6403a-b

Graphic Control

6404a-b

Graphic Control

U. S. COAST & GEODETIC SURVEY
LIBRARY AND ARCHIVES
MAR 13 1936
Acc. No.

Form 504
Rev. Dec. 1933

DEPARTMENT OF COMMERCE
U.S. COAST AND GEODETIC SURVEY
R. S. PATTON, DIRECTOR

DESCRIPTIVE REPORT

Topographic / ~~*Hydrographic*~~ } *Sheet No.s* A', B', C' & D'

State North Carolina

LOCALITY

Bay River

1935

CHIEF OF PARTY
J.C.Bose
~~John A. Bond~~

U. S. GOVERNMENT PRINTING OFFICE: 1934

6403 a
6403 b
6404 a
6404 b

6403a-b 6404a-b

Graphic Control

Form 537a
Ed. Nov. 1929

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

U. S. COAST & GEODETIC SURVEY
LIBRARY AND ARCHIVES
MAR 13 1936
REG. NO.
Acc. No.

TOPOGRAPHIC TITLE SHEET

The Topographic Sheet should be accompanied by this form, filled in as completely as possible, when the sheet is forwarded to the Office.

Field No. A' 6403a

REGISTER NO.

State North Carolina

General locality ~~Bay River~~ - Pamlico Sound

Locality Bay River Entrance

Scale 1:10,000 Date of survey February, 1935

Vessel

Chief of party J. C. Bose

Surveyed by E. T. Sales

Inked by E. T. Sales

Heights in feet above ..... to ground to tops of trees

Contour, Approximate contour, Form line interval ..... feet

Instructions dated August 31, 1934

Remarks:

GPO

Form 537a
Ed. Nov. 1929

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

U. S. COAST & GEODETIC SURVEY
LIBRARY AND ARCHIVES
REG. NO.
Acc. No

TOPOGRAPHIC TITLE SHEET

The Topographic Sheet should be accompanied by this form, filled in as completely as possible, when the sheet is forwarded to the Office.

Field No. B' 6403 b

REGISTER NO.

State North Carolina

General locality Bay River - ~~Pamlico Sound~~

Locality Ball's Island to Bear Creek 24

Scale 1:10,000 Date of survey February, 1935

Vessel

Chief of party J. C. Bose

Surveyed by E. T. Sales

Inked by E. T. Sales

Heights in feet above ____ to ground to tops of trees

Contour, Approximate contour, Form line interval ____ feet

Instructions dated August 31, 1934

Remarks:

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0 P O

Form 537a
Ed. Nov. 1929

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

U. S. COAST & GEODETIC SURVEY
LIBRARY AND ARCHIVES
MAR 13 1936
REG. NO.
A - No.

TOPOGRAPHIC TITLE SHEET

The Topographic Sheet should be accompanied by this form, filled in as completely as possible, when the sheet is forwarded to the Office.

Field No. C' 6404 a

REGISTER NO.

State North Carolina

General locality Bay River - ~~Pamlico Sound~~

Locality Cabin Creek to Smith Creek

Scale 1:10,000 Date of survey April, 1935

Vessel

Chief of party J. C. Bose

Surveyed by E. T. Sales

Inked by E. T. Sales

Heights in feet above ____ to ground to tops of trees

Contour, Approximate contour, Form line interval ____ feet

Instructions dated August 31, 1934

Remarks:

GPO

Form 537a
Ed. Nov. 1929

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

U. S. COAST & GEODETIC SURVEY
LIBRARY AND ARCHIVES
MAR 18 1936
Acc. No.
REG. NO.

TOPOGRAPHIC TITLE SHEET

The Topographic Sheet should be accompanied by this form, filled in as completely as possible, when the sheet is forwarded to the Office.

Field No. D' 6404 b

REGISTER NO.

State North Carolina

General locality Bay River ~~- Pamlico Sound~~ 8

Locality Bonner Bay 10

Scale 1:10,000 Date of survey April, 1935

Vessel

Chief of party J. C. Bose

Surveyed by E. T. Sales

Inked by E. T. Sales

Heights in feet above ..... to ground to tops of trees

Contour, Approximate contour, Form line interval ..... feet

Instructions dated August 31, 1934

Remarks:

GPO

DESCRIPTIVE REPORT

To Accompany Graphic Control Sheets A', B', C', and D'.

Bay River, North Carolina

Instructions dated August 31, 1934
Project No. HT-197

GENERAL

This report is intended to cover graphic control sheets A', B', C' and D', surveyed by E. T. Sales, Surveyor, under Lieutenant J. C. Bose, Chief of Party. When the party of Lieutenant Bose was transferred to the OCEANOGRAPHER in the spring of 1935 the sheets, on which field work had been completed, were transferred to the undersigned for completion of office work on them. Sheets A' and B' were surveyed on opposite sides of one aluminum sheet as was also sheets C' and D'.

Before the sheets were transferred to the undersigned the shoreline was inadvertently inked by the topographer and the location of signals indicated by prick holes dotted with red ink and circumscribed by the usual red circle. Upon completion of the air-photo sheets of the area these graphic control sheets were compared with them by means of the new-type projector in the office of Lieutenant S. B. Grenell. Minor discrepancies in the shoreline were found, especially noticeable in the upper reaches of several of the small tributaries to Bay River. In as much as control for the air-photo sheets was plentiful and well distrubuted whereas several stretches of the work on the graphic control sheets depended on unclosed traverse, preference in the adjustment of discrepancies was given to the air-photo sheets.

Where the shoreline as projected from the air-photo sheets differed appreciably from that shown on the graphic control sheets the air-photo shoreline was traced in pencil, and has been so left on the sheet. In all areas wherein the two shorelines did not agree adjustment of the topographic signals was made, to agree with the air-photo shoreline. The adjusted position of each signal is now indicated on the sheets by the intersection of short pencil cross lines. Where cross lines are not shown at a signal it may be assumed that the red dot at the center of the station symbol is the correct location and checks the air-photo compilation.

In preparing the smooth hydrographic sheets of the area covered by these graphic control sheets the adjusted positions of the topographic signals as indicated by the above mentioned cross lines were used. Shoreline for the smooth sheets was obtained from the air-photo sheets.

SURVEY METHODS

Standard Coast Survey methods were used on the sheets except that on sheets C' and D' detail of shoreline was limited to that necessary for boat sheet purposes. On sheets A' and B' the shoreline was carefully rodded with the exception of the northern and western branches of Gale Creek (Sheet B'), in which areas the shoreline was sketched in sufficient detail for boat sheet purposes only.

All traverses on which closure was possible were within the allowable limit and were adjusted in the field.

LANDMARKS

There are no landmarks of sufficient importance for charting in the area covered by any of the sheets.

NEW NAMES

Geographic names, old as well as new, were inadvertantly inked on the sheets by the topographer before they were transferred to the undersigned.

The following new names were recommended by the topographer as being in general local usage. The topographer also stated that he had been unable to determine their origin.

Sheet A'	Rockhole Bay
	Pine Tree Point
Sheet B'	Bonner Point
Sheet C'	Rice Creek
	Cabin Creek
Sheet D'	Rigg's Creek

The name "Fisherman Is" shown on chart 1231 at the entrance to Bay River off Bay Point should be deleted as these features no longer exist.

RECOVERABLE TOPOGRAPHIC STATIONS

Nine cards, Form 524, "Description of Recoverable Topographic Station" are forwarded with this report. All stations covered by these descriptions are U. S. Engineer marks. (Sheet B')

John A. Bond

John A. Bond
H. & G. Engineer
Chief of Party

	Remarks	Decisions
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GEOGRAPHIC NAMES

Survey No. T6403ab
T6404ab

	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	
	Rockhole Bay										1
	Bay Point										2
	Bay River										3
	Pine Tree Point										4
T6403a	Fisherman Bay										5
	Maw Point										6
	Maw Bay										7
											8
	Gale Creek										9
	Ditch Creek										10
	Bear Creek										11
T6403b	Little Bear Creek										12
	Saunders Point										13
	Ball Island										14
											15
	Vandemere Creek										16
	Vandemere										17
	Smith Creek										18
	Windmill Pt.										19
T6404a	Petty Pt.										20
	Bell Pt.										21
	Rice Dreek										22
	Ball Creek										23
	Cabin Creek										24
											25
	Bonner Bay Rigg's Creek										26
T6404b	Spring Creek										27

See Air Photo Compilations and reports for approved names in this area

M 234

FORM M-238

MEMORANDUM

IMMEDIATE ATTENTION

SURVEY
DESCRIPTIVE REPORT
~~PHOTOSTAT OF~~

No. T 6403ab
6404ab

received March 13,1936
registered March 26,1936
verified
reviewed
approved

This is forwarded in order that your attention may be directed to the matters as indicated below. Please initial in column 3 as an acknowledgement that your attention has been thus directed. The complete original records are available if desired. If you cannot give this your immediate attention, please initial, note, and forward to the next section marked, calling for the records at your convenience.

ROUTE		Initial	Attention called to
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22			
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62			
63			
82			
83			
88			
90			

RETURN TO

82	

C. K. Green Mar. 28 - 36

M-189

REVIEW OF GRAPHIC CONTROL SURVEY T-6403a, SCALE 1/10,000

Date of Review May 18, 1936 (T-5560)
June 18, 1936 (T-5563).

1. This survey has been reviewed in connection with Air Photo Compilation Nos. T-5560, 5563, with particular attention to the following details:

(a) Projection has been checked in the Field.

(b) Accuracy of location of plane table control points.

(c) Discrepancies between detail on this survey and the air photo compilations ~~listed above.~~ given below

(d) Discrepancies found in descriptions submitted on Form 524 when compared with the air photo compilations listed above. none submitted

2. Refer to the reviews and descriptive reports of air photo compilations Nos. T-5560, 5563, for a more complete discussion of any errors or discrepancies found.

Any material errors found on this survey are noted in subsequent paragraphs of this review, and these have been reported to the Field Records Section and the Cartographic Section. none

Notes and corrections resulting from the review are shown on this survey in green. Note made in green concerning shoreline in error.

Comp. with T-5560.
Survey T-6403a is in error on west shore of Rockhole Bay and from Bay Point to Boar Point (names on T-5560). Differences average about 1.5 mm. Shorelines are consistently out of position on T-6403a in the above mentioned areas. Consult compilation T-5560 for shoreline over the common area.

See Page one of the preceding report T6403 and T6404 for a discussion of errors and adjustment of planetable detail.

Leonard A. McGann
B.G. Jones.

M-189

REVIEW OF GRAPHIC CONTROL SURVEY T-6403b, SCALE 1/10,000

Date of Review May 18, 1936. (T-5560)
May 19, 1936. (T-5561)

1. This survey has been reviewed in connection with Air Photo Compilation Nos. T-5560, 5561, 5562, with particular attention to the following details:

(a) Projection has been checked in the Field.

(b) Accuracy of location of plane table control points.

(c) Discrepancies between detail on this survey and the air photo compilations listed ~~above~~. in review for T-5561.

(d) Discrepancies found in descriptions submitted on Form 524 when compared with the air photo compilations listed above. There are 9 cards. Two errors of scaling of positions were corrected and are shown in red on cards.

2. Refer to the reviews and descriptive reports of air photo compilations Nos. T-5560, 5561, 5562 for a more complete discussion of any errors or discrepancies found.

Any material errors found on this survey are noted in subsequent paragraphs of this review, and these have been reported to the Field Records Section and the Cartographic Section. none

Notes and corrections resulting from the review are shown on this survey in green. Note made in green regarding shoreline in error

Refer to the photo compilations mentioned above for correct shoreline. See Page 1 of the preceding descriptive report of T6403 and T6404 regarding errors and adjustment of planetable detail.

Leonard A. McGann

B.J. Jones

M-189

REVIEW OF GRAPHIC CONTROL SURVEY T-6404a, SCALE 1/10,000

Date of Review May 21, 1936 (T-5561)
June 15, 1936 (T-5562)

1. This survey has been reviewed in connection with Air Photo Compilation Nos. T-5561, 5562, with particular attention to the following details:

(a) Projection has been checked in the Field. ✓

(b) Accuracy of location of plane table control points. ✓

(c) Discrepancies between detail on this survey and the air photo compilations listed ~~above.~~ in review for T-5561, T-5562

(d) Discrepancies found in descriptions submitted on Form 524 when compared with the air photo compilations listed above. no cards submitted —

2. Refer to the reviews and descriptive reports of air photo compilations Nos. T-5561, 5562, for a more complete discussion of any errors or discrepancies found. ✓

Any material errors found on this survey are noted in subsequent paragraphs of this review, and these have been reported to the Field Records Section and the Cartographic Section. none ✓

Notes and corrections resulting from the review are shown on this survey in green. Note made in green concerning shoreline in error. ✓

Refer to the air photo compilations listed above for correct shoreline in this area. See page 1 of the preceding descriptive report T 6403 and T 6404 ~~for~~ regarding errors and adjustment of planetable detail.

Leonard A. Nielsen

B. J. Jones

M-189

REVIEW OF GRAPHIC CONTROL SURVEY T-6404b, SCALE 1/10,000

Date of Review June 13, 1936 (T-5562).
June 18, 1936 (T-5563).

1. This survey has been reviewed in connection with Air Photo Compilation Nos. T-5562, 5563, with particular attention to the following details:

(a) Projection has been checked in the Field. /

(b) Accuracy of location of plane table control points. /

(c) Discrepancies between detail on this survey and the air photo compilations listed above. /

(d) Discrepancies found in descriptions submitted on Form 524 when compared with the air photo compilations listed above. no descriptions. /

2. Refer to the reviews and descriptive reports of air photo compilations Nos. T-5562, 5563, for a more complete discussion of any errors or discrepancies found. /

Any material errors found on this survey are noted in subsequent paragraphs of this review, and these have been reported to the Field Records Section and the Cartographic Section. /

Notes and corrections resulting from the review are shown on this survey in green. Note made in green concerning shoreline in error. /

Refer to the air Photo Compilations listed above for correct shoreline in this area. See Page 1 of the preceding report T6403, T6404 for a discussion of planetable errors and adjustment.

Leonard A. Nielsen

B.G. Jones