

12294

ORIGINAL

12294

Form 504	
U. S. DEPARTMENT OF COMMERCE	
COAST AND GEODETIC SURVEY	
DESCRIPTIVE REPORT	
Type of Survey	Shoreline (Photogrammetric)
Field No.	Office No. T-12294
LOCALITY	
State	North Carolina-South Carolina
General locality	Long Bay
Locality	Hog Inlet
1964-1965 1962-64	
CHIEF OF PARTY	
J. K. Wilson, Chief of Field Party	
Allen L. Powell, Director, AMC	
LIBRARY & ARCHIVES	
DATE	

USCOMM-DC 5087

DESCRIPTIVE REPORT - DATA RECORD

T -12294

PROJECT NO. (II):

Job PH-6217

FIELD OFFICE (III):

Myrtle Beach, South Carolina

CHIEF OF PARTY

Joseph K. Wilson

PHOTOGRAMMETRIC OFFICE (III):

Atlantic Marine Center

OFFICER-IN-CHARGE

J. Bull, Director, Atlantic Marine
Center

INSTRUCTIONS DATED (II) (III):

Field: September 11, 1963

Office: October 14, 1963

Office: January 10, 1964 Amendment I.

~~Office: February 17, 1964~~

METHOD OF COMPILATION (III):

Kelsh Plotter

MANUSCRIPT SCALE (III):

1:10,000

STEREOSCOPIC PLOTTING INSTRUMENT SCALE (III):

1:6,000 pantographed to 1:10,000

DATE RECEIVED IN WASHINGTON OFFICE (IV):

DATE REPORTED TO NAUTICAL CHART BRANCH (IV):

APPLIED TO CHART NO.

DATE:

DATE REGISTERED (IV):

GEOGRAPHIC DATUM (III):

N.A. 1927

VERTICAL DATUM (III):

~~MEAN SEA LEVEL~~ EXCEPT AS FOLLOWS: MHW

Elevations shown as (25) refer to mean high water

Elevations shown as (5) refer to sounding datum

i.e., mean low water or mean lower low water

REFERENCE STATION (III):

LEWIS 1934 ✓

LAT.:

33° 51' 01."615 (49.8m) ✓

LONG.:

78° 36' 06."256 (160.8m) ✓

☐ ADJUSTED☐ UNADJUSTED

PLANE COORDINATES (IV):

STATE

ZONE

Y = 318,085.32 ft. ✓

X = 2,728,120.76 ft. ✓

South Carolina ✓

North ✓

ROMAN NUMERALS INDICATE WHETHER THE ITEM IS TO BE ENTERED BY (II) FIELD PARTY, (III) PHOTOGRAMMETRIC OFFICE,
OR (IV) WASHINGTON OFFICE.

WHEN ENTERING NAMES OF PERSONNEL ON THIS RECORD GIVE THE SURNAME AND INITIALS, NOT INITIALS ONLY.

DESCRIPTIVE REPORT - DATA RECORD

FIELD INSPECTION BY (II): Erwest W. Hartford Matthew A. Stewart Harvey G. Lucas Robert S. Tibbetts		DATE: Jan-Feb 1964 Feb-Mar 1964 Nov-Dec 1963 Feb-Mar 1964
MEAN HIGH WATER LOCATION (III) (STATE DATE AND METHOD OF LOCATION): Air Photo compilation March 1964		
PROJECTION AND GRIDS RULED BY (IV): A. E. Roundtree (Washington Office)		DATE Jan. 1965
PROJECTION AND GRIDS CHECKED BY (IV): P. Hawkins (Washington Office)		DATE Jan. 1965
CONTROL PLOTTED BY (III): H. Cordell		DATE Mar. 1965
CONTROL CHECKED BY (III): A. Santillan		DATE Mar. 1965
RADIAL PLOT OR STEREOSCOPIC CONTROL EXTENSION BY (III): W. Heinbaugh (Washington Office)		DATE Nov. 1964
STEREOSCOPIC INSTRUMENT COMPILATION (III):	PLANIMETRY L. Sullivan Reviewed by: K. Boyle	DATE Mar. 1965
	CONTOURS Inapplicable	DATE
MANUSCRIPT DELINEATED BY (III): L. Sullivan		DATE Mar. 1965
SCRIBING BY (III):		DATE
PHOTOGRAMMETRIC OFFICE REVIEW BY (III): R. E. Smith		DATE Apr. 1965
REMARKS: FIELD EDIT - NONE		

DESCRIPTIVE REPORT - DATA RECORD

CAMERA (KIND OR SOURCE) (III):

S & W Cameras

PHOTOGRAPHS (III)

NUMBER	DATE	TIME	SCALE	STAGE OF TIDE
62 S 848A	24 Aug. 1962	0824	1:30,000(Diapositives)	0.3
849A	"	0824	"	0.3
850A	"	0824	"	0.3
63 W 3036	21 Feb. 1963	0953	"	1.4
3037	"	0954	"	1.2
3038	"	0955	"	1.2

TIDE (III) Predicted

	RATIO OF RANGES	MEAN RANGE	SPRING RANGE
REFERENCE STATION: Charleston, S.C.		5.2	6.1
SUBORDINATE STATION: Little River, one mile above mouth		5.0	5.9
SUBORDINATE STATION:			

WASHINGTON OFFICE REVIEW BY (IV):

Leo F. Beugnet, ANIC

DATE:

May 1971

PROOF EDIT BY (IV):

DATE:

NUMBER OF TRIANGULATION STATIONS SEARCHED FOR (II):

5

RECOVERED:

3

IDENTIFIED:

1

NUMBER OF BM(S) SEARCHED FOR (II):

10

RECOVERED:

4

IDENTIFIED:

2

NUMBER OF RECOVERABLE PHOTO STATIONS ESTABLISHED (III):

None

NUMBER OF TEMPORARY PHOTO HYDRO STATIONS ESTABLISHED (III):

None

REMARKS:

T-12294

COMPILATION RECORD	COMPLETION DATE	REMARKS
Shoreline for hydro-support	March 1965	
Final Review	May 1971	

PROJECT PH-6217 SHORELINE MAPPING NORTH CAROLINA-CAPE FEAR TO SOUTH CAROLINA-WINYAH BAY

Official Mileage For Cost Accounts

PH-6217

Sheet Number	Area Square Miles	Shoreline Linear Miles
12288	30	38
12289	30	34
12290	26	26
12291	34	35
12292	9	9
12293	8	15
12294	7	22
12295	12	16
12296	7	7
12297	7	6
12298	30	30
12299	5	4
12300	25	25
12301	8	10
12302	40	34
TOTALS	278	311

14 SEPT 1962

SUMMARY TO ACCOMPANY
DESCRIPTIVE REPORT T-12294

Shoreline survey T-12294 is one of fifteen similar surveys in project PH-8217. Thirteen surveys were at 1:20,000 scale and the remaining two at 1:10,000 scale. This survey covers that area in the vicinity of Hog Inlet and includes parts of Little River, Calabash Creek and the Intracoastal Waterway. See page 5 of the Descriptive Report for the location of the map within the project.

Field work preceded compilation. This consisted of recovery and identification of horizontal control, shoreline and interior field inspection, location of fixed aids to navigation and the selection of landmarks for charts.

The purpose of the survey was to provide shoreline and photo-hydro support for hydrographic surveys to be made in the area. It was not used for this purpose and field edit of the survey was never accomplished. This survey is to be superseded by survey T-12294 (2) of Job PH-7019 which will be compiled from photography of 1970.

Compilation of this survey was at 1:10,000 scale by Kelsh Plotter methods using the photography of August 1962 and February 1963. Final review was in the Atlantic Marine Center in May 1971. One cronaflex positive and a negative of the final reviewed survey are forwarded for record and registry.

FIELD INSPECTION REPORT
Project 21059
Maps T-12288 thru T-12291
and T-12293 thru T-12295

This report is submitted for seven maps since there is no great difference in terrain, natural or cultural features which would require special treatment.

2. AREAL FIELD INSPECTION

The area lies between the North portion of Myrtle Beach, South Carolina to the Cape Fear River in North Carolina. It includes the Intracoastal Waterway and is bordered on the Southeast by the Atlantic Ocean. The photograph coverage is not complete for each map, therefore in accordance with Instructions from Washington, field inspection has been completed to the limits of the photographs with the exception of a few places where photograph coverage extends beyond the map limits.

The area along the Atlantic Ocean is a summer resort. The portion from Myrtle Beach to the North Carolina line is built up almost solid while the area from the North Carolina line to the Cape Fear River is more sparsely settled.

There are several small villages along and near U. S. Highway 17. Some of the larger are: Crescent Beach, Little River, Shallotte and Southport.

The photographic quality was good for the entire area. Photographic tones were found to be similar to other areas along the South Atlantic Coast. The photographs used were flown in both 1962 and 1963, therefore, causing some areas to photograph slightly different. The field inspector has used the more recent photography where possible.

Photographs used for field inspection are listed below for individual maps:

<u>T-12293</u>	<u>T-12294</u>	<u>T-12295</u>	<u>T-12288</u>	<u>T-12289</u>	<u>T-12290</u>	<u>T-12291</u>
62 S 851A	62 S 849A	62 S 847A	62 S 832A	62 S 831A	62 S 908A	63 W 3027
62 S 1061A	62 S 850A	62 S 846A	62 S 843A	62 S 827A	62 S 909A	63 W 3025
62 S 1062A	63 W 3036	63 W 3034	62 S 845A	62 S 829A	62 S 910A	63 W 3024
62 S 1063A	63 W 3037	63 W 3035	63 W 3029	62 S 841A	62 S 911A	62 S 903A
62 S 1064A	63 W 3038		63 W 3030	63 W 3029	62 S 912A	62 S 904A
62 S 851A			63 W 3031		62 S 913A	62 S 905A
62 S 852A			63 W 3032		62 S 914A	62 S 906A
62 S 853A			63 W 3033		62 S 827A	62 S 907A
62 S 854A						
62 S 855A						

3. HORIZONTAL CONTROL

Horizontal control recovery and identification has been completed in accordance with project instructions.

The identification of horizontal control was accomplished on 15 February 1964 and forms 152 and 526 (in duplicate) were forwarded to Washington at that time.

PRICE AZIMUTH MARK, 1962 was moved to a new location by this party. See 1964 description and new G.P.

Horizontal control stations reported "lost", "destroyed", or "not recovered" are listed below by maps:

T-12293

SANDY, 1934
INTRACOASTAL WATERWAY STA. 730/84.60, 1934
NIXON, 1923

T-12294

INTRACOASTAL WATERWAY BEACON NO. 46, 1934
LITTLE RIVER BEACON NO. 8, 1934

T-12295

INTRACOASTAL WATERWAY BEACON NO. 77, 1934
BIRD, 1962

T-12288

SAUCE, 1934
TUBBS, 1934
SYLVIA, 1934
BALD BEACH, 1962
INTRACOASTAL WATERWAY BEACON NO. 38, 1934
INTRACOASTAL WATERWAY BEACON NO. 36, 1934
INTRACOASTAL WATERWAY BEACON NO. 42, 1934
INTRACOASTAL WATERWAY BEACON NO. 55, 1934
INTRACOASTAL WATERWAY BEACON NO. 57, 1934
INTRACOASTAL WATERWAY BEACON NO. 59, 1934
INTRACOASTAL WATERWAY BEACON NO. 61, 1934
INTRACOASTAL WATERWAY BEACON NO. 71, 1934
INTRACOASTAL WATERWAY BEACON NO. 73, 1934
INTRACOASTAL WATERWAY BEACON NO. 75, 1934

T-12289

HEWETT, 1934
LOCKWOOD, 1934
FISH, 1923
CHADWICK, 1934
TAR, 1934
INTRACOASTAL WATERWAY BEACON NO. 29, 1934
INTRACOASTAL WATERWAY BEACON NO. 30, 1934

INTRACOASTAL WATERWAY BEACON NO. 32, 1934
INTRACOASTAL WATERWAY BEACON NO. 34, 1934
INTRACOASTAL WATERWAY BEACON NO. 35, 1934
INTRACOASTAL WATERWAY BEACON NO. 45, 1934
INTRACOASTAL WATERWAY BEACON NO. 51, 1934

T-12290

WATERWAY, 1934
BIG HILL, 1905
INTRACOASTAL WATERWAY BEACON NO. 23, 1934

T-12291

A. L. (U.S.E.), 1923
CORNCAKE, 1962
FUZZY, 1933
3 (U.S.E.), 1933
BRIDGE, 1933
ROAD, 1933
OAK, 1933
R. B., 1923

4. VERTICAL CONTROL

A search was made for all tidal bench marks within the limits of these maps. Form 685A is submitted for each mark.

5. CONTOURS AND DRAINAGE

Contours are inapplicable.

Drainage is almost entirely composed of tidal streams. Normal drainage is generally by direct run-off into marsh or swamp.

6. WOODLAND COVER

Woodland Cover was classified in accordance with the Topographic Manual.

7. SHORELINE AND ALONGSHORE FEATURES

The high-water line has been indicated on the photographs by symbol in accordance with current instructions. No attempt was made to delineate the low-water line. The delineation of the high-water line was accomplished by several methods: Measurements from identifiable points of detail; by visual inspection from skiff; and by walking the shoreline.

All other shoreline features are adequately covered by field inspection notes on the photographs. There have been few developments since photography. Included with the map data for T-12289 is a tracing of a surveyors map of a new development along the Intracoastal Waterway. The field inspector has located several common points of detail photogrammetrically.

The field inspector has delineated the shoreline on the 1963 photographs where possible. The compiler will note, along the Intracoastal Waterway, a mud bank where the 1963 photographs were flown at a lower tide than the 1962 ones.

8. OFFSHORE FEATURES

A letter-size section of the chart is submitted with Map T-12291. Several piling, wrecks, etc. were located by sextant or theodolite cuts.

9. LANDMARKS AND AIDS

A thorough inspection of Nautical Landmarks was made. Form 567 is submitted for each. A few have been shown for deletion and a few new ones are recommended.

All fixed aids to navigation are reported on form 567 for charting. There was only a few changes. A few new daybeacons and one rear range light have been added at the Oak Island Entrance in Map T-12291. The aids were located by several photogrammetric methods, namely: direct method, theodolite cuts from triangulation stations and photo points, and by sextant.

10. BOUNDARIES, MONUMENTS AND LINES

There have been no boundary lines shown.

11. OTHER CONTROL

There were no marked topographic stations established.

12. OTHER INTERIOR FEATURES

All roads were classified in accordance with Photogrammetric Instructions No. 56.

Field Inspection of buildings was done in accordance with Photogrammetric Instructions No. 54, revised September 22, 1961.

There were no bridge or cable clearances measured during this survey.

Marsh and swamp limits have been shown on the photographs where coverage was available.

13. GEOGRAPHIC NAMES

See Special Report of Geographic Names, Project 21059, which was submitted to Washington on 5 February 1964.

14. SPECIAL REPORTS AND SUPPLEMENTAL DATA

Control Identification to Washington 10-16-63.
Control Identification to Washington 10-24-63.
Map Data T-12300 thru T-12302 to Tampa 1-17-64.
Geographic Names Report to Washington 2-10-64.
Control Identification to Washington 2-13-64.
Map Data T-12298 to Tampa 2-25-64.
Map Data T-12292, T-12296, T-12297 and T-12299 to Tampa 3-4-64.

23 April 1964
Submitted by:

Joseph K. Wilson
Joseph K. Wilson
Chief, Photo Party 6420

12

AEROTRIANGULATION REPORT

Project No. 21059

Cape Fear to North Carolina

Winyah Bay to South Carolina

21. Area Covered

This report covers aerotriangulation bridging of the Atlantic Coast from Myrtle Beach, South Carolina to Cape Fear, North Carolina (T-Sheets T-12288 thru T-12295 and T-12297).

22. Method

Three strips were bridged on the stereoplanigraph and adjusted by IBM 1620 methods. All stations held within National Map Accuracy Standards, with the exceptions of Corncake RM #1, 1962 (Strip #3) and Goat, 1934, SS"A". All tie points were averaged. Plotting coordinates are furnished at 1:10,000 scale.

23. Adequacy of Control

Horizontal control provided was adequate in quality and coverage, with the exception of Corncake RM # 1, 1962, which could not be held in strip #3. It is believed that the RM #1 has been disturbed (see Form 526 Recovery Note). Another station should be identified in the area to complete T-Sheet No. T-12291, Goat 1934, SSA could not be clearly identified in strip #1 and was eliminated from the bridge.

24. Supplemental Data

None

25. Photography

Photography was adequate as to coverage, overlap, and definition.

Submitted by:

W. Heinbaugh
W. Heinbaugh GfOP

Approved by:

John D. Foxrow, Jr.
JOHN D. FOXROW, JR.

MAP T-12294

PROJECT NO. 21059

SCALE OF MAP.....1:10,000

SCALE FACTOR

[illegible]

1 FT. = .3048006 METER **BLB**
COMPUTED BY:

DATE 2-8-65

CHECKED BY: A. Santillan

DATE:

COMM-DC-57843

13

9
14

COMPILATION REPORT
T-12294

The aerotriangulation bridge was run in the Washington Office and the report is submitted with T-12297.

31. DELINEATION

The Kelsh Plotter was used. Field inspection was adequate.

Photography was satisfactory.

32. CONTROL

~~See Aerotriangulation Report (with T-12297)~~

33. SUPPLEMENTAL DATA

None

34. CONTOURS AND DRAINAGE

Inapplicable

35. SHORELINE AND ALONGSHORE DETAILS

The shoreline inspection was adequate and was delineated accordingly. The approximate low water line was delineated from office interpretation of the low water photography.

36. OFFSHORE DETAILS

None

37. LANDMARKS AND AIDS

Appropriate copies of two forms 567 for aids to navigation were forwarded to the Washington Office under date 5-4-65.

37. LANDMARKS AND AIDS (Cont.)

There are no landmarks.

38. CONTROL FOR FUTURE SURVEYS

None

39. JUNCTIONS

Junctions have been made with:

T-12295 to the east

T-12293 to the west

There is no contemporary surveys to the north and south.

40. HORIZONTAL AND VERTICAL ACCURACY

No statement

46. COMPARISON WITH EXISTING MAPS

Comparison has been made with U.S.G.S. Quadrangle LITTLE RIVER, SC-NC scale 1:24,000 revised in 1947 from South Carolina 1:31,680 AMS, Little River, 1943. The shoreline around Hog Island has undergone considerable change, however, this area is subject to frequent changes.

47. COMPARISON WITH NAUTICAL CHARTS

Comparison has been made with Charts 835 scale 1:40,000 edition of 1952 revised November 30, 1959 and 1237, scale 1:80,000 2nd edition of 1938, revised November 5, 1962.

The same differences were noted as under Item 46.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

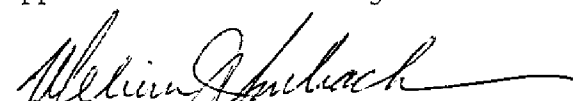
None

ITEMS TO BE CARRIED FORWARD

None


L. Sullivan

Approved for forwarding:


Melvin J. Umbach, CDR, NOAA
Chief, Photogrammetry Division, AMC

Approved:


Allen L. Powell, RADM, NOAA
Director, Atlantic Marine Center

May 28, 1971

GEOGRAPHIC NAMES

FINAL NAME SHEET

PH-6217 (North Carolina)

T-12294

Atlantic Ocean

Calabash Creek

Cherry Grove Beach

Corkins Neck

Dunn Sound

Dunn Sound Creek

Eden Saltworks Creek

Goat Island

Hog Inlet

Hog ~~Islet~~ Island

Horse Ford Creek

House Creek

Intracoastal Waterway

Little River (river)

Little River (town)

Little River Neck

Long Bay

Milliken Cove

Mink Island

Molly Creek

Sheephead Creek

The Battery Island

Waiter Island

Williams Creek

Approved by:

A. Joseph Wraight

A. Joseph Wraight
Chief Geographer

Prepared by:

Frank W. Pickett

Frank W. Pickett
Cartographic Technician

T-12294

49. NOTES FOR THE HYDROGRAPHER

None

17-18

FORM 182 (3-61)		PHOTOGRAMMETRIC OFFICE REVIEW		U.S. DEPARTMENT OF COMMERCE COAST AND GEODETIC SURVEY	
1. PROJECTION AND GRIDS		2. TITLE		3. MANUSCRIPT NUMBERS	4. MANUSCRIPT SIZE
RES		RES		RES	RES
CONTROL STATIONS	5. HORIZONTAL CONTROL STATIONS OF THIRD-ORDER OR HIGHER ACCURACY		6. RECOVERABLE HORIZONTAL STATIONS OF LESS THAN THIRD-ORDER ACCURACY (TOPOGRAPHIC STATIONS)		
	RES		XX		
	7. PHOTO HYDRO STATIONS	8. BENCH MARKS	9. PLOTTING OF SEXTANT FIXES	10. PHOTOGRAMMETRIC PLOT REPORT	
	--	RES	LN	W.O. Bridge	
	11. DETAIL POINTS				
	Kelsh				
ALONGSHORE AREAS (Nautical Chart Data)	12. SHORELINE	13. LOW-WATER LINE	14. ROCKS, SHOALS, ETC.	15. BRIDGES	
	RES	RES	RES	--	
	16. AIDS TO NAVIGATION	17. LANDMARKS	18. OTHER ALONGSHORE PHYSICAL FEATURES		
	RRW	RRW			
	19. OTHER ALONGSHORE CULTURAL FEATURES				
	RES				
PHYSICAL FEATURES	20. WATER FEATURES		21. NATURAL GROUND COVER		
	RES		RES		
	22. PLANETABLE CONTOURS		23. STEREOSCOPIC INSTRUMENT CONTOURS		
	--		--		
	24. CONTOURS IN GENERAL		25. SPOT ELEVATIONS		
	--		--		
	26. OTHER PHYSICAL FEATURES				
	RES				
CULTURAL FEATURES	27. ROADS	28. BUILDINGS	29. RAILROADS		
	RES	RES	--		
	30. OTHER CULTURAL FEATURES				
	RES				
BOUNDARIES	31. BOUNDARY LINES		32. PUBLIC LAND LINES		
	--		--		
MISCEL- LANEOUS	33. GEOGRAPHIC NAMES			34. JUNCTIONS	
	RES			RES	
	35. LEGIBILITY OF THE MANUSCRIPT	36. DISCREPANCY OVERLAY		37. DESCRIPTIVE REPORT	
	RES	XX		RES	
	38. FIELD INSPECTION PHOTOGRAPHS		39. FORMS		
	R.R.W.		RES		
	SIGNATURE OF REVIEWER		SIGNATURE OF SUPERVISOR, REVIEW SECTION OR UNIT		
	RES <i>P.E. Smith</i>		ACR Jr <i>Albert C. Rauch Jr.</i>		
FIELD COMPLETION ADDITIONS AND CORRECTIONS TO THE MANUSCRIPT - Additions and corrections furnished by the field completion survey have been applied to the manuscript. The manuscript is now complete except as noted in remarks on reverse side.					
SIGNATURE OF COMPILER			SIGNATURE OF SUPERVISOR		

REVIEW REPORT T-12294

SHORELINE

May 20, 1971

61. GENERAL STATEMENT

See Summary, which is page 6 of the Descriptive Report.

62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS

Comparison was made with surveys T-8201 and T-8205. These are 1:20,000 scale surveys made in 1943. These are part of the 7 1/2 minute series of standard topographic quadrangle maps, printed and distributed by the U. S. Geological Survey. All differences noted that exist between the surveys and T-12294 will also exist between the LITTLE RIVER and CALABASH, N.C.-S.C. USGS quadrangles and T-12294.

The shoreline in the area has undergone a vast change since the time of these older surveys. Hog Inlet has shifted to the southwest and erosion has claimed some 220 meters of beach in one area. The more significant of the changes have been noted on the comparison print in blue.

Registered surveys T-8201 and T-8205 are obsolete. They are superseded by T-12294 for nautical chart construction purposes.

63. COMPARISON WITH MAPS OF OTHER AGENCIES:

See Item 62.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS

There were no contemporary hydrographic surveys available for comparison purposes at the time of final review.

65. COMPARISON WITH NAUTICAL CHARTS

Comparison was made with Chart 835-SC, 8th edition, January 23, 1971. Some differences in the shoreline between the two surveys were noted. These have been indicated on the comparison print in red.

Some changes in the fixed aids to navigation have been made since the time of field work for this survey. Little River Inlet Daybeacon 4 is not shown on the chart and Little River Inlet Daybeacon 6 is now "22" on the chart.

66. ADEQUACY OF RESULTS AND FUTURE SURVEYS

This survey complies with instructions and meets the National Standards of Map Accuracy.

Reviewed by:

Leo F. Beugnet
Leo F. Beugnet
Cartographer

Approved for forwarding:

Melvin J. Umbach
Melvin J. Umbach, CDR, NOAA
Chief, Photogrammetry Division, AMC

Approved:

Allen L. Powell
Allen L. Powell, RADM, NOAA
Director, Atlantic Marine Center

Approved:

Charles L. Lamm *Jack E. Luth*
Chief, Photogrammetric Branch Chief, Photogrammetry Division

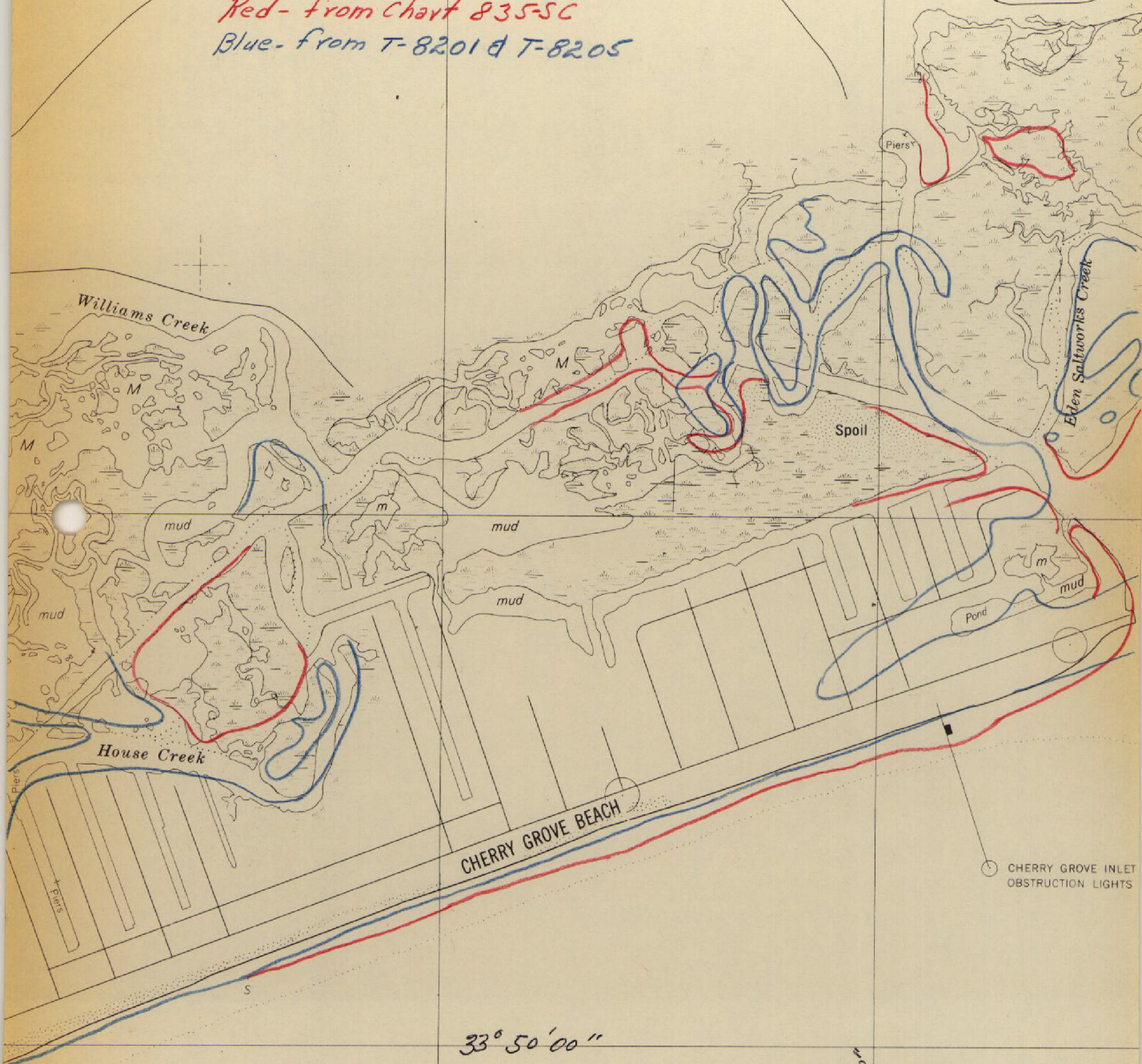
62-S-850A

Pond

33° 51' 00"

Red- from chart 835-5C

Blue- from T-8201 & T-8205



33° 50' 00"

78° 37' 00"

NOTE:

"The photogrammetric location and delineation of features offshore from the mean high-water line on this survey may not be complete or final. The contemporary reviewed hydrographic survey of the area where available, should be consulted for the final delineation."

78° 36' 30"

T-12294
1:10,000 scale

Red- from chart 835-SC
Blue- from T-8201

78°36'00"

33°51'30"

Dunn Sound

mud

mud

Sand

63-W 3037

W A I T E

33°50'30"

78°35'00"

Hog Island

H o g I n l e t

L O N G B A Y

T-12294
1:10,000 scale

52'00"

LITTLE RIVER INLET
DAYBEACON 6 1964

CAPE FEAR-LITTLE RIVER
LIGHT 116 1964

"22" on chart

INTRACOASTAL WATERWAY

CAPE FEAR-LITTLE RIVER
LIGHT 117 1964

Spoil

Spoil

Mink Island

Molly Creek

Horse Ford Creek

Goat Island

y = 40,000 FT. N.C

33° 51'30"

The Battery Island

BOAT 1934
TBM

63-W-3036

R I V E R

Dunn Sound Creek

Sheephead Creek

LITTLE RIVER INLET
DAYBEACON 4 1964

y = 320,000 FT. S.C

Not on chart

*Red-From Chart 835-SC
Blue-From T-8201*

78° 34'30"

Sand

33° 51'00"

R I S L A N D

78° 33'45"

y = 35,000 FT. N.C

T-12294
1:10,000 scale



Little River

33° 52' 30"

Pond

LITTLE

LITTLE RIVER-WINYAH BAY

LIGHT 9 1964

Spoil

Spoil

LITTLE RIVER-WINYAH BAY

DAYBEACON 11 1964

LITTLE RIVER-WINYAH BAY

DAYBEACON 13 1964

Dolphin

Dolphin

Dolphin

Spoil

Spoil

Red-from chart 835-sc
Blue-from T-8201

LITTLE RIVER-WINYAH BAY

LIGHT 17 1964

Spoil

78° 37' 00"

78° 36' 30"

R

E

33° 51' 30"

L

T

T

L

T-12294
1:10,000 scale



33°53'00"

78°36'00"

mud

Spoil

Spoil

Spoil

Spoil

Spoil

Sand

LITTLE RIVER-WINYAH BAY
DAYBEACON 8 1964

LITTLE RIVER-WINYAH BAY
LIGHT 7 1964

LITTLE RIVER-WINYAH B.
DAYBEACON 6 1964

RIVER

Spoil

Red- from chart 835-SC
Blue- from T-8201 & 8205

78°35'00"

33°52'00"

62-S-849A

N
E
C
K

T-12294
1:10,000 scale

78° 34' 30"

y=50,000 FT. N.C.

33° 53' 00"

y=330,000 FT. S.C.

62-S-848A

Red-From Chart 835-SC
Blue-From T-8201 & T-8205

33° 52' 30"

y=45,000 FT. N.C.

78° 33' 40"

y=325,000 FT. S.C.

T-1229A
1:10,000 SC=1/e



Milliken Cove

Spoil

LITTLE RIVER-WINYAH BAY
LIGHT 4 1964

Pond
Dam

Dam

Pond

LITTLE RIVER-WINYAH BAY
DAY BEACON 2 1964

CAPE FEAR-LITTLE RIVER
LIGHT 19 1964

Spoil

Spoil

NONFLOATING AIDS OR LANDMARKS FOR CHARTS

TO BE CHARTED
~~NONRECOMMENDED~~
~~NONRECOMMENDED~~
STRIKE OUT TWO

Norfolk Regional Office May 4 19 65

I recommend that the following objects which have ~~(been)~~ been inspected from seaward to determine their value as landmarks be charted on ~~(the chart)~~ the charts indicated.

The positions given have been checked after listing by Lowell O. Metcalf, Jr.

STATE		North Carolina		South Carolina		SIGNAL NAME	POSITION				METHOD OF LOCATION AND SURVEY No.	DATE OF LOCATION	HARBOR CHART	OFFSHORE CHART	CHARTS AFFECTED	
CHARTING NAME	DESCRIPTION	LATITUDE		LONGITUDE												
		°	'	°	'											
	INTRACOASTAL WATERWAY															
	CAPE FEAR - LITTLE RIVER															
LT. 116		33 05	10	78 03	31	54.43	1677	78 03	15	45.29	N.A. 1927				X	835
LT. 117		33 51		78 34		50.73				11.64	"				X	"
LT. 119		33 52		78 34		15.63				05.61	"				X	"
						05.71				14.5	"				X	1237
	LITTLE RIVER - WINZAH BAY					176				18.79	"			X	X	835
										14.83	"					
Daybeacon 2		33 52		78 34		13.96				21.14	"		2/28/64		X	835
LT. 4		33 52		78 34		1.30				551	"				X	"
Daybeacon 6		33 52		78 34		27.69				37.62	"				X	"
LT. 7		33 52		78 34		853				967	"				X	"
Daybeacon 8		33 52		78 34		29.14				52.06	"				X	"
LT. 9		33 52		78 34		907				1338	"				X	"
Daybeacon 11		33 52		78 35		24.12				20.17	"				X	"
Daybeacon 13		33 52		78 35		743				526	"				X	"
		33 52		78 35		20.70				54.74	"				X	"
		33 52		78 35		638				1107	"				X	"
		33 52		78 36		10.94				30.39	"				X	"
		33 52		78 36		337				781	"				X	"
		33 52		78 36		08.37				36.57	"				X	"
		33 52		78 36		258				940	"				X	"
		33 52		78 36		03.47				46.03	"				X	"
		33 52		78 36		107				1183	"				X	"

This form shall be prepared in accordance with Hydrographic Manual, Publication 20.2, Sec. 1-55, 2-39, 6-36, 7-18 to 22 inclusive, and Fig. 79. Positions of charted landmarks and nonfloating aids to navigation, if redetermined, shall be reported on this form. Revisions shall show both the old and new positions. 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.

* TABULATE SECONDS AND METERS

NONFLOATING AIDS OR LANDMARKS FOR CHARTS

TO BE CHARTED
TO BE REVISED
TO BE REIMPOSED

STRIKE OUT TWO

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

The positions given have been checked after listing by Lowell O. Meterer, Jr.

Norfolk Regional Office

May 4, 1965

J. Bull,

Worfolk Regional Officer Geoffrey

[illegible]

This form shall be prepared in accordance with Hydrographic Manual, Publication 20.2, Sec. 1-55, 2-39, 6-36, 7-18 to 22 inclusive, and Fig. 79. Positions of charted landmarks and *nonfloating aids* to navigation, if redetermined, shall be reported on this form. Revisions shall show both the old and new positions. 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.

