8201

Original

Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey Air Photographic Topographic

Field No. ..... *Office No.* T-8201

LOCALITY

State North and South Carolina

Horry County, South Carolina

General locality Brunswick County, North Carolina

Locality Calabash, North Carolina

194 3

CHIEF OF PARTY

Fred. L. Peacock

LIBRARY & ARCHIVES

DATE June 27, 1946

B-1870-1 (1)

8201

Form T-1

DATA RECORD

T- 8201

Quadrangle (II): 7½ minute CALABASH

Project No. (II): CS 284

Field Office: Myrtle Beach, S.C. Chief of Party: F. L. Gallen

Compilation Office: Baltimore, Maryland Chief of Party: Fred. L. Peacock

Instructions dated (II III): Jan. 23, July 15, Oct. 19, Oct. 23, Oct. 27, 1942

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

Completed survey received in office: 5/43

Reported to Nautical Chart Section: 1/45

Reviewed: 9/43 Applied to chart No. 1236 Date: 7-7-44

Redrafting Completed: 11/43

Registered: 6/46 Published: 11/44

Compilation Scale: 1:20,000 Published Scale: 1/31680

Scale Factor (III): None

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

Reference Station (III): METCALF, 1934

Lat.: 33° 54' 08.101" 249.6(1599.0) meters Long.: 78° 32' 27.577" 708.5(833.1) meters Adjusted ~~Unadjusted~~

State Plane Coordinates (VI):

North Carolina - Single Zone

X = 2,139,306.72 ft. Y = 55,735.40 ft.

Military Grid Zone (VI) "B"

PHOTOGRAPHS (III)

Number	Date	Time	Scale	Stage of Tide
8151	4-1-43	1:30 P.M.	1:20,000	0.6 ft. below M.L.W.
8153 to 8155 (incl.)	4-1-43	1:30 P.M.	1:20,000	0.6 ft. below M.L.W.
8186 and 8187	4-1-43	2:44 P.M.	1:20,000	0.3 ft. below M.L.W.
8170	4-1-43	2:23 P.M.	1:20,000	0.5 ft. below M.L.W.
8222 to 8225 (incl.)	4-2-43	12:24 P.M.	1:20,000	0.8 ft. above M.L.W.

Tide from (III): Predicted tables, Reference Station Charleston, S. C. with corrections for Little River (1 mile above mouth)

Mean Range: 5.0 ft. Spring Range: 5.9 ft.

Camera: (Kind or source) U. S. C. & G. S. Nine lens camera
Focal length 8.25 inches

Field Inspection and contouring by: J. R. Evans, K. B. Roche date: Jan. 1943 Feb. Mar. 1943

Field Edit by: Louis Levin date: June 1943

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

Same as date of photographs

Projection and Grids ruled by (III) Washington Office date: Jan. 1943

" " " checked by: Washington Office date: Jan. 1943

Control plotted by: R. Glazer and J. Steinberg date: Jan. 27, 1943

Control checked by: W. H. VanLoon date: Jan. 28, 1943

Radial Plot by: J.E.Deal, Jr. and J. Steinberg date: Feb. 1, 1943 Feb. 23,1943

Detailed by: A. C. Rauck, Jr. date: 3-1-43,3-20-43 4-13-43,5-5-43

Reviewed in compilation office by: Henry P. Eichert date: 5-7 to 5-12-43

Elevations on Field Edit Sheet checked by: Roy Roberts date: 6/30/43

STATISTICS (III)

Land Area (Sq. Statute Miles): 61

Shoreline (More than 200 meters to opposite shore): 6 miles

Shoreline (Less than 200 meters to opposite shore): 6 miles
(Center line of rivers only)

Number of Recoverable Topographic Stations established:
5 aids to navigation as submitted on Form 567 by the field party
and 2 azimuth reference marks established by radial resections
Number of Temporary Hydrographic Stations located by radial plot: None

Leveling (to control contours) statute miles: 43

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 - 8201
PROJECT CS-284
F. L. GALLEN, CHIEF OF PARTY

1. Elevations in this quadrangle vary from slightly over sixty feet just north and south of Thomasboro Roads to twenty feet in the northwest swampy area, and sea level on the intracoastal waterway in the southeast.

Streams in the north two-thirds of the quadrangle drain into Caw Caw Swamp, which empties into the Waccamaw River. Streams in the southern third drain into the Calabash River and the Intracoastal Waterway. Crops grown in this area are principally tobacco and corn.

2. Field inspection of the photographs was done by J. R. Evans on photographs 8225,8223 and 8222, by K. B. Roche on photographs 8154 and 8155. It is believed that the field inspection is complete.

3. A twenty-foot bluff extends along the intracoastal waterway in the vicinity of triangulation station BLANE. The land along the Calabash River has considerably more relief than any other part of the quadrangle.

4. The horizontal control was established by the U. S. C. & G. S. and all stations recovered and pricked on photographs were sent to the Baltimore Office in December, 1942.

5. Vertical control was established by the U. S. C. & G. S. and stations pricked on photographs sent to the Baltimore Office in December, 1942.

Supplemental level lines were run on roads to provide control for the planetable parties (See report for T-8189).

6. Contouring was done on the photographs by a four man party. In general, orientation was possible by roads, field lines or points easily identifiable on the photographs. Where identification of position was not possible by inspection of the photograph, use was made of a magnetic north line placed on the photo by sighting along a road with a long tangent.

Drainage was located by inspection of the photographs and confirmed in the field. Where necessary to locate a stream, stadia shots were taken. On the whole, however, it was relatively easy to see the direction and location of the drainage.

11. Aids to Navigation:

Intracoastal Waterway lights and beacons were located on the blue line compilation for T-8205. Positions are submitted on form 567.
Chart Letter 265-1943

14. Roads have been classified according to instructions, a copy of which is attached to report for ~~H~~-8189.
T-

15. Bridges have been noted on the photographs. Their dimensions have been given but no tonnage capacity has been estimated.

16. Buildings to be shown are circled with red. All not circled are to be deleted.

17. See report for T-8202.

18. Geographic Names are included in a special report by A. J. Wraight. LH. SR 34-35

19. Junctions with the four surrounding quadrangles have been checked.

Submitted by,

K. B. Roche per F.L.G.

K. B. Roche,
Sr. Photogrammetric Aid.

Approved and forwarded:

F. L. Gallen.

F. L. Gallen,
Chief of Party.

26 CONTROL:

Ten triangulation stations were recovered by the field inspection party and were used as control to establish secondary and detail control points on this map manuscript. Of these ten triangulation stations, six are within the detailed limits of this map manuscript and four are just outside the limits.

Those inside the limits are:

Hughes, 1932, 1933
Little River, 1932, 1934
Grissett, 1934
Metcalf, 1934
Blane, 1934
Ho - 81, 1934 (Civil Works Administration)

Those stations outside the limits are:

State Line Monument, 1934
Piver, 1932
Seaside, 1934
P. T. 29-J, 1918, 1942 (Primary Traverse)

In order to facilitate the picking of horizontal control on the office photographs the field party established Field Inspection Stations at the following triangulation stations:

Metcalf, 1934	Ho - 81, 1934
Hughes, 1932, 1933	Piver, 1932
Blane, 1934	Grissett, 1934

These are shown with small circles in orange ink on the map manuscript.

The following stations, which are shown on this map manuscript with the bench mark symbol, were used as vertical control only.

Ho - 82 (C.W.A.) - plotted from South Carolina, North Zone Grid.
Ho - 83 (C.W.A.) - plotted from South Carolina, North Zone Grid.
Ho - 85 (C.W.A.) - on original 1935 compilation.
Ho - 86 (C.W.A.) - on original 1935 compilation.

27 RADIAL PLOT:

The radial plot for this map manuscript, will be described in section one of the descriptive report for the radial plots of Projects CS 275 and CS 284, which will be submitted in the near future.

28 DETAILING:

The field inspection party provided satisfactory field inspection for the major part of the topographic details on the inshore areas

28 DETAILING:

of this map manuscript.

This compilation office was provided with a red-line print on celluloid of a survey, covering approximately one-third of this map manuscript, which was made in 1935.

After numerous well defined points had been determined by radial resection, it was found necessary to relocate some of the detail shown on this red-line print.

New roads were added and roads relocated since 1935, were corrected. Tree lines were changed due to additional growth or cleared areas. Buildings were deleted and added according to the field inspection and visual examination of the office photographs. The original red-line print, which is considerably larger than the 7½ minute quadrangle designated for this survey, has been corrected to the limits of the 7½ minute quadrangle only. Corrections outside the limits of this 7½ minute quadrangle will be made on the adjoining map manuscripts.

Low ground and swamp areas were detailed after stereoscopic examination of the office photographs in conjunction with the field inspection. Areas designated as swamp or wet weather swamp, by the field inspection or determined by careful stereoscopic examination, were shown by the conventional swamp symbol and labeled. Other areas, designated by the field inspection, or delineated by stereoscopic examination, were shown with an open waterlining, without grass tufting, as was recommended in the Supplemental Instructions for Projects CS 275, CS 284 and CS 285, dated October 27, 1942. These areas were labeled with the symbol "L.G."

29 SUPPLEMENTAL DATA:

The following previous topographic surveys, by the U. S. Coast and Geodetic Survey, have been made, covering portions of this map manuscript.

Survey Number	Dated	Scale
T-1295b	1873	1:20,000
T-725a	1858-59	1:10,000
T-725b	1859-60	1:10,000
T-1959	1859-60	1:10,000
T-4097	1924	1:20,000
T-4196	1925-26	1:20,000

These surveys were not available to this compilation office and a comparison could not be made with this map manuscript.

30 MEAN HIGH WATER LINE:

The stage of tide of all nine lens photographs furnished this

30 MEAN HIGH WATER LINE: (CONT.)

compilation office, was computed and found to be at or near mean low water.

The high water line was delineated from data furnished by the field inspection party and careful stereoscopic examination of the office photographs. Some changes were made in the high water line of the 1935 compilation.

31 LOW WATER AND SHOAL LINES:

Low water lines have been detailed, by office examination of the photographs with the aid of field inspection.

There were no shoal lines discernible within the limits of this quadrangle or noted on the field inspection photographs.

32 DETAILS OFFSHORE FROM THE HIGH WATER LINE:

None were visible on the office photographs or noted by the field inspection party.

33 WHARVES AND SHORELINE STRUCTURES:

Several piers not noted by field inspection were detailed along the north shoreline of Calabash Creek.

34 LANDMARKS AND AIDS TO NAVIGATION:

There are five non-floating aids to navigation, along the Intracoastal Waterway, on this map manuscript. They are

Cape Fear - Little River Day Beacon "105"
Cape Fear - Little River Day Beacon "107"
Cape Fear - Little River Light "108" Double Fl. R. 4 sec.
Cape Fear - Little River Day Beacon "109"
Cape Fear - Little River Light "111" Fl. W. 4 sec.

The names and descriptions of the five aids to navigation were listed in the U. S. Coast Guard Light List of the Intracoastal Waterway, dated 1942.

These five aids to navigation were located by plane table, by the field inspection party and were submitted to this compilation office on a blue line print of the original 1935 compilation. The scaled geographic positions of these aids to navigation were submitted to the Washington Office on form No. 567 by the field inspection party. Chart Letter 265-1943

The positions of these aids to navigation as shown on this map manuscript, were transferred directly from the blue line print.

35 HYDROGRAPHIC CONTROL:

There are two azimuth reference marks for which scaled positions and descriptions have been submitted on form 524. These stations are not suitably situated for use as hydrographic control.

They are:

Grissett Azimuth 1934
Metcalf Azimuth 1934

There is no hydrographic control within the limits of this map manuscript, except the five aids to navigation described in paragraph 34 "Landmarks and Aids to Navigation". These could be used for partial control for any future hydrographic survey.

36 LANDING FIELDS AND AERONAUTICAL AIDS:

There is no data available to this compilation office as to landing fields or aeronautical aids within the limits of this map manuscript.

37 DISCREPANCY OVERLAY:

A discrepancy overlay has been prepared to accompany this map manuscript. On it are noted such discrepancies or notes concerning interpretation of details as were observed during the process of detailing. A set of general notes have been shown to aid in the interpretation of symbols and abbreviations shown on the map manuscript. As the names or numbers of bench marks are not shown on the map manuscript as per instructions, they have been labeled on the discrepancy overlay. This is to enable the compilation office to locate these bench marks when scaling their geographic positions from the red line print of the map manuscript.

38 GEOGRAPHIC NAMES:

No geographic name data, has been furnished this compilation office, for this map manuscript. L.A.

39 HORIZONTAL ACCURACY:

The horizontal accuracy of this map manuscript is believed to be within the limits set forth, for well defined points and less well defined points of detail, in the instructions for CS 275, paragraph 36; dated January 23, 1942. Test traverse made across this area. See Spel report. Accuracy good.

40 RECOMMENDATIONS FOR FUTURE SURVEYS:

The planimetric detail as presented on this map manuscript is believed to be complete, including all field inspection data and strict interpretation of the office photographs where field data was missing.

41 JUNCTIONS:

The following satisfactory junctions have been made

To the North - T-8194 - complete
To the East - T-8200 - complete
To the South - T-8205 - complete
To the West - T-8202 - complete

42 REMARKS:

The description as prepared by the field inspection report adequately describes the area covered by this map manuscript, with the following additions.

This map manuscript consists of all land area with the exception of a small section of the Intracoastal waterway in the southeast corner, and Calabash Creek to the south. Perennial or wet weather swamps comprise approximately one-third of the area, of the map manuscript. These swamp areas, for the most part, have no definite water courses or drainage. U. S. Highway #17, a two lane highway, and State Highway #9 afford the best means of transit over the southern half of this quadrangle. The majority of the remaining roads on this quadrangle are class 4.

The compilation office received the field inspection data of shoreline, interior areas and contours for this map manuscript on March 18th and 29th, 1943, and on April 24, 1943.

44 COMPARISON WITH EXISTING TOPOGRAPHIC QUADRANGLES:

No existing Topographic Quadrangles of this area were available to this compilation office; therefore, no comparison could be made with this map manuscript.

45 COMPARISON WITH NAUTICAL CHARTS:

Comparison was made with the U. S. Coast and Geodetic Chart No. 835 dated January 7, 1943, and reissued April 15, 1943, scale 1:40,000.

In general, the shoreline features are in good agreement, except the south shore of the Intracoastal Waterway. The spoil areas in this vicinity have been shown, on this map manuscript, as being partially covered at mean high water, while the U. S. C. & G. S. chart No. 835 shows this spoil area as hard ground above high water. *Chart should be changed.*

Respectfully submitted, 5-13-43

Albert C. Rauck, Jr.
Albert C. Rauck, Jr.
Photogrammetric Aid

Map Manuscript, discrepancy overlay
and descriptive report, reviewed by

Henry P. Eichert
Henry P. Eichert
Jr. Photogrammetric Engineer

Compilation of Map Manuscript
Supervised by

Joseph Steinberg
Joseph Steinberg
Asst. Photogrammetric Engineer

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

Approved and forwarded
MAY 13 1943

Fred. L. Peacock
Fred. L. Peacock
Commander, C & G Survey
Officer in Charge
Baltimore Field Office

FIELD EDIT REPORT
T-8201
PROJECT CS-284

46. The field edit was accomplished by visual inspection making all additions and corrections on the map manuscript in the field and transferring all detail to a smooth copy while inking.

The following color scheme was adhered to:

FEATURES	COLORS
Additions, bench marks, wye level elevations and crosses	BLACK
Deletions	GREEN
Drainage features	BLUE
Contours	BROWN
Civil boundaries	VIOLET

47. The position and amount of detail on this map manuscript is believed to be complete and adequate.

48. A horizontal accuracy test was run in this quad. See report filed in B.G.Jones section. Accuracy good.

Vertical accuracy tests are the subject of a special report for project CS-284. Closest test on T-8195

Submitted by

Louis Levin per F.L.G.
Louis Levin
Photogrammetric Aid

Approved and forwarded

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

T-8201

No. 1

	Remarks	Decisions
1		USGB
2		
3	Not space enough for type Hla	
4		
5		
6	Not space enough for type Hla	
7		
8		Road Maps
9		U.S.G.B.
10		338785
11		"
12		"
13		"
14		" U.S.G.B.
15	Not space enough for type Hla Only part of it on this quadrangle	"
16	" " " " "	"
17		"
18		"
19		"
20		"
21		"
22		"
23		"
24		"
25	Part on this quadrangle	338786
26		339786
27		"

M 234

GEOGRAPHIC NAMES

Survey No. T-8201

CALABASH quadrangle

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	
Intracoastal Waterway		✓								1
Brunswick County	N.C.	✓								2
Columbus County	N.C.	?	(Very little shown)							3
Horry County	S.C.	✓								4
Shallotte Twp	Brunswick County									5
Bug Hill Twp	Columbus County		? (see line 3)							6
Little River Twp	Horry County		✓							7
U.S. Highway No. 17										8
Waccamaw River	✓									9
~~Bald Beach~~	(Not here)									10
The Big Narrows	✓									11
Blane Creek	✓									12
Marys Landing	✓									13
Blanes Landing	✓									14
Fox Creek										15
Bull Creek										16
Bonaparte Landing	✓									17
Calabash	✓									18
Calabash Creek	✓									19
Colkins Neck	✓									20
Little River	(stream)		✓							21
Boundary Creek	✓									22
Boundary Landing	✓									23
Mullet Creek	✓									24
Little River	(village)		✓							25
Hickmans Crossroads	✓									26
Hickmans Branch	✓									27

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T-8201
No. 2

	Remarks	Decisions
1		339786
2	See line 14, below	"
3		"
4		"
5		"
6		"
7		"
8	swamp area west of Ash Rd. according to Heck	"
9		339785
10		"
11		"
12		"
13		"
14	Pending with USGB	"
15		"
16		"
17		"
18		"
19		"
20	a settlement (says Heck)	"
21		"
22		"
23		"
24		"
25		"
26		"
27		"
M 234		

GEOGRAPHIC NAMES

Survey No. T-8201

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	
Shingletree Swamp	✓									1
Iredell Bridges	✓									2
Cawcaw Swamp	✓									3
Cawcaw Bridges	✓									4
Stanland Branch	✓									5
Earnest Branch	✓									6
Scippio Swamp	✓									7
River Swamp	?									8
Ash Road	✓									9
Stanland Bay	✓									10
Smith Bridges	✓									11
Thomas Bay	✓									12
Little Cawcaw Swamp	✓									13
Iredell	✓									14
Wampee Road	✓									15
Shingletree Bridges	✓									16
Persimmon Swamp	✓									17
Little Cawcaw Bridge	?									18
Thomasboro	✓									19
Cedar Bay	? ✓									20
Cedar Bay Road	✓									21
Drowned Bay	✓									22
Dogshead Bay	✓									23
Old Shallotte	✓									24
Grissettown	✓									25
Seaside Road	✓									26
Longwood Road	✓									27

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No. 3

	Remarks	Decisions
1		339784
2		338785
3		"
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GEOGRAPHIC NAMES

Survey No. T-8201

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	
Starboard Road	?									1
Jinks Landing	✓									2
Jinks Creek	✓									3
State Highway No. 9	N.C.									4
Waccamaw Twp.	✓ Brunswick Co ~~Columbus County.~~									5
										6
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Names underlined in red approved by L. Heck on 10/18/43

M 234

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:

<u>Registered and Filed in the Vault</u>

Cloth-mounted copy of the published quadrangle.

Black and white cloth-mounted copy of the Published quadrangle at 1:20,000 scale ~~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.

<u>Filed in the Photogrammetric ~~Section - Surveys Branch~~ Division</u>

Field inspection photographs.

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

Field edit sheet.

Descriptions of recoverable topographic stations (Form 524), filed in Review~~ing 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.

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

This quadrangle, together with similar adjoining maps produced under Project C.S.284 , 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, driveways, 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 "blueline" 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-8201

CALABASH 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

Horizontal accuracy test No.1 was run in this quadrangle and found to be very good. For detailed information see the report filed in the Photogrammetric Division.

The closest vertical accuracy test is on T-8175.

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.

725b	1:10,000	1858
1295b	1:20,000	1873
4097	1:20,000	1924
4196	1:20,000	1925-26
5243	1:20,000	1934
6213a&b	1:10,000	1934

Comparison with Nautical Charts Nos. 835,

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:

T-8201 is adequate for chart correction.

(T-8201 has been applied to the chart No.1236 since review.)

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 Sept. 10, 1943 By Roy E. Elkins per W.M.
under direction of D. H. Benson

Inspected by B. G. Jones B.G. Jones 6/46

Examined and approved:

K.T. Adams
Chief, ~~Surveys Branch~~
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