

8174

Form 504  
Rev. June 1941  
DEPARTMENT OF COMMERCE  
U. S. COAST AND GEODETIC SURVEY

# DESCRIPTIVE REPORT

## Air Photographic

## Sheet

SECRET No. T-8174

## Rheumatoid Arthritis

(Field)

(Field)  
**Quadrangle Nassawadox**

### LOCALITY

State Virginia

General locality Outer Coast

Locality Nassawadox

194 2

**CHIEF OF PARTY**

Lieut. Comdr. Kenneth G. Crosby

~~Lieut. Comdr. Wm. D. Patterson~~

June 13, 1945

## DATA RECORD

T- 8174

Quadrangle (II): Nassawadox

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): 3-4-42

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

Completed survey received in office: 11/10/42

Reported to Nautical Chart Section: 11/42

Reviewed: 4/3/43

Applied to chart No.

Date:

Redrafting Completed: 9/44

Registered: ~~4/31/45~~ 6/13/45

Published: 2/3/44

Compilation Scale: 1:20,000

Published Scale: 1:31,680

Scale Factor (III): 1:000

Geographic Datum (III): N. A. 1927 Datum Plane (III): M.S.L.

Reference Station (III): Nassawadox, 1932

Lat.: 37°28'48".508 (1495.5 m) Long.: 75°51' 21."869 (537.3 M) Adjusted  
~~Unadjusted~~

State Plane Coordinates (VI):

X = 2767,108.21

Y = 428,275.62

Military Grid Zone (VI) "A"

PHOTOGRAPHS (III)

<u>Number</u>	<u>Date</u>	<u>Time</u>	<u>Scale</u>	<u>Stage of Tide</u>
8563	Apr. 13, 1942	12:09 P.M.	1:20,000	-0.2
8564	"	12:11 P.M.	"	-0.2
8585	"	12:53 P.M.	"	-0.5
8586	"	12:57 P.M.	"	-0.5
8587	"			-0.5

Tide from (III): Predicted tides, Upshur Neck, Eastern shore Va.

Mean Range: 4.4 feet      Spring Range: 5.3 feet

Camera: (Kind or source) U.S.C. & G. S. Nine lens camera (focal length 8 1/4")

Field Inspection by: C.O.Rector, C.Hanavich,      date: 5/29/42  
A.M. Jylha      9/15/42

Field Edit by: Louis Levin, Asst. Photo. Aid      date: 12/42

Date of Mean High-Water Line Location (III): April 13, 1942.

Projection and Grids ruled by (III) Wash. Off.      date: 9/17/42

" " " checked by: " "      date:

Control plotted by: L. H. Zollars, Photo. Aid      date: 9/23/42

Control checked by: C. Baily, Photo. Aid.      date: 9/23/42

Radial Plot by: Tampa Office Personnel      date: 9/28/42

Detailed by: Ieland H. Zollars, Photo. Aid      date: 10/2/42

Reviewed in compilation office by: J.A.Giles, Prin. Photo. Aid      date: Oct. 1942  
A.L.Kidwell, Jr.  
Topo. Engr.

Elevations on Field Edit Sheet  
checked by: Salisbury Office      date: 11/42

STATISTICS (III)

Land Area (Sq. Statute Miles): 26

Shoreline (More than 200 meters to opposite shore): 17.5

Shoreline (Less than 200 meters to opposite shore): 108.0

Number of Recoverable Topographic Stations established: 1

Number of Temporary Hydrographic Stations located by radial plot: 3

Leveling (to control contours) - miles: 11

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:

COMPILATION REPORT  
TO ACCOMPANY  
SHEET No. T-8174  
Nassawadox Quadrangle

CONTROL

There was but a small amount of triangulation control which fell on the sheet. Three stations were located by F.I.P.'s and some difficulty was had in trying to hold to them in the radial plot. It is thought that most of the detailing will fall within the allowable limit of error.

RADIAL PLOT

The main radial plot was discussed in the descriptive report for sheet T-8173.

DETAILING

Photographs 8585 and 8587 could not be used due to being of very poor scale.

The field inspection was satisfactory except in a few small areas. In these areas, the photographs were clear enough to do accurate detailing without field notes.

Wooded areas not classified in the field were classified in the office by comparison with similar areas that has been field inspected.

SUPPLEMENTAL DATA

No graphic control surveys of this Bureau or maps and plans of any other organization were used to supplement the photographs.

LANDMARKS AND AIDS TO NAVIGATION

Six non-floating aids to navigation fall on the sheet. Five of these were located by triangulation in 1934. Sextant fixes were taken on these by the field party. These fixes check the triangulation positions of four and disagree with one (Great Machipongo River Light 3, triangulation Station "Flashing 3".) However, this fix and the fix locating Great Machipongo River Light 4 were very poor. The approximate positions of these two lights are plotted but the locations should be rechecked in the field.

*See form 567 at back - submitted by Gallen*  
Geographic positions of the other four lights are shown on the attached form 567.

HYDROGRAPHIC CONTROL

One recoverable and three temporary topographic stations suitable for the control of hydrographic surveys were located by the radial plot. The geographic positions of these stations are shown on Forms 524.

COMPARISON WITH EXISTING TOPOGRAPHIC QUADRANGLES

In comparing the sheet with the Eastville, Virginia, Quadrangle, (published by the Corps of Engineers, U. S. Army, in 1938), numerous discrepancies

were noted. These discrepancies were mostly in the marsh areas and were no doubt caused by storms.

COMPARISON WITH NAUTICAL CHARTS

A comparison was made with U. S. C. & G. S. Chart No. 1221 published June 1937. The same discrepancies noted under the previous heading are also shown on the chart. The map compilation adequately portrays all topographic details and should supersede the charted information.

Respectfully submitted,

Leland H. Zollars, *L.H.Z.*  
Photogrammetric Aid

Forwarded by:

*Kenneth G. Crosby*  
Kenneth G. Crosby  
Chief of Party....

FIELD EDIT REPORT  
Quadrangle T-8174  
Project CS-278-C  
F.L. Gallen, Chief of Party

1. The area in this quadrangle is comprised mainly of marsh area (about 75%) and the remainder cultivated and wooded area.
15. Bridge classification was carried out in accordance with the instructions.
17. Political boundaries were obtained from maps issued by the Virginia State Roads Commission and were verified in the field.
18. Geographic names were taken from a special report CS-278-C submitted by A. J. Wraight, Photogrammetric Aid.
46. All additions were made in the field on the map manuscript and transferred to the smooth copy on completion. The inking was done in accordance with the following scheme:

<u>FEATURE</u>	<u>COLOR</u>
Additions, wye levels, and bench marks	Black
Deletions	Green
Drainage features	Blue
Political boundaries	Purple
Vertical accuracy test	Orange

47. The location of the detail is believed to be complete.

The horizontal accuracy test (see sheet attached to this report on the tabulation of test points) is not within the requirements of the instructions. There appears to be an error in the plotting of Triangulation Station TANKARD 1942 on map manuscript T-8175.

48. A report on the horizontal accuracy test is submitted with this report.

A Vertical accuracy test was run in the vicinity of Lat.  $37^{\circ}26'.5$  and Long.  $75^{\circ}51'.4$ . This is shown by black dots connected by orange lines. The black dots indicate the elevations ascertained in the field.

Submitted by

Lou Levin  
Lou Levin,  
Asst. Photogrammetric Aid

Approved by:

F. L. Gallen  
F. L. Gallen, Chief of Party



TESTS FOR HORIZONTAL ACCURACY  
QUADRANGLE NO. T-8174  
CS-278-C (PROJECT)

This test consists of a traverse between Triangulation Station EXMORE(1942) and Triangulation Station TANKARD(1942). The traverse is 10.80 miles in length and contains 22 test points; 10 of which are within the boundaries of this quadrangle. The traverse closure is one part in 11,970 and a discrepancy of 1.451 meters was adjusted through the traverse. The test points are referred to in the computations as P. P.(Photograph point number)and the test points are scaled from the map manuscript and referred to as M. M. No.

TABULATION OF TEST POINTS

Description of Point	Test Point Number	Lat.	Long.	Difference in mm.	
Inter. of road & road, 85 degrees	P. P. No. 8 M. M. No. 8	37-29-1421.0 37-29-1439.4	75-50-1008.6 75-50-1025.8	1,259	1
Inter. of road & tree line, 85 degrees	P. P. No. 9 M. M. No. 9	37-29-1191.3 37-29-446.7	75-50-1130.2 (P. P. computed 75-50-78.7 - incorrectly)		2
Inter. of road & road, 90 degrees	P. P. No. 10 M. M. No. 10	37-28-1632.0 37-28-1644.1	75-51-401.1 75-51-418.8	1.071	3
Inter. of road & road, 60 degrees	P. P. No. 11 M. M. No. 11	37-28-978.5 37-28-971.3	75-51-745.7 75-51-770.0	1.260	4
Center of R.R. Station facing road	P. P. No. 12 M. M. No. 12	37-28-843.6 37-28-859.0	75-51-817.3 75-51-831.4	1.045	
Inter. of road & road, 90 degrees	P. P. No. 13 M. M. No. 13	37-28-428.0 37-28-442.0	75-51-1037.9 75-51-1051.9	.925	
Inter. of road & road, 90 degrees	P. P. No. 14 M. M. No. 14	37-27-1709.6 37-27-1712.7	75-51-1337.5 75-51-1356.5	.963	
Inter. of road & road, 85 degrees	P. P. No. 15 M. M. No. 15	37-27-1229.8 37-27-1233.1	75-52-116.7 75-52-133.4	.851	
Inter. of road & road, 90 degrees	P. P. No. 16 M. M. No. 16	37-27-856.0 37-27-856.0	75-52-314.2 75-52-330.4	.790	
Center of store facing road	P. P. No. 17 M. M. No. 17	37-27-350.8 37-27-347.4	75-52-596.3 75-52-600.6	.274	

All test points are considered well-defined points. However, it may be noted that the map manuscript error of all the test points, with the exception of test point No. 17, exceeds considerably the allowable error of .5mm and are not within the requirements of the Instructions.

Submitted By:

*Charles Hanavich*

Charles Hanavich, Sr. Photo. Aid

Approved by:

*F. L. Gallen*

F. L. Gallen,  
Chief of Party, U. S. C. & G. S.

*As a result of this test, the manuscript was returned to the Tampa office for replottting and redetailing. These test points were used for additional control in the new plot.*  
J. H. S.



**TO BE CHARTED  
TO ~~BE CHARTED~~** } STRIKE OUT ONE

**Tampa, Florida**

Oct. 1948, 19

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

The positions given have been checked after listing

*James H. Crosby*  
Kenneth G. Crosby

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		DATUM								
		°	'	°	'									
	The Deep Light	37	23	1605	75	45	1282	N.A. 1927	Triangulation	1934	X		1281 1222	
Desiring	Great Machipongo River Lt.	37	26	861	75	46	179	"	"	"	X		1221	
	Great Machipongo River Lt.	37	27	587	75	46	843	"	"	"	X		"	
	North Channel Light	37	27	1321	75	45	1286	"	"	1933	X		"	
SUPERSEDED BY LIST SUBMITTED 12/8/42 by F. L. GALTEN														

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.

DEPARTMENT OF COMMERCE  
U. S. COAST AND GEODETIC SURVEY

7-3174

TO BE CHARTED  
~~NO BE CHARTED~~ } STRIKE OUT ONE

~~LANDMARKS FOR CHARTS~~  
PERMANENT AIDS TO NAVIGATION

Onancock, Virginia

Chart letter 633  
1942  
Dec. 8, 1942

I recommend that the following objects which have (~~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. L. Gullen

Chief of Party.

GENERAL LOCALITY	Great Machipongo River, Va.	POSITION										METHOD OF LOCATION	DATE OF LOCATION	HARBOR CHART	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTED
		LATITUDE		LONGITUDE		DATUM											
		0	1	D. M. METERS	0		1	D. P. METERS									
THIS DEEPS LIGHT		37	23	1605.3	75	45	1282.5	N.A. 1927	Triangulation	1934	X			1221	1222		
(1 Bl. Bea. (71. W.) Deeps & Machipongo Channel)									Plane-table	1942	X			1221			
GREAT MACHIPONGO RIVER LIGHT "1"		37	26	511	75	46	155	"	Triangulation	1934	X			1221			
GREAT MACHIPONGO RIVER LIGHT "2"		37	27	587.3	75	46	842.8	"	Plane-table	1942	X			1221			
( R. Bea. No. 2 Mach. Channel)																	
GREAT MACHIPONGO RIVER LIGHT "3"		37	27	1559	75	47	271	"		1942	X			1221			
GREAT MACHIPONGO RIVER LIGHT "4"		37	27	1534	75	48	583	"	"	1942	X			1221			
NORTH CHANNEL LIGHT		37	27	1330.7	75	45	1295.9	"	Triangulation	1933	X			1221			
( North Channel, Black Light F)																	
Unadjusted triangulation (U.C.T. 1934)		37	27	1343.6	75	47	226.2	"									

This form shall be prepared in accordance with 1934 Field Memorandum, "LANDMARKS FOR CHARTS". Positions of charted landmarks and floating aids to navigation, if redetermined, shall be reported on this form. The data shown be considered for the charts of the area and not by individual field survey sheets. Information under each column heading should be given.

GEOGRAPHIC NAME LIST FOR QUAD. T-8174

- ✓ Box Tree Creek
- ✓ Brick House Neck
- ✓ Broadwater Club House
- ✓ Brownsville
- ✓ Buckhorn Point
- ✓ Castle Ridge
- ✓ Castle Ridge Creek
- ✓ Cedar Point
- ✓ Crabbing Marsh
- ✓ Fowling Point
- ✓ Goulds Marsh Channel (Gull Marsh Channel)R
- ✓ Great Machipongo River (Little Machipongo River R) (Machipongo River R)
- ✓ Greens Creek
- ✓ Gull Marsh
- ✓ Harbor Gut
- ✓ Holt's Creek
- ✓ Holt's Neck
- ✓ Little Johnstown
- ✓ Long Prong
- ✓ Mapsville
- ✓ Marionville
- ✓ Middletown
- ✓ Mill Creek
- ✓ Nassawadox
- ✓ North Channel
- ✓ North Channel
- ✓ Outlet Bay
- ✓ Phillips Creek
- ✓ Point Creek
- ✓ Powell's Channel
- ✓ Ramshorn Bay
- ✓ Red Bank
- ✓ Red Bank Creek
- ✓ Ship's End
- ✓ Short Prong
- ✓ Short Prong Marsh
- ✓ The Deeps
- ✓ The Hummocks
- ✓ The Outlet
- ✓ The Ramshorn
- ✓ The Thoroughfare (Ramshorn Channel)R (Mockhorn Channel)R  
(Magothy Bay Channel)R
- ✓ Thomas Wharf
- ✓ Upshur Neck
- ✓ Upshur's Creek
- ✓ Webb's Island
- ✓ Weirwood

New name submitted to Geographic Names List

- ✓ Kitts Creek

T-8174

No. 2

Remarks

Decisions

1		374758
2		"
3		" USGB
4		"
5		"
6		"
7		"
8		"
9		"
10		"
11		"
12		"
13		"
14		"
15		"
16		"
17		"
18		"
19		"
20		"
21		"
22		Railway Guide
23		
24		Road Maps
25	on county highway maps only	
26	Applies to channel from inlet across shallow area to Machipongo R. (it should be shown, as Coast Pilot states the mud flats on either side of it are bare at low water)	373 757 USGB.
27		
M 234		



# GEOGRAPHIC NAMES

Survey No. T-8174

NASSAMADOX quadrangle

No. 1 Name on Survey

	A.	B.	C.	D.	E.	F.	G.	H.	K.	
<u>Gull</u>										1
<u>Point Marsh Channel</u>										
<u>Point Machibongo River</u>										2
<u>The Deeps</u>										3
<u>Gull Marsh</u>										4
<u>Harbor Gut</u>										5
<u>The Outlet</u>										6
<u>The Ramshorn</u>										7
<u>The Thoroughfare</u>										8
<u>Outlet Bay</u>										9
<u>Powells Channel</u>										10
<u>Buckhorn Point</u>										11
<u>Holt Creek</u>										12
<u>Holt Neck</u>										13
<u>Box Tree Creek</u>										14
<u>Webb Island</u>										15
<u>Kitts</u>										16
<u>Kitts Creek</u>										17
<u>Crabbing Marsh</u>										18
<u>North Channel</u>										19
<u>Upshur Neck</u>										20
<u>Short Prong</u>										21
<u>Hog Island Bay</u>										22
<u>Ramshorn Bay</u>										23
<u>Accomack County</u>										24
<u>Northampton County</u>										25
<u>Castle Ridge Creek</u>										26
<u>Red Bank Creek</u>										27
<u>Red Bank</u>										28

(applies only to portion beginning south of Upshur Neck)

This name covers entire waterway to Cape Charles; section on this quadrangle is Ramshorn Channel

{very little of these two features included on this quad. - if any}

(southerly creek)

	Remarks	Decisions
1	Pending with USGB	373757 U.S.G.B
2	" " "	" U.S.G.B
3		"
4	Pending with USGB	" U.S.G.B
5		"
6		373758
7	Pending with USGB	374758 U.S.G.B
8	" " "	373758 U.S.G.B
9		"
10		"
11		"
12		"
13		"
14		"
15		"
16		"
17		"
18		374757
19		375757
20		374757
21		"
22		373758
23	Officially adopted spelling	
24		
25	Pending with USGB (application only)	374758 U.S.G.B
26	" " " " "	" "
27		"



# GEOGRAPHIC NAMES

Survey No. T-8174

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	
Phillips Creek ✓										1
Marionville ✓										2
Nassawadox ✓										3
Thomas Wharf ✓										4
Cedar Point ✓										5
Weirwood ✓										6
Mill Creek ✓										7
Short Prong Marsh ✓										8
Long Prong ✓										9
Point Creek ✓										10
Fowling Point ✓										11
Castle Ridge ✓										12
Brick House Neck ✓										13
The Hammocks ✓										14
Little Johnstons ✓										15
Sheps End ✓										16
Brownsville ✓										17
Upshur Creek ✓										18
Greens Creek ✓										19
Middletown ✓										20
Hare Valley ✓										21
Pennsylvania R.R. ✓										22
Sea Side Road ✓										23
U.S. Highway No. 13 ✓										24
State Highways Nos. 600, 605, 606, 184, 608, 609, 617, 618, 620, 621, 658 ✓										25
Great Machipongo Channel ✓										26
										27

## 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.

Black and white cloth-mounted copy of the map *published quadrangle at 1:20,000*  
*manuscript. This copy is filed to preserve scale*  
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.

Descriptive Report.

### 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.

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.

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

This quadrangle, together with similar adjoining maps produced under Project C.S. 278-C, 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 templets) 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.



## DIVISION OF CHARTS

### SURVEYS BRANCH

#### REVIEW OF AIR PHOTOGRAPHIC SURVEY T-8174

#### NASSAWADOX 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 Refer to page four of this descriptive report for a copy of the results of the horizontal accuracy test. Nine of the ten tested points were in error in excess of 0.5mm. The maximum displacement was 1.260mm. *Manuscript returned to San Francisco office and replotted. See Page 4* Refer to the field edit sheet for this quadrangle for the results of the vertical accuracy test. The maximum discrepancy was approximately 1 to 2 ft. throughout.

#### 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-1200	1:20,000	1869
T-1201	1:20,000	1870
T-1204	1:20,000	1871

#### Comparison with Nautical Charts Nos. 1221 & 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:

Only small changes in shoreline were apparent during comparison of the chart with the manuscript.



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

Due to the poor results of the horizontal accuracy test in this area, the manuscript was returned to the Tampa office for replotting and redetailing. The horizontal accuracy test points were used as additional control in the new plot.

Numerous ~~oyster rocks~~, oyster beds, and shoal areas were added in Hog Island Bay during review.

↑  
to the 1:20,000 scale map manuscript  
registered.  
K.T.A.

Reviewed 4/2/43 By Ralph Marie Berry  
under direction of D. H. Benson *per J.H.S.*

Inspected by B. G. Jones *B.G. Jones*

Examined and approved:

*Charles Price*

~~Chief, Surveys Branch~~  
CHART DIVISION

*K.T. Adams*  
Chief, Topography Section *Adams*

*F.B. Dorden*

Chief, Div. of Charts

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Chief, Div. of Coastal  
Surveys

## NAUTICAL CHARTS BRANCH

SURVEY NO. 8174

## Record of Application to Charts

[illegible]

M-2168-1

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