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Department of Commerce and Labor
COAST AND GEODETIC SURVEY

E. Lester Jones
Superintendent

State: *N.C.*

DESCRIPTIVE REPORT

Hydrographic Sheet No. *3729*

LOCALITY:

Albemarle Id.

1915

CHIEF OF PARTY:

T. C. Whitney

11-1045

3729

3729A

General Locality: Albemarle Sound, N.C.

Special Locality: Vicinity of Perquimans River.

Boat: Launch No. 51

Hydrographer: Paul C. Whitney and L.G. Howes.

Chief of Party: Paul C. Whitney.

Scale: 1/20,000.

DESCRIPTIVE REPORT

To Accompany Hydrographic Sheet, Field Letter "B"

ALBEMARLE SOUND, N.C.

March 1915.

Steamer "HYDROGRAPHER,"
Paul C. Whitney, Chief of Party

Scale 1/20,000

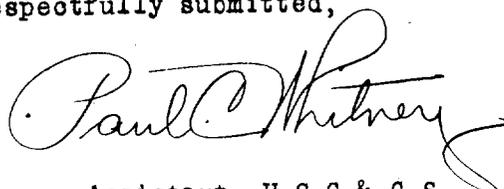
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The hydrography executed on this sheet was done in conformity with instructions of December 29, 1914. The signals used depend upon a triangulation executed in 1909, and a topographic survey made this season by the party attached to the Steamer "HYDROGRAPHER".

This sheet was not completed by this party. There remains all the small boat hydrography of the south side of Albemarle Sound from the western limits of the sheet to signal "Bel", including Bull Bay and tributaries, and from westward of Drummond Point to the line east of Batts Island, including Yeopim River and Yeopim Creek. The ship work is done eastward of the line Laurel Point Lighthouse and Batts Island and is plotted on sheet E.

Tides were read on a staff erected on Laurel Point Lighthouse, the plane of reference being 2.7 feet on staff from the first twenty-five low waters observed.

Respectfully submitted,



Assistant, U.S.C. & G.S.,
Chief of Party,
Comdg. U.S.S. HYDROGRAPHER.

L I S T O F S T A T I S T I C S

To Accompany Hydrographic Sheet, Field Letter "B",

ALBEMARLE SOUND, N.C.

March 1915

Steamer HYDROGRAPHER,
Paul.C.Whitney, Chief of Party.

Scale: 1/20,000

1915 Date	Vol.	Letter	Pos.	Sdgs.	Miles	Boat
Feb. 15	1	A	92	721	21.2	Hydrographer
23	1	B	17	136	5.7	"
Mar. 3	2	a	74	555	14.3	Launch No. 51
12	2	b	51	273	7.8	"
Totals			234	1685	59.0	

Tidal Note:

Tide Staff at Laurel Point Lt.Ho.
Plane of reference reads 2.7 on staff.

VEC
Oct. 12, 1915

L. P. J.

HYDROGRAPHIC SHEET 3729.

Albemarle Sound, near Batts Island, North Carolina, by
Assistant P. C. Whitney in 1915.

TIDES.

	Laurel Point Light ft.
Mean low water, or plane of reference on staff	2.7
Lowest tide observed " "	1.8
Highest " " " "	4.0
Mean range of tide	0.3

Hyd. Sheet 3729.

Projected by Field Party.

Soundings plotted by S. L. Rosenberg.

The first and last positions of each line and all positions that appeared at all doubtful were verified, and corrected when found in error, and the signals, which ^{had} been either transferred from the topographic sheet or determined by cuts, were also checked.

The area was well developed and the work was good. The only danger located was a fish trap near position 51 B.

Owing to the closeness of the work, not all the soundings were plotted.

Soundings in feet.

S. L. Rosenberg
Sept. 6, 1916.

Inked and verified by J. B. Shale
Oct 7 - 1916.

LIBRARY

Place with descriptive report
of hydrographic sheet No. 3729

S.L.R.
Drawing Section.

3729
3729^a



6728
6728

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

State:

11-5613

DESCRIPTIVE REPORT.

Hyd Sheet No. 3729⁺
3729^a

LOCALITY:

191

CHIEF OF PARTY:

Descriptive report & 3729^a

To accompany Hydrographic Sheet 3729

Perquimans & Little River

Albemarle Sd. N. C.

January-March 1917

Scales { $\frac{1}{20,000}$
 $\frac{1}{10,000}$

Schooner Matchless

F. B. T. Siems

Chief of party

A part of the hydrography of sheet 3729 was executed by the party of P. C. Whitney in February and March 1915, (See corresponding descriptive report) and completed by this party in accordance with instructions dated January 9, 1917.

The tide stations used in Perquimans River were referred directly or indirectly to Laurel Pt. L. H. tide Station, P. C. W. 1915, in accordance with instructions dated January 10, 1917, However it is possible that a better determination of the plane of reference for the work can be deduced by including the observations of 1917 at Laurel Pt. L. H. with those of 1915. A good determination of the plane of reference may also be independently obtained from the numerous observations at Hertford tide station.

At the date of transfer of the command of the Schr. Matchless April 13, 1917, Capt. Heck has been instructed to obtain relations between tide staff at Mill Pt., Little River, and Laurel pt., L. H.

The hydrography of the upper part of perquimans River has been done on 1/10,000 scale sub-sheet No. 3729^a

See semi annual report of chief of party covering period Jan. 1 April 13, 1917 regarding triangulation and tidal stations.

A range of beacons (day marks) were established by this party marking the dredged cut channel at Hertford, N. C. from Ferry Pt. to the point of the town of Hertford as shown on sheet 3729^a. The positions of the beacons are determined by sextant angles given in the angle book and both are white-washed boards in the shape of a diamond.

Respectfully submitted

F. B. Williams
Chief of party.

TABLE STATISTIC TO ACCOMPANY HYDROGRAPHY SHEET NO. 3729a.

Date	Boat	Vol.	Letter	Miles	Sounding	Posit.	Angles.
Feb.2	Launch	44	1	2.5	139	23	44
" 5	"	44	1	0.5	24	5	10
" 6	"	44	1	4.5	247	44	73
" 7	"	44	1	2.8	195	46	82
" 8	"	54	1	9.0	525	113	226
" 12	"	54	1	1.0	73	19	38
Totals				20.3	1203	250	473

TABLE STATISTIC TO ACCOMPANY HYDROGRAPHY SHEET No. 3729

Date	Boat	Vol.	Letter	Miles	Soundings	Posit.	Angles
Jan. 19	Launch	54	1	12.0	543	101	202
" 20	"	54	1	1.2	53	9	18
" 22	"	54	1	10.0	434	55	110
" 23	"	54	1	15.0	611	82	164
" 24	"	44	2	2.5	134	18	39
" 26	"	44	2	17.0	785	96	190
" 27	"	44	2	10.2	449	60	118
" 30	"	44	2	17.6	762	107	214
" 31	"	44	3	17.0	595	111	222
Feb. 1	"	44	3	8.0	362	69	118
April 23	"	54	3	6.2	287	43	84
Feb. 22	"	54	4	17.5	703	113	121
" 28	"	54	4	18.0	658	107	209
March 2	"	54	4	5.2	188	30	60
" 3	"	54	4&5	16.0	700	95	194
" 5	"	54	5	6.5	283	44	85
" 6	"	54	5	25.2	1021	143	286
" 7	"	54	5&6	20.3	929	143	296
" 8	"	54	6	10.5	468	73	140
" 9	"	54	6&7	26.7	1229	172	340
" 10	"	44	7	11.3	502	83	161
" 12	"	54	7	26.5	1191	169	334
" 13	"	54	8	24.8	1096	158	316
" 14	"	54	8	13.5	528	76	152

Continues from Page No. 1

date	Boat	Vol.	Letter	Miles	Soundings	Posit.	Angles.
March 15	Launch	44	9	19.0	861	134	259
" 16	"	54	9	13.0	642	87	110
Totals	370.7	16016	2373	4540

VEC
Sept. 13, 1917

HYDROGRAPHIC SHEET 3729.

Perquimans River and Little River, Albemarle Sound, N.C., by
party of F. B. T. Siems in 1917.

TIDES.

	Mill Point Little R.	Symonds Farm Little R.	LeRoy Wharf Perquimans R.	Hertford Perquimans R.
	Feet.	Feet.	Feet.	Feet.
Mean low water, or plane of reference on staff	1.8	0.5	2.1	2.9
Mean range of tide	1.0-	1.0-	1.0-	1.0-

VEC
Sept, 13, 1917

L.S.D.

HYDROGRAPHIC SHEET 3729A.

Perquimans River, Albemarle Sound, N.C., by party of
F. B. T. Siems in 1917.

TIDES.

	Hertford Feet.
Mean low water, or plane of reference on staff	2.9
Mean range of tide	1.0-

HYD. SHEET NO. 3729

ADDITIONAL WORK

(original work in Perquiman River between Δ Pin and Nig)

Surveyed by O. W. Straube (F. T. Siems, chief of party) Protracted by Field Party.
Soundings plotted and inked by S. L. Rosenberg. Verified by *J. O. Torrey*

This survey as a whole was a good one. The area was well developed, the crossings were close and the records were well kept. Two additional cross lines should have been run over the work of 1915 in Perquiman River between Δ Pin and Nig, to carry out the general scheme of development, although they are not essential.

A depth of 6 feet found in latitude $36^{\circ}4'30''$, longitude $76^{\circ}14'20''$, between an eleven and a thirteen foot sounding was marked O.K. but investigated. An effort to find the least depth should have been made.

Some of the soundings at the mouth of Little River fell off this sheet and were plotted on a sub-sketch. The original intention was to show this work on the overlapping sheet but the positions had already been protracted on the sub-sketch by the Field Party, so the sub-sketch was used.

A comparison was made of this survey and the old work of 1847 and practically no changes had occurred in this interval of 70 years.

The soundings are plotted in feet.

Samuel L. Rosenberg

December 1, 1917