stations located by radial plot:

Leveling (to control contours) - miles: 13.0

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:

SHEET No. T— 8108

PHOTOGRAPHS

| Number | Date | Time | Stage of Tide |
|--------|----------------|------|--|
| 8814 | April 14, 1942 | 3:38 | (No tidal data required inshore sheet) |
| 8813 | " | 3:34 | |
| 8815 | " | 3:40 | |
| 8811 | " | 3:30 | |
| 8812 | " | 3:32 | |

Tide from predicted tables for: No tidal data required

CAMERA: U. S. Coast and Geodetic Survey Nine Lens (focal length $8\frac{1}{4}$ inches)

SCALE

Mean scale of Photographs..... 1:20,000
Scale of Survey Sheet..... 1:20,000

STATISTICS

Area (land)..... 59 Square statute miles
Shoreline (more than 200 m. from opposite shore)..... 9.0 Statute miles
Shoreline (creeks)..... 108 Statute miles
Roads, streets, trails, and railroads..... 46 Statute miles

REFERENCE STATION

Station: Refuge
Datum: NA 1927

Latitude: $38^{\circ} 26' 41.441''$ (1,277.8 m.)
Longitude: $76^{\circ} 07' 09.637''$ (233.7 m.)
 $76^{\circ} 07' 09.660''$ (234.3)

SHEET No. T— 8108

SUPPLEMENTARY SURVEYS

| | Name | Date | Hours |
|-------------------------|----------|-------|----------------|
| Control surveys..... | ALK, LCB | July | $1\frac{1}{2}$ |
| Planetable Surveys..... | | | |
| | | Total | $\frac{1}{2}$ |

SUPPLEMENTARY SURVEYS

| | | | |
|---|----------|-------|----------------|
| Preparation of Photographs..... | ALK, CLB | June | $1\frac{3}{4}$ |
| Field Work..... | | | |
| Inking Notes..... | | | |
| Coast Pilot Notes..... | | | |
| Geographic Name Reports..... | | | |
| Land Marks for Charts..... | | | |
| Description Cards & Recovery Notes..... | | | |
| | | Total | $1\frac{3}{4}$ |

MAIN RADIAL PLOT

| | | | |
|--------------------------------------|----------------|------------|-----------------|
| Scale Plot..... | CLB- | July | $4\frac{1}{4}$ |
| Projection on Base Sheet..... | | | |
| Projection on Survey Sheet..... | | | |
| Control Plotted..... | FHE | Aug. | 2 |
| Control Checked..... | CHW | Aug. | $\frac{5}{4}$ |
| Control Trans. to Base Sheet..... | FHE | Aug. | 1 |
| Transfer Checked..... | | | |
| Control Picked on Photograph..... | ALK, CAJP | July | $5\frac{1}{2}$ |
| Control Checked on Photograph..... | LCB | July | 1 |
| Hydro & Topo. Stations Picked..... | CAJP, ALK, LCB | July | $18\frac{1}{2}$ |
| Radial Points Picked..... | CHW, CLB | July | 19 |
| Adjacent Centers Picked..... | HGB, CLB, CHW | June | 9 |
| Templates..... | CHW, CLB, ECR | July, Aug. | $13\frac{1}{4}$ |
| Radial Plot..... | CAJP, FHE, CHW | Aug. | $3\frac{1}{4}$ |
| Radial Points Transferred..... | X | Aug. | 6 |
| Transfer Checked..... | FHE | Aug. | 2 |
| H & T Stations Scaled & Checked..... | | | |
| Additional Radial Points..... | | | |
| Investigation of Radial Points..... | LHZ | Aug. | 2 |
| | | Total | $87\frac{3}{8}$ |

DETAILING

| | | | |
|-------------------|-----|-------------|------------------|
| Rough Draft..... | LHZ | Aug., Sept. | $109\frac{1}{2}$ |
| Smooth Draft..... | | | |
| | | Total | $109\frac{1}{2}$ |

COMPILATION

| | | | |
|-------------------------|-----|-------|----|
| Name overlay..... | LHZ | Sept. | 25 |
| Descriptive Report..... | LHZ | Sept. | 8 |
| Field Review..... | ELM | Sept. | 18 |
| | | | 51 |

Total time spent on Sheet..... $250\frac{1}{4}$ hours

X=several of office personnel

1

COMPILED DESCRIPTIVE REPORT
TO ACCOMPANY
SHEET NO. T-8108

GENERAL

This survey sheet was compiled in accordance with "Instructions for Defense Mapping Project CS-278", dated March 4, 1942.

The general locality of the area covered by this sheet is Chesapeake Bay in the vicinity of the junction of Little Blackwater and Big Blackwater rivers.

The southern portion of the area covered by this sheet consists mainly of marsh and ponds. There is a small part in cultivation and in the southwest part it is covered with pine woods. The area along Little Blackwater river and Transquaking river is marsh and cultivated fields. The rest of the area consists of growths of pine woods and deciduous trees.

All roads indicated should be drafted 30 feet wide.

CONTROL

The following three triangulation stations fell within the tracing limits of the sheet and were used for control.

| <u>STATION</u> | <u>ESTABLISHED BY</u> | <u>YEAR</u> |
|-------------------------|----------------------------|-------------|
| Blackwater | G. W. Lovesee | 1942 |
| Refuge | " | 1942 |
| Fleming | W. D. Patterson | 1942 |
| Four Mile Lookout Tower | G. W. Lovesee | " |

MAIN RADIAL PLOT

A continuous radial plot was laid on August 13 and 14, 1942 to locate radial points, hydrographic and topographic stations, bench marks and photographic centers. The plot extended over the area covered by quadrangles 9, 10, 11, 23, 24, 25 and 37, (8108, 8109, 8110, 8119, 8117 & 8136.)

The usual practice of laying the main radial plot was followed. This consists of plotting and checking the control on the survey sheets and then transferring these points to base grid sheets by matching individual grid squares. The amount of adjustment in each grid square was negligible. The grid sheets were taped to the plotting table and allowed to remain for twenty-four hours before any templates were laid. Prior to laying the templates the base grid sheets were examined for movement and where such movement had occurred the grid sheets were given a final adjustment and all matched grid lines were in excellent agreement.

The plot consisted of twenty-four templates. Templates Nos. 8817 and 8822 showed 14 triangulation stations; template No. 8825 showed 11 triangulation stations; templates Nos. 8821, 8823, 8830 showed 10 triangulation stations; templates Nos. 8818, 8820, 8832, 8833, 9057 and 9058 showed 9 triangulation stations. Template number 8839 showed 8 triangulation stations. The remaining six templates showed from 2 to 6 triangulation stations.

See pages added in back of report for return of radial plot in office.
E.H.K.
Added to field edit sheet.

The templates which were most rigidly fixed by triangulation control were laid first. The templates having the least control were laid by rigidly holding what triangulation was available while at the same time holding well established points as determined by radial intersections of the previous more rigidly controlled templates. Agreement along the flight lines as well as intersections of radial lines to the adjacent photograph centers was excellent throughout.

No excessive tilt was encountered in any of the templates. Template No. 8831 was omitted because one of the chambers was apparently incorrect. Templates Nos. 8815 and 8833 were omitted because they were superfluous, ample excellent intersections already having been obtained by the surrounding templates.

This radial plot was laid by one Senior Engineering Aid, assisted by two Photogrammetric Aids. The time consumed in laying this plot amounted to 28 man hours.

All of the intersections were transferred from the radial plot to the survey sheets by again matching the grid squares to those of the base grid sheets. The majority of the points were located by common intersections of 4 to 6 radial lines. About 15 percent of the points were located by common intersections of three radial lines only. One percent of the points were located by two radial lines. Further investigation of these last named points is to be made by the individual detailers. No points were picked in triangles of error. Where such triangles of error occurred, the radial lines were transferred on to the survey sheets so that these points may be further investigated by the individual detailers. Triangles of error occurred in less than 0.5% of all points transferred.

It is believed that the excellent agreement of all of the templates along the flight lines, the ample and rigid control by triangulation stations, and the numerous common intersections of radial lines indicate that the positions of the picked points are not more than 0.25 m.m. from the correct location.

Various colored inks were used on the mounted office prints and on the survey sheets to designate triangulation, traverse and topographic stations, etc. The following key is furnished for this information :

Photographs (Office Prints)

| | |
|--|-----------------------|
| Triangulation & Traverse Stations..... | 2.5 m.m. blue circle |
| Marked Hydro & Topo Signals..... | 2.5 m.m. green circle |
| Radial Points (Main Plot)p..... | 2.5 m.m. red circle |
| Radial Points (Additional)..... | 3.5 m.m. red circle |
| Photograph Centers..... | Double Circle |

Survey Sheets

| | |
|-----------------------------------|--------------------------------|
| Triangulation Stations..... | 3.5 m.m. high black triangle |
| Hydro & Topo Stations..... | 2.5 m.m. black circle |
| Radial Points (Main Plot)..... | 2.5 m.m. purple circle on back |
| Radial Points (Additional)..... | 3.5 m.m. purple circle on back |
| Radial Points (Questionable)..... | 3.5 m.m. green circle on back |

INTERPRETATION OF PHOTOGRAPHS

The photographs were clear in most cases. A little difficulty was experienced in obtaining an accurate shoreline of some of the ponds in the marshy areas.

FIELD INSPECTION

Field inspection was made in April, May and June 1942 by T. A. Zary and J. C. Lajoie. The only field inspection done in the area covered by this sheet was in the marsh area. Since there was no field inspection for the classification of the wooded areas, these areas will have to be checked in the field by the field edit party.

The roads indicated were classified by the detailers with the help of a County map. All roads will have to be checked in the field before they can be considered correctly classified. Fleming R. M. No. 3 appears only on field print 13-408. The compiler was unable to pick it on the office photo because it was not shown on the picking card. It should be investigated in the field.

DETAILING

This sheet was detailed in accordance with the current instructions for the project. The detailing was taken from the following 9 lens photographs: 8811, 8810, 8813, 8814 and 8815, whose centers were within the tracing limits of the sheet. These were clear and the scale was good with the exception of a few areas.

There appears to be a dam or levee located near "Refuse" triangulation station. The appearance of the area behind the dam indicates that the land may have been cultivated at one time. This area has been detailed as marsh and the dam or levee indicated. The field edit party should investigate this area.

The stereoscope was used to trace the drainage through the wooded areas.

JUNCTIONS

This sheet joins sheet No. T-8107 on the East, T-8109 on the West, and ~~T-8128~~ on the South. All junctions are in agreement. *Three junctions are now 2/9/43*
T-8119 T-8243 on the north. J.R.
NON-FLOATING AIDS

There are no non-floating aids appearing on this sheet.

GEOGRAPHIC NAMES

Geographic names were taken from a geographic name sheet made up on a Geological Survey Quadrangle by the field party. A name overlay accompanies the sheet.

LANDMARKS

There are no prominent landmarks within the tracing limits of this sheet.

Forwarded by:
Kenneth G. Crosby
Kenneth G. Crosby, Chief of Party

Respectfully submitted,
Leland H. Zollars
Leland H. Zollars, Photo Aid

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FIELD EDIT DESCRIPTIVE REPORT TO ACCOMPANY
QUADRANGLE T-8108
PROJECT 278-C
F. L. Gallen, Chief of Party

46. The entire sheet was inspected by a two-man party in charge of J. K. Wilson. The wild life observation tower at 38-26-804.9 and 76-07-381.3 was spotted on the map by the field edit party.

Deletions are shown in green ink and additions in black ink.

47. The compilation is adequate. The Compiling Office did not use triangulation station FOUR MILE LOOKOUT TOWER, established by Lieut. Lovesee in 1942. This station was added to the map in the Salisbury Office. The position of this station fits the detail indicating good horizontal accuracy at this point. For other test points see the horizontal accuracy report, which is part of this report. There is no vertical accuracy test on this sheet.

Submitted by

*J. K. Wilson by
Emil H. Kusch.*

J. K. Wilson,
Engineering Aid

Approved:

F. L. Gallen

F. L. Gallen,
Chief of Party

POST-OFFICE ADDRESS: P.O.Box 49, Salisbury, Md.

TELEGRAPH ADDRESS:

EXPRESS ADDRESS:

826

T-8108

DEPARTMENT OF COMMERCE

U. S. COAST AND GEODETIC SURVEY

November 3, 1942.

KTA

To: Commander K. T. Adams,
U. S. Coast & Geodetic Survey,
Washington, D. C.

From: Lieut. Comdr. F. L. Gallen,
U. S. Coast & Geodetic Survey,
Salisbury, Maryland.

Subject: Horizontal Accuracy Test

There is a horizontal accuracy test on quadrangle T-8108, Project 278-C, which indicates some rather large compiling errors. This test was pointed out to you during your recent visit to Salisbury, and you asked to be advised when this map was forwarded to Washington.

The Field Edit copy of this quadrangle was forwarded to Washington via registered mail on October 30, 1942.

F. L. Gallen

F. L. Gallen, Lieut.-Comdr.
U.S. Coast & Geodetic Survey,
War Mapping Party Number 1



TESTS FOR HORIZONTAL ACCURACY
QUADRANGLE NO. T-8108
PROJECT 278-C

This test consists of a traverse between triangulation station FLEMING (1942), and triangulation station REFUGE (1942). The traverse is 6.94 statute miles in length and contains 15 test points, all of which are within the boundaries of this quadrangle. The traverse closure is one part in 73,900. Since the total closing error is only .15 meters, no adjustment of the discrepancy was made. The test points are referred to in the computations as P. P. No. (Photograph Point Number) and the test points as scaled from the map manuscript are referred to as M. M. No.

TABULATION OF TEST POINTS

| Description of Point | Test Point Number | Lat. | Long. | Difference in mm. |
|--|------------------------------|------------------------------|------------------------------|----------------------|
| Inter road and road 90° | P. P. No. 1 M. M. No. 1 | 38-28- 459.1 38-28- 448.0 | 76-01- 403.8 76-01- 378.6 | 1.377 |
| Inter road and road 90° | P. P. No. 2 M. M. No. 2 | 38-28- 85.9 38-28- 61.8 | 76-01- 964.4 76-01- 939.2 | 1.744 |
| Inter road & tree line. Less well defined | P. P. No. 3 M. M. No. 3 | 38-27-1592.4 38-27-1570.2 | 76-01-1023.2 76-01-1005.0 | 1.435 |
| 127' from 90° road inter. | P. P. No. 4 M. M. No. 4 | 38-27- 978.1 38-27- 986.3 | 76-01-1341.2 76-01-1327.2 | .811 |
| Inter road and tree line. Less well defined. | P. P. No. 5 M. M. No. 5 | 38-27- 905.7 38-27- 898.1 | 76-02- 454.6 76-02- 417.3 | 1.904 |
| Inter road and road 90° | P. P. No. 6 M. M. No. 6 | 38-27- 958.2 38-27- 967.9 | 76-02-1397.9 76-02-1387.1 | .725 |
| Inter road and ditch 90° | P. P. No. 7 M. M. No. 7 | 38-27- 745.4 38-27- 745.8 | 76-03- 267.7 76-03- 255.1 | .630 |
| Inter road and road 70° | P. P. No. 8 M. M. No. 8 | 38-27- 667.1 38-27- 671.2 | 76-03- 960.0 76-03- 958.6 | .267 |
| Inter road and road 50° | P. P. No. 9 M. M. No. 9 | 38-27- 15.3 38-27- 15.0 | 76-04- 459.6 76-04- 450.4 | .460 |
| Inter road and road 90° | P. P. No. 10 M. M. No. 10 | 38-26-1296.1 38-26-1300.2 | 76-04- 645.2 76-04- 639.3 | .359 |

TABULATION OF TEST POINTS
(Continued)

| Description of Point | Test Point No. | Lat. | Long. | Difference in mm. |
|----------------------------|----------------|--------------|--------------|----------------------|
| | P. P. No. 11 | 38-26-1414.8 | 76-04-1429.0 | |
| | M. M. No. 11 | Not compiled | | |
| ✓ Inter road & road 90° | P. P. No. 12 | 38-26-1431.8 | 76-05- 744.1 | |
| | M. M. No. 12 | 38-26-1426.9 | 76-05- 736.9 | .436 |
| ✓ Inter of 3 roads | P. P. No. 13 | 38-26-1697.4 | 76-05-1182.5 | |
| | M. M. No. 13 | 38-26-1692.4 | 76-05-1171.5 | .604 |
| | P. P. No. 14 | 38-26-1586.1 | 76-06- 573.1 | |
| | M. M. No. 14 | Not compiled | | |
| | P. P. No. 15 | 38-26-1499.2 | 76-06-1232.2 | |
| | M. M. No. 15 | Not compiled | | |

Due to lack of detail along this traverse, some of the test points are not well defined. Also, due to the heavy weight of lines on the map manuscript at some road intersections, it is questionable whether the exact position of the test point can be picked on the map manuscript for scaling. The largest errors of compiling are at the FLEMING end of the traverse which indicates that the field inspection, that is the picking of station FLEMING on the photograph, may have been in error.

Fifteen test points were selected in the field, but three of these points were not compiled. Of the twelve points tested, two namely: No. 3 and No. 5, may be considered as less well defined points since they consist of an intersection of a highway and tree lines. Forty percent of remaining ten well defined points meet the requirements of the instructions.

Submitted by

Emil H. Kirsch

Emil H. Kirsch
Lieutenant,
U.S. Coast & Geodetic Survey

Approved:

F. L. Gallen

F. L. Gallen
Chief of Party

28-PFA
1990

November 18, 1942

To: Lieutenant Commander K. G. Crosby,
U. S. Coast and Geodetic Survey,
1101 East Broadway,
Tampa, Florida.

From: The Director,
U. S. Coast and Geodetic Survey.

Subject: Accuracy Test on Topographic Quadrangle T-8108.

Several of the accuracy tests which were run by the field party on topographic quadrangles which had been compiled in your office showed horizontal position errors far in excess of that allowable. Two of these were 8108 and 8133.

The accuracy test on 8108 has been investigated in the Washington office and the map drawing revised in the area where the excessive errors occurred. The map positions now agree with the traverse positions well within the specified limits.

Although a field inspection position of triangulation "Fleming" was furnished by the field party it apparently was not used by your office in the radial line plot. This station could not be found plotted on either the office photograph or the field photograph. This is in spite of the fact that the Descriptive Report for T-8108 lists station "Fleming" among others as having been used for control.

For the replot which was made in this office station "Fleming" was transferred from the pricking card to the photographs and was the only additional control point used. After the completion of the radial plot in this office the positions used in the accuracy test were rescaled and a comparison was made with the positions as located by traverse.

For your information a photostat of the accuracy test as originally submitted by the field party and a separate sheet on which is shown comparable results after the work had been revised in this office are forwarded. There is also forwarded under separate cover a copy of T-8108.

This matter is being called to your attention so that if possible you can make an investigation and warn the employees about the maintenance of accuracy standards. A similar report will be made of any other accuracy tests which indicate excessive errors.

(SIGNED) F. H. HAWLEY

Acting Director.

Enclosure

RE-RUN OF THE RADIAL PLOT FOR QUADRANGLE T-8108

As the attached sheet indicates the radial plot positions agree well within the specified limits with the Traverse positions.

In the original radial line plot, or the radial line plot laid in the field office, the \triangle "Fleming" was not used as a control point. This triangulation station had been field inspected but was never transferred to the office photos which are the photos from which the radial line plot is made. For the re-run of this radial line plot \triangle "Fleming" was transferred to the photos and was the only additional control point used. This control point also happened to be one end of the accuracy test traverse line.

After completing the radial plot the positions for the check points were scaled and a comparison made with the traverse, with the results as shown on the attached sheet.

RESULTS OF RE-RUN OF THE RADIAL PLOT FOR QUADRANGLE NO. T-8108

| Photo Point | Compilation Position | Traverse Position | Diff. Meters | Resultant Diff. | Diff. Mm. |
|-------------|--------------------------|----------------------|-----------------|--------------------|--------------|
| No. 1 | 38-28- 456 76-01- 408 | 459 404 | 3 4 | 5 | .25 |
| No. 2 | 38-28- 79 76-01- 970 | 86 964 | 7 6 | 9 | .45 |
| No. 4 | 38-27- 978 76-01-1349 | 978 1341 | 0 8 | 8 | .40 |
| No. 6 | 38-27- 960 76-02-1401 | 958 1398 | 2 3 | 34 | .15 |
| No. 7 | 38-27- 740 76-03- 272 | 745 268 | 5 4 | 6 | .30 |
| No. 8 | 38-27-672 76-03- 968 | 667 960 | 5 8 | 9 | .45 |
| No. 9 | 38-27- 8 76-04- 461 | 15 460 | 7 1 | 7 | .35 |
| No. 10 | 38-26-1295 76-04- 647 | 1296 645 | 1 2 | 2 | .01 |
| No. 12 | 38-26-1426 76-05- 749 | 1432 744 | 6 5 | 8 | .40 |
| No. 13 | 38-26-1690 76-05-1180 | 1697 1183 | 7 3 | 74 | .35 |

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

LANDMARKS FOR CHARTS AERONAUTICAL CHARTS

TO BE CHARTED }
TO BE DELETED }
STRIKE OUT ONE

Salisbury, Maryland.
October 23, 1934

I recommend that the following objects which have *(not been)* 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.

F. Galbreath.

H. L. Gallen

Chief of Party.

[illegible]

Copy to Chart Div.

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

U. S. GOVERNMENT PRINTING OFFICE

ABBREVIATIONS

ROADS

- W — Width (feet bet. shoulders)
- P — Private road
- OP — Overpass
- UP — Underpass
- X — Abandoned trail, road, etc.
- RR — Railroad tracks; as 2 tracks

WOODS CLASSIFICATION

Density Classification

- 1 — Scattered
- 2 — Thinly wooded
- 3. — Heavily wooded
- 4 — Densely wooded

Types of woods

- D — Deciduous
- P — Evergreen and pine
- R — Brush
- S — Scrub
- Y — Cypress
- L — Young trees (LP—young pines
LD—young deciduous trees)

SHORE LINE

- HWL — Mean high water; fast land
- LWL — Low water line
- LL — Light line; marsh shore line
- M — Marsh inshore limits
- MW — Marsh grass in water
- Dk — Dock
- Pier — Pier
- Se W — Sea wall
- Bkhd — Bulkhead
- Jet — Jetty
- Dol — Dolphin
- Pile — Pile
- S — Sand
- Mud — Mud
- Rk — Rock or rocky
- Sty — Stony
- Conc — Concrete
- Wo — Wood
- Blf — Bluff
- Dune — Dune

BOUNDARIES

- F — Fence
- Sty F — Stone fence
- F B — Fire Break
- Hdg — Hedge
- Park — Park
- Cem — Cemetery
- Co — County
- Md. — Maryland
- Va. — Virginia
- Bdy — Boundary

VEGETATION

- C — Cultivation
- Gr — Grass

BUILDINGS

- Ho — House
- Ba — Barn
- Sh — Shed
- Bldg — Building
- Bo Ho — Boat House
- Ch — Church (give name)
- Ct Ho — Court House (give name)
- P O — Post Office (give name)
- Sch — School (give name)
- Hos — Hospital (give name)
- RR Sta — Railroad station
- Sto — Country store or gas sta.
- P Sta — Power Station
- Ck H — Chicken House
- D — Dwelling

LANDMARKS

- FT — Fire tower
- TT — Transmission tower
- RT — Radio Tower or mast
- Air Bn — Airway beacon
- Bn — Non-lighted aid to navigation
- Lt — Lighted aid to navigation
- Tk — Low tank
- Tk elev — Tall tank
- Stk — Stack

STREAMS, PONDS & BRIDGES

- D — Largest ditches only
- DX — Small
- IS — Intermittent stream
- PD — Probable drainage
- Cr — Creek
- Ca — Canal
- Brg — Bridge, (capacity & clearance)
- Cv — Culvert (capacity)
- Lev — Levee
- Dam — Dam
- P — Pond
- IP — Intermittent pond

ROAD CLASSIFICATION FOR MAPS OF ALL SCALES

| CLASS | LABEL | STRUCTURE | LOADING |
|-------|---|---|---|
| 1 | Dependable hard-surface heavy duty road. | Concrete, asphaltic concrete bituminous Macadam, H-15 type structures. | Will bear heaviest loads with little maintenance. |
| 2 | Secondary, hard-surface all-weather road. | Surface-treated, oiled gravel, waterbound Macadam, structures generally lighter than H-15 but sturdy. | Will bear fairly heavy military loads in all weather if maintained. |
| 3 | Loose-surface graded, dry-weather road. | Gravel or stone surface, stable material, selected sand-clay, etc. Drained and graded. | Will bear light military loads in good weather. |
| 4 | Unimproved road. | Graded and drained earth, with very light structure. | Generally unsuitable for military loads. |
| 4U | Truck road | Woods roads, farm roads, etc. over which a standard gage vehicle can be driven. | |
| 5 | Trail | (Horse trails, foot trails, etc.) | |

Roads with more than two (2) lanes are indicated by note along road, e. g. 3 LANE. Change in lanes shown by tick at point of change. Main roads have two lanes unless otherwise marked.

Private roads are designated by the letter P after the road classification.

WOODS CONCEALMENT CLASSIFICATION

- Class A: Trees over 10' high and thick enough to hide troops.
- Class B: Brush thick enough to hide troops but dense enough to impede progress.
- Class C: Scattered brush thick enough to hide troops but not thick enough to impede progress.

GEOGRAPHIC NAMES LIST
FOR T # 8108

- ✓ Backgarden Creek R (~~Bear Garden Creek~~)
- ✓ Backgarden Pond R (~~Bear Garden Pond~~)
- ✓ Barbadoes Pond
- ✓ Barnes Landing
- ✓ Blackwater National Wild Life Refuge
- ✓ Blackwater River — *referred to us. on re*
- ✓ ~~Booze Ditch~~ (Coles Creek R) — *Referred to us. on re*
- ✓ Bucktown
- ✓ ~~Bullock Pond~~ (~~Bullock~~ Pond R)
- ✓ Coulson Pond
- ✓ Harpers Pond
- ✓ Keen Ditch
- ✓ Little Blackwater River
- ✓ Otter Pond
- ✓ ~~Raymond Ditch~~ (Raymond Pond R)
- ✓ Robbins Landing
- ✓ Round Pond
- ✓ Scotland Creek
- ✓ ~~Shorters Landing~~ (~~Shorters Wharf R~~)
- ✓ Simons Ditch
- ✓ Snarepole Gut
- ✓ Swan Pond
- ✓ Transquaking River
- ✓ Twin Ponds

✓ Add:
✓ Meekins Creek

*Big Blackwater River.
to us. on re
to us. on re apply Coles Creek*

NAMES FOUND ON GEOGRAPHIC NAMES LIST
NOT SHOWN ON COMPILATION FOR T -8108

- ✓ Back Landing
- ✓ Barbadoes Island
- ✓ Beaverdam Pond
- ✓ Becker's Island
- ✓ Becker's Island Marsh
- ✓ Between the Dams
- ✓ Big Island
- ✓ Blackwater Pond — *Listed*
- ✓ Bluff Island
- ✓ Bullocks Creek
- ✓ Bullocks Island
- ✓ Bull Point
- ✓ Bull Point Island
- ✓ Bunker's Hill
- ✓ Bunker's Hill Pond
- ✓ Cabin Creek R. (Fish Ditch)
- ✓ Cabin Island
- ✓ Cattail Pond
- ✓ Chashtown
- ✓ Clem's Ditch R. (Fish Ditch)
- ✓ Cold Comfort Island
- ✓ Cold Comfort Marsh
- ✓ Cobs Creek Broads *Cobs*
- ✓ Coulson Pond Creek
- ✓ Cow Ditch R. (Clem's Ditch)
- ✓ Cow Point Marsh
- ~~Cross Roads~~ ?
- ✓ DeCoursey Bridge
- ✓ Dragon Swamp
- ✓ Eagle Nest Gut
- ✓ Eagle Nest Point } *one word*
- ✓ Flag Pond
- ✓ Goose Pond
- ✓ Green Brier Swamp — *Listed*
- ✓ Guinea Marsh
- ✓ Harpers Marsh
- ✓ Harts Ridge
- ✓ Hobity Gut
- ✓ Hog Rooting Pond — *Listed*
- ✓ House Point
- ✓ Hugh's Dam Creek
- ✓ Indianbone
- ✓ Jabey Gut
- ✓ Jabey Island
- ✓ Joes Point
- ✓ Joes Point Marsh
- ✓ Johns Lucky Pond
- ✓ Keene's Ditch Marsh
- ✓ Kentuck Marsh
- ✓ Lans Pond

NAMES FOUND ON GEOGRAPHIC NAMES LIST
NOT SHOWN ON COMPILATION FOR T - 8108
(Continued)

- ✓ Longfield
- ✓ Long Point Island
- ✓ Long Pond
- ✓ Lot Lane
- ✓ McGraws Island — *McGraws Creek Marsh?*
- ✓ Middle Ridge
- ✓ Muddy Gut — *Pear Tree Island*
- ✓ Rhode Island — *Pitchardum Creek*
- ✓ Robbins
- ✓ Round Pond Gut
- ✓ Seward — *Listed*
- ✓ Shell Kiln Landing
- ✓ Shorters Creek
- ✓ Shorters Wharf Marsh
- ✓ Shorters Creek Pond
- ✓ Squirrel Point *Marsh.*
- ✓ Sunken Island
- ✓ Sunken Island Creek
- ✓ Sunken Island Marsh
- ✓ Swan Pond Marsh
- ✓ The Canal *T 8107*
- ✓ Turtle Pond
- ✓ Twins Ponds Marsh
- ✓ Waterbush Island
- ✓ Wolfpit Marsh
- ✓ Wolfpit Pond — *Listed*

Remarks

Decisions

| | | |
|-------|--|------------|
| 1 | | 384760 |
| 2 | | " |
| 3 | | " U.S.G.B. |
| 4 | | " |
| 5 | | " |
| 6 | | " |
| 7 | | " |
| 8 | | " |
| 9 | | " |
| 10 | | " |
| 11 | | 384761 |
| 12 | | " |
| 13 | | " |
| 14 | | " |
| 15 | | 383760 |
| 16 | Reported local name of Big Blackwater River referred to USGB: decision will be available before final preparation of this sheet. | " |
| 17 | Board's decision = Blackwater River | " U.S.G.B. |
| 18 | | " |
| 19 | | " |
| 20 | Referred to USRB: apply Coles Creek pending its decision; Board adopted Coles Creek. | " |
| 21 | | " |
| 22 | | " |
| 23 | | " |
| 24 | | 383761 |
| 25 | Change name on sheet to agree with this newly adopted official form of the name. | 384760/61 |
| 26 | Get exact application and location from name sheet | " |
| 27 | | 384760 |
| M 234 | | |

GEOGRAPHIC NAMES

Survey No. T-8108

"Blackwater River" quad.

No. 1

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 | |
|---------------------------------------|-----------------------|---------------------------------|-----------------------------------|---------------------------------|---------------------|--------------------------|--------------------------|------------------------|---|----|
| ✓ Scotland Creek | | | | | | | | | | 1 |
| ✓ Bucktown | | | | | | | | | | 2 |
| ✓ Backgarden Pond | | | | | | | | | | 3 |
| ✓ Little Blackwater River | | | | | | | | | | 4 |
| ✓ Harpers Pond | | | | | | | | | | 5 |
| ✓ Round Pond | | | | | | | | | | 6 |
| ✓ Barbados Pond | | | | | | | | | | 7 |
| ✓ Moones Ditch | | | | | | | | | | 8 |
| ✓ Simons Ditch | | | | | | | | | | 9 |
| ✓ Bullock Pond | | | | | | | | | | 10 |
| ✓ Coulton Pond | | | | | | | | | | 11 |
| ✓ Raymond Pond | | | | | | | | | | 12 |
| ✓ Meekins Creek | | | | | | | | | | 13 |
| ✓ Twin Ponds | | | | | | | | | | 14 |
| ✓ Transucking River | | | | | | | | | | 15 |
| ✓ Blackwater River | | | | | | | | | | 16 |
| ✓ Backgarden Creek | | | | | | | | | | 17 |
| ✓ Robbins Landing | | | | | | | | | | 18 |
| ✓ Shorters Wharf | | | | | | | | | | 19 |
| ✓ Coles Creek | | | | | | | | | | 20 |
| ✓ Swan Pond | | | | | | | | | | 21 |
| ✓ Otter Pond | | | | | | | | | | 22 |
| ✓ Snarepole Cut | | | | | | | | | | 23 |
| ✓ Barnes Landing | | | | | | | | | | 24 |
| ✓ Blackwater National Wildlife Refuge | | | | | | | | | (official name, adopted about 1 year ago) | 25 |
| ✓ Seward | | | | | | | | | | 26 |
| ✓ Green Bridge Swamp | | | | | | | | | | 27 |

Remarks.

Decisions

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| 1 | | 383760 |
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| 10 | | |
| 11 | | |
| 12 | | |
| 13 | | |
| 14 | | |
| 15 | | County Maps |
| 16 | | " |
| 17 | | " |
| 18 | | " |
| 19 | | " |
| 20 | | " |
| 21 | | " |
| 22 | | " |
| 23 | | |
| 24 | | 383760 |
| 25 | | " |
| 26 | | " |
| 27 | | " |

GEOGRAPHIC NAMES

Survey No. T-8108

No. 2

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>Blackwater Pond</u> | | | | | | | | | | 1 |
| ✓ <u>Wolf pit Pond</u> | | | | | | | | | | 2 |
| ✓ <u>Hog Rooting Pond</u> | | | | | | | | | | 3 |
| | | | | | | | | | | 4 |
| The remaining names in the descriptive report listed as "not shown on Compilation" have been checked and several corrections have been noted. Since they are all new names, it will be necessary to wait for the name sheet (former USGS "Japan" quadrangle) before they can be exactly located. | | | | | | | | | | 5 |
| | | | | | | | | | | 6 |
| | | | | | | | | | | 7 |
| It would appear that at least some of these new names should be applied particularly the various settlements shown, such as Chashtown, Indianboro, Longfield, and Robbins, and some of the other larger features in the northern half of the new quadrangle. | | | | | | | | | | 8 |
| | | | | | | | | | | 9 |
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| | | | | | | | | | | 13 |
| <u>Additional names, listed Feb. 15, 1943:</u> | | | | | | | | | | 14 |
| <u>Drawbridge No. 11</u> | | | | | | | | | | 15 |
| <u>Salem No. 17</u> | | | | | | | | | | 16 |
| <u>Cambridge No. 7</u> | | | | | | | | | | 17 |
| <u>Lakes No. 5</u> | | | | | | | | | | 18 |
| <u>Church Creek No. 9</u> | | | | | | | | | | 19 |
| <u>Dorchester County</u> | | | | | | | | | | 20 |
| <u>Talbot County</u> | | | | | | | | | | 21 |
| <u>Bucktown No. 13</u> | | | | | | | | | | 22 |
| | | | | | | | | | | 23 |
| ✓ <u>Becker Island</u> | | | | | | | | | | 24 |
| ✓ <u>Becker Island Marsh</u> | | | | | | | | | | 25 |
| ✓ <u>Goose Pond</u> | | | | | | | | | | 26 |
| ✓ <u>Robbins</u> | | | | | | | | | | 27 |

Remarks

Decisions

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|----|----------------------------|--------|
| 1 | | 383760 |
| 2 | | " |
| 3 | | " |
| 4 | | " |
| 5 | | " |
| 6 | | 383761 |
| 7 | Settlement | 384760 |
| 8 | | " |
| 9 | Small scattered settlement | " |
| 10 | | " |
| 11 | Scattered settlement | " |
| 12 | | " |
| 13 | Settlement | " |
| 14 | " | " |
| 15 | | " |
| 16 | | " |
| 17 | | " |
| 18 | | " |
| 19 | | " |
| 20 | | " |
| 21 | | " |
| 22 | | 384761 |
| 23 | | " |
| 24 | | " |
| 25 | | " |
| 26 | | " |
| 27 | | |

GEOGRAPHIC NAMES

Survey No. 8108

No. 3

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>Shorters Marsh</u> | | | | | | | | | | 1 |
| ✓ <u>Swan Pond Marsh</u> | | | | | | | | | | 2 |
| ✓ <u>Groges Point</u> | | | | | | | | | | 3 |
| ✓ <u>Lans Pond</u> | | | | | | | | | | 4 |
| ✓ <u>Wolfpit Marsh</u> | | | | | | | | | | 5 |
| ✓ <u>Dragon Swamp</u> | | | | | | | | | | 6 |
| ✓ <u>Indianbone</u> | | | | | | | | | | 7 |
| ✓ <u>De Coursey Bridge</u> | | | | | | | | | | 8 |
| ✓ <u>Lot Lane</u> | | | | | | | | | | 9 |
| ✓ <u>Hughs Dam Creek</u> | | | | | | | | | | 10 |
| ✓ <u>Between the Dams</u> | | | | | | | | | | 11 |
| ✓ <u>Pitcherdam Creek</u> | | | | | | | | | | 12 |
| ✓ <u>Longfield</u> | | | | | | | | | | 13 |
| ✓ <u>Clashtown</u> | | | | | | | | | | 14 |
| ✓ <u>Bunker Hill</u> | | | | | | | | | | 15 |
| ✓ <u>Squirrel Point Marsh</u> | | | | | | | | | | 16 |
| ✓ <u>Shorts Creek Pond</u> | | | | | | | | | | 17 |
| Shorts Creek ////// | | | | | | | | | | 18 |
| ✓ <u>Harpers Marsh</u> | | | | | | | | | | 19 |
| ✓ <u>Back Landing</u> | | | | | | | | | | 20 |
| ✓ <u>Bullock Creek</u> | | | | | | | | | | 21 |
| ✓ <u>Kentuck Marsh</u> <i>Swamp</i> | | | | | | | | | | 22 |
| ✓ <u>Bull Point</u> | | | | | | | | | | 23 |
| ✓ <u>Bull Point Island</u> | | | | | | | | | | 24 |
| ✓ <u>Twin Ponds Marsh</u> | | | | | | | | | | 25 |
| ✓ <u>Sunken Island Marsh</u> | | | | | | | | | | 26 |
| The foregoing names are those of the larger features newly named. | | | | | | | | | | 27 |

T-8108

No 4

Remarks.

Decisions

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| M 234 | | |

GEOGRAPHIC NAMES

Survey No. T-8108

No. 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 | |
|---|-----------------------|---------------------------------|-----------------------------------|---------------------------------|---------------------|--------------------------|--------------------------|------------------------|---|----|
| The following new names are approved, and may be applied if the | | | | | | | | | | 1 |
| features in question appear to be clearly enough defined: | | | | | | | | | | 2 |
| <u>Barbedoes Island</u> | | | | | | | | | | 3 |
| <u>Beaverdam Pond</u> | | | | | | | | | | 4 |
| <u>Big Island</u> | | | | | | | | | | 5 |
| <u>Bluff Island</u> | | | | | | | | | | 6 |
| <u>Bullock Island</u> | | | | | | | | | | 7 |
| <u>Bunker Hill Pond</u> | | | | | | | | | | 8 |
| <u>Cabin Island</u> | | | | | | | | | | 9 |
| <u>Cattail Pond</u> | | | | | | | | | | 10 |
| <u>Cold Comfort Island</u> | | | | | | | | | | 11 |
| <u>Cold Comfort Marsh</u> | | | | | | | | | | 12 |
| <u>Coulson Pond Creek</u> | | | | | | | | | | 13 |
| <u>Coles Creek Broads</u> | | | | | | | | | | 14 |
| <u>Cow Point Marsh</u> | | | | | | | | | | 15 |
| <u>Eaglenest Gut</u> | | | | | | | | | | 16 |
| <u>Eaglenest Point</u> | | | | | | | | | | 17 |
| <u>Flag Pond</u> | | | | | | | | | | 18 |
| <u>Harts Ridge</u> | | | | | | | | | | 19 |
| <u>Hobity Gut</u> | | | | | | | | | | 20 |
| <u>House Point</u> | | | | | | | | | | 21 |
| <u>Jabez Gut</u> | | | | | | | | | | 22 |
| <u>Jabez Island</u> | | | | | | | | | | 23 |
| <u>Joes Point</u> | | | | | | | | | | 24 |
| <u>Joes Point Marsh</u> | | | | | | | | | | 25 |
| <u>Johns Lucky Pond</u> | | | | | | | | | | 26 |
| <u>Keenes Ditch Marsh</u> | | | | | | | | | | 27 |

Remarks

Decisions

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| 27 | | |
| M 234 | | |

GEOGRAPHIC NAMES

Survey No. T-8108

No. 5

Name on Survey

| | On Chart No. | On previous survey No. | On U. S. quadrangle Maps | From local information | On local Maps | P. O. Guide or Map | Rand McNally Atlas | U. S. Light List | |
|----------------------------|-------------------------------|---------------------------|-----------------------------|---------------------------|---------------|--------------------|--------------------|------------------|----|
| A, | B, | C, | D | E | F | G | H | K | |
| <u>Long Point Island</u> | | | | | | | | | 1 |
| <u>Long Pond</u> | | | | | | | | | 2 |
| <u>McGraws Island</u> | | | | | | | | | 3 |
| <u>Middle Ridge</u> | | | | | | | | | 4 |
| <u>Muddy Gut</u> | | | | | | | | | 5 |
| <u>Peartree Island</u> | | | | | | | | | 6 |
| <u>Rhode Island</u> | | | | | | | | | 7 |
| <u>Round Pond Gut</u> | | | | | | | | | 8 |
| <u>Shell Kiln Landing</u> | | | | | | | | | 9 |
| <u>Shorters Creek</u> | | | | | | | | | 10 |
| <u>Squirrel Point</u> | (2 small islands above marsh) | | | | | | | | 11 |
| <u>Sunken Island</u> | | | | | | | | | 12 |
| <u>Sunken Island Creek</u> | | | | | | | | | 13 |
| <u>Turtle Pond</u> | | | | | | | | | 14 |
| <u>Waterbush Island</u> | | | | | | | | | 15 |
| <u>Cabin Creek</u> | | | | | | | | | 16 |
| <u>Clems Ditch</u> | | | | | | | | | 17 |
| <u>Cow Ditch</u> | | | | | | | | | 18 |
| | | | | | | | | | 19 |
| | | | | | | | | | 20 |
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Names underlined in red
L. HECT 2/15/43

DIVISION OF CHARTS

SURVEYS BRANCH

Review of Air Photographic Survey T-8108
(Blackwater Quadrangle) February, 1943

This and the adjoining air photographic surveys were made for the preparation of topographic quadrangles for the War Department. The main divisions of the field surveys and office compilation in preparing these quadrangles are listed as follows for future reference:

FIELD WORK

1. Air photography
2. Field inspection for the identification of control and for the classification and clarification of planimetric details on the photographs.
3. Leveling and contouring: Contouring was accomplished by planetable directly on prints of the air photographs.

PHOTOGRAMMETRIC OFFICES

4. Compilation of all planimetric details and of contours from the photographs onto a celluloid manuscript: This compilation of details was accomplished for all of the war mapping quadrangles in either the Baltimore or Tampa Photogrammetric Office.

FIELD WORK

5. Field edit and completion surveys: Upon completion of the manuscripts, prints were furnished to the field party for ground examination of the maps as to completeness. Necessary corrections were made by planetable. These surveys included systematic horizontal and vertical accuracy tests which are recorded in special reports.

WASHINGTON OFFICE

6. Review: Following the field edit the maps were reviewed in the Washington Office as regards conformance to specifications and to prepare them for smooth drafting.
7. Drafting and reproduction: Smooth color separation drawings were made on metal-mounted blue lines and the quadrangles were printed from these drawings.

The check list containing a record of all work in the Washington Office is filed in the Photogrammetric Section.

The map manuscript was compiled at the scale of 1:20,000 and includes information of interest to this Bureau, not all of which was shown on the printed quadrangle. For this reason a cloth-backed copy of the rough drawn manuscript will be filed in the vault, together with a cloth-backed copy of the printed quadrangle.

For political boundaries, woodland, marsh, and swamp limits, refer to the printed quadrangle for the finally adopted positions.

Contemporary Hydrographic Surveys

None

Comparison with Previous Topographic Surveys

| | | |
|--------|----------|------|
| T-267 | 1:20,000 | 1849 |
| T-2549 | 1:20,000 | 1901 |

In the small areas common to these surveys T-8108 completely supersedes for all details.

Comparison with Contemporary Topographic Surveys

| | | |
|--------|----------|------|
| T-5719 | 1:10,000 | 1941 |
| T-5720 | 1:10,000 | 1941 |

These older air photo compilations are superseded in the common area by T-8108 except for greater detail such as fences, minor ditches, etc. which could not be shown on the small scale of the present survey.

Comparison with Nautical Chart 1225

No large significant differences exist. T-8108 has not been applied to the nautical charts.

Comparison with Published Quadrangles

"Crapo" 1:62,500 U.S.G.S. 1905

Except for the 10 foot contour lines, T-8108 is adequate to supersede this older survey throughout the common area.

Radial Plot and Detailing

The horizontal accuracy test on this quadrangle revealed error in positions of major details exceeding the allowable tolerance. Consequently, the northern part was replotted and completely redetailed in the Washington Office. See office report concerning this operation attached to this report.

The field inspection and field edit overlooked much minor drainage, and swamp areas were not completely delineated. Much revision of this type of detail was done in the office during the course of review.

Junction with T-8243 was not checked during review because the survey sheet was not available in this office.

Reviewed under direction of D. H. Benson

Inspected by R. M. Berry and B. G. Jones *MBJ*

Robert W. Knox

Chief, Surveys Branch

K.T. Adams

Chief, Section of Topography

J.S. Borden

Chief, Division of Charts

G. Thode

Chief, Division of Coastal
Surveys