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U. S. COAST & GEODETIC SURVEY
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Form 504
Ed. June, 1928

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY
R. S. Patton, Director

State: N. C.

DESCRIPTIVE REPORT

Topographic
Hydrographic

Sheet No. "B" 4674

LOCALITY

Chowan River, N. C.

1932

CHIEF OF PARTY

C. A. Egnor

U. S. GOVERNMENT PRINTING OFFICE: 1928

4674

DESCRIPTIVE REPORT

TO ACCOMPANY TOPOGRAPHIC SHEET "B"

CHOWAN RIVER, NORTH CAROLINA

INSTRUCTIONS:

This survey was accomplished under Director's Instructions for Project No. 94, dated January 21, 1932.

METHOD:

The usual plane-table methods of survey were used. Traverses run up Barnes Creek and Sarem Creek did not close and are unadjusted. It was assumed that the traverses were too short for any appreciable error to exist. Some difficulty was had with the traverse of Island Creek. Set-ups were numerous and very unsteady due to swampy ground. This creek has no importance whatever and although the traverse closed barely within the allowable limit it was considered advisable to adjust it in the field, particularly as there is considerable question as to just what constitutes the shore line.

EXTENT:

This sheet comprises a survey of the shore line of Chowan River from a line approximately one-half mile above the mouth of Wiccacon Creek to a line one-half mile south of Tunis. The topography in the vicinity of triangulation station GATESVILLE is also included.

DESCRIPTION:

With the exception of the west bank between Pettys Shore Landing and Eure Landing, the river is bordered on both sides by cypress swamp. The shore line between Pettys Shore Landing and Eure Landing is high ground and heavily wooded. Two farms occur at either end of this stretch but they are not visible from the river. At Ray's Beach, just east of the mouth of Spikes Creek there is some low firm ground which has a tendency to become marshy during continued rainy spells.

CONTROL:

The control was furnished by second and third order triangulation. All triangulation throughout this sheet has been computed consecutively from the base, Bull Pond- Lawrence.

The third order scheme is unadjusted throughout its length to the line POLE-TUNIS. Though a discrepancy has accumulated on this line as disclosed by check comparison coming from the second order line WINTON-TUNIS, all stations are homogeneous and, although the few stations in the vicinity of Tunis differ in position from the same ones on Sheet "C", it has been thought advisable not to make the local adjustment, waiting for the office to do that. In any event, the above does not seriously affect the shore line of this sheet.

NEW NAMES:

Geographical names inked on this sheet are in local usage and also appear on the Geological Survey quadrangle for the same area. From inquiries, the island formed by Island Creek and Chowan River appears to be unnamed.

MAGNETIC DECLINATION:

A magnetic meridian was determined by declinatoire at triangulation station CANE. Near the eastern limit of sheet 7-4675 "C", a meridian was obtained at triangulation station HARREL. However, there is a C. & G. S. magnetic station at Gatesville, N. C., and a more satisfactory value for charting purposes will be obtained from data secured at that station.

LAND MARKS:

No land marks occur on this sheet of sufficient prominence to warrant charting.

STATISTICS:

Area in square (statute) miles	9.8
Statute miles High Water Line	20.7
Statute miles creeks and roads	6.6

Respectfully submitted,

J. T. Jarman
J. T. Jarman,
Aid, C. & G. Survey.

Approved and forwarded;

C. A. Egner
C. A. Egner,
H. & G. Engr.,
Chief of Party.

TOPOGRAPHIC SIGNALS SHEET "B"

NAME	LATITUDE		LONGITUDE		REMARKS
	°	'	°	'	
Mo	36	21	76	45	N. R. (NOT RECOVERABLE)
Ban					"
Mar					"
Say			76	46	"
Ape					"
Fat					"
Ho					"
Cy					"
Fun					"
Lan					"
Bon					"
Run					"
Is					"
Hose					"
Lee					"
Flat					"
Saw					"

TOPOGRAPHIC SIGNALS SHEET "B"

NAME	LATITUDE			LONGITUDE			REMARKS
	o	'	"	o	'	"	
Ben	36	21	1580.7 (268.67)	76	46	267.4 (1228.7)	Not Recoverable
Buzz			1522.5 (326.87)			887.1 (609.0)	ditto
Con			1585.01 (264.36)			1302.3 (193.8)	"
Try			1175.1 (674.27)			1397.8 (98.3)	"
Hot			1609.3 (240.07)			316.6 (1179.5)	"
For			1685.5 (163.87)	76	47	103.7 (1392.7)	"
Cot			1677.82 (171.55)			383.1 (1113.0)	"
Knee			1143.2 (706.17)			327.1 (1169.0)	"
Out			879.76 (969.61)			613.0 (883.1)	"
Ver			1434.2 (415.17)			697.5 (798.6)	"
Sew			1395.4 (453.97)			1243.0 (253.1)	"
Ran			896.76 (952.61)			1382.1 (114.0)	"
Me			1762.6 (86.78)			561.7 (934.4)	"
Pat	36	22	14.38 (1835.0)			787.6 (708.5)	"
Lop			126.38 (1723.0)			948.6 (547.5)	"
Cork			54.78 (1794.6)			964.0 (532.1)	"
We			196.22 (1653.16)			1067.3 (428.8)	"

TOPOGRAPHIC SIGNALS SHEET "B"

NAME	LATITUDE			LONGITUDE			REMARKS
	O	'	"	O	'	"	
Bo	36	22	207.38 (1642.0)	76	47	1196.8 (299.3)	Not Recoverable
Eye			161.28 (1688.1)			1293.9 (202.2)	ditto
Bull			98.68 (1750.7)			1351.3 (144.8)	"
Lit			30.4 (1818.98)			1363.6 (132.5)	"
Sim	36	21	1801.3 (48.08)			1286.8 (209.3)	"
Fee			1674.38 (175.0)			1275.5 (220.6)	"
Bird			1619.01 (230.37)			1335.6 (160.5)	"
Bank			1568.41 (280.97)	76	48	17.6 (1478.5)	"
Mid			1485.0 (364.38)			104.5 (1391.6)	"
Lim			1423.6 (425.78)			190.0 (1306.1)	"
Tag			989.89 (859.49)			206.0 (1290.1)	"
Sat			1190.9 (658.48)			686.3 (809.8)	"
Log			1281.28 (568.1)			985.2 (510.9)	"
Claw			1621.28 (228.1)			737.8 (758.8)	"
Wrap			1653.6 (195.78)			904.6 (591.5)	"
Ta			1705.9 (143.48)			1027.0 (469.1)	"
So			1727.5 (121.88)			1173.5 (322.6)	"

TOPOGRAPHIC SIGNALS SHEET "B"

NAME	LATITUDE		LONGITUDE		REMARKS
	°	'	°	'	
Cat	36	21	76	48	Not Recoverable
Gin					ditto
Cur					"
Bit					"
End	36	22			"
Na	36	21	76	49	"
Tree					"
Pit					"
Won	36	22			"
Her					"
Bow	36	21			"
Spot	36	22	76	50	"
Pat					"
Al					"
Ped					"
Ar					"
Bord					"

TOPOGRAPHIC SIGNALS SHEET "B"

NAME	LATITUDE		LONGITUDE		REMARKS
	°	'	°	'	
Rub	36	22	76	50	Not Recoverable
My					ditto
Hat					"
Why			76	51	"
Trip					"
Nab					"
Red					"
Bat					"
The	36	23			"
Ball					"
Lip	36	22	76	52	"
Strip					"
Ban	36	23			"
Nut					"

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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

REGISTER NO. **4674**

State North Carolina

General locality Chowan River

Locality Wiccacon Creek to Tunis

Scale 10,000 Date of survey April--May, 192 32

Vessel M. V. NATOMA

Chief of Party C. A. Egener

Surveyed by J. T. Jarman

Inked by J. T. Jarman

Heights in feet above _____ to ground to tops of trees

Contour, Approximate contour, Form line interval _____ feet

Instructions dated January 21, 192 32

Remarks: _____