

12295

12295

FORM C&GS-504

U.S. DEPARTMENT OF COMMERCE
 ENVIRONMENTAL SCIENCE SERVICES ADMINISTRATION
 COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT

Type of Survey Shoreline (Photogrammetric)Field No. _____ Office No. T-12295

LOCALITY

State North Carolina-South CarolinaGeneral locality Long BayLocality Little River,~~1964-1965~~ 1462-64

CHIEF OF PARTY

J. K. Wilson, Chief of Field Party
 Allen L. Powell, Director, AMC

LIBRARY & ARCHIVES

DATE _____

DESCRIPTIVE REPORT - DATA RECORD

T -12295

PROJECT NO. (II):

Job PH-6217

FIELD OFFICE (II):

Myrtle Beach, South Carolina

CHIEF OF PARTY

Joseph K. Wilson

PHOTOGRAMMETRIC OFFICE (III):

Atlantic Marine Center

OFFICER-IN-CHARGE

J. C. Bull, Director Atlantic
Marine Center

INSTRUCTIONS DATED (II) (III):

11 September 1963 Field
14 October 1963 Office
10 January 1964 Office Amendment #1
~~12 February 1971~~

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):

BLANE, 1934 ✓

LAT.:

33° 52' 44.862" (1382.2)M ✓

LONG.:

78° 31' 34.182" (878.5)M ✓

☒ ADJUSTED☐ UNADJUSTED

PLANE COORDINATES (IV):

STATE

ZONE

47,341.28 FT. ✓

x = 2,143,879.82 FT. ✓

North Carolina ✓

South ✓

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.

FORM C&GS-181b (12-61)		U.S. DEPARTMENT OF COMMERCE COAST AND GEODETIC SURVEY	
DESCRIPTIVE REPORT - DATA RECORD			
FIELD INSPECTION BY (II): Harvey G. Lucas Erwest W. Hartford Matthew A. Stewart Robert S. Tibbetts		DATE: Nov-Dec 1963 Jan-Feb 1964 Feb-Mar 1964 Feb-Mar 1964	
MEAN HIGH WATER LOCATION (III) (STATE DATE AND METHOD OF LOCATION): Air Photo Compilation Dates of Photography: 24 Aug. 1962 21 Feb. 1963			
PROJECTION AND GRIDS RULED BY (IV): A. E. Roundtree		DATE Jan. 1965	
PROJECTION AND GRIDS CHECKED BY (IV): P. Hawkins		DATE Jan. 1965	
CONTROL PLOTTED BY (III): A. Santillan		DATE March 1965	
CONTROL CHECKED BY (III): H. Cordell		DATE March 1965	
RADIAL PLOT OR STEREOSCOPIC CONTROL EXTENSION BY (III): W. Heinbaugh (W.O.)		DATE Nov. 1964	
STEREOSCOPIC INSTRUMENT COMPILATION (III):		PLANIMETRY B. H. Barnes	DATE March 1965
		CONTOURS Inapplicable	DATE
MANUSCRIPT DELINEATED BY (III): B. H. Barnes		DATE March 1965	
SCRIBING BY (III):		DATE	
PHOTOGRAMMETRIC OFFICE REVIEW BY (III): R. J. Pate		DATE May 1965	
REMARKS: FIELD EDIT - NONE			

FORM C&GS-181c
(12-61)U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT - DATA RECORD

CAMERA (KIND OR SOURCE) (III):

S & W Cameras

PHOTOGRAPHS (III)

NUMBER	DATE	TIME	SCALE	STAGE OF TIDE
62 S 845A	24 Aug. 1962	8:21	1:30,000(diapositives)	0.3
846A	"	8:22	"	0.3
847A	"	8:23	"	0.3
63 W 3033	21 Feb. 1963	9:50	"	1.4
3034	"	9:51	"	1.4
3035	"	9:52	"	1.4

TIDE (III) Predicted

	RATIO OF RANGES	MEAN RANGE	SPRING RANGE
REFERENCE STATION: Charleston, S.C.		5.2	6.1
SUBORDINATE STATION: Little River, 1 mile above mouth		5.0	5.9
SUBORDINATE STATION:			

WASHINGTON OFFICE REVIEW BY (IV): *Leo F. Beugnet, AMC.*

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):

3

RECOVERED:

0

IDENTIFIED:

0

NUMBER OF RECOVERABLE PHOTO STATIONS ESTABLISHED (III):

None

NUMBER OF TEMPORARY PHOTO HYDRO STATIONS ESTABLISHED (III):

None

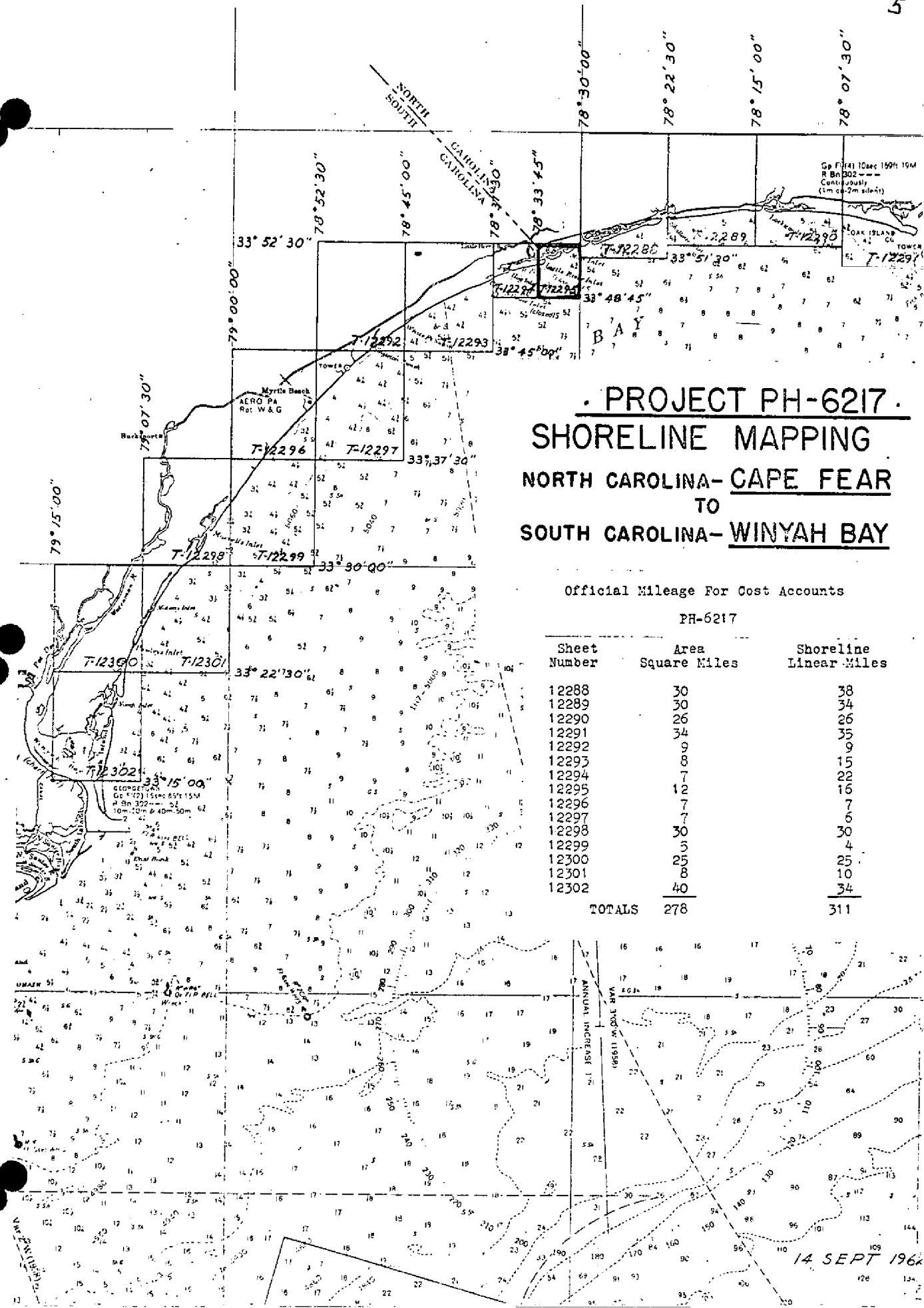
REMARKS:

COMPILATION RECORD

COMPLETION DATE

REMARKS

Alongshore area for hydrography May 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 1964

SUMMARY TO ACCOMPANY
DESCRIPTIVE REPORT T-12295

Shoreline survey T-12295 is one of fifteen similar surveys in project PH-6217. 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 Little River Inlet and includes part of 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-12295(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

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

Approved by:

John D. Perrow, Jr.
JOHN D. PERROW, JR.

DESCRIPTIVE REPORT CONTROL RECORD

MAP T- 12295 PROJECT NO. PH-6217 SCALE OF MAP 1:10,000 SCALE FACTOR

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR Y COORDINATE LONGITUDE OR X COORDINATE	N.A. 1927 - DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS (1 pt. = 3048006 meter) FORWARD (BACK)
BLANE, 1934	GP 1; p215 PCNC p226	N.A. 1927	47,341.28 2,143,848.27	
BIRD, 1962	GPNC p.1		39,532.76 2,139,093.38	
COMPUTED BY BLB copied by BHB	DATE 2-8-65		CHECKED BY BHB	DATE 2-8-65

14 F

COMPILATION REPORT
T-12295

PHOTOGRAMMETRIC PLOT REPORT

Submitted with T-12297

31. DELINEATION

The Kelsh plotter was used. Field inspection was adequate.

32. CONTROL

See Photogrammetric Plot Report.

33. SUPPLEMENTAL DATA

None

34. CONTOURS AND DRAINAGE

Contours are inapplicable.

Drainage was delineated as inspected or from office interpretation.

35. SHORELINE AND ALONGSHORE DETAILS

The shoreline was delineated from the 1963 photography with adequate field inspection. Low water and shoal lines were delineated from office interpretation of the photographs.

36. OFFSHORE DETAILS

None

37. LANDMARKS AND AIDS

Appropriate copies of Form 567, for Aids to Navigation were forwarded to the Washington Office under date May 1, 1965.

There are no landmarks.

38. CONTROL FOR FUTURE SURVEYS

None

39. JUNCTIONS

Junctions are in agreement with T-12294 to the west and T-12288 to the east. There is no contemporary survey to the north. The Atlantic Ocean is to the south.

40. HORIZONTAL AND VERTICAL ACCURACY

No statement

46. COMPARISON WITH EXISTING MAPS

Comparison was made with USGS Quadrangle, Little River, S. C., N. C. scale 1:24,000, copied in 1947 from South Carolina, 1:31,680, AMS, Little River 1943.

The sand shoreline of Sunset Beach is subject to change at the point of Mad Inlet; that is the beach may be longer or shorter on its south western tip depending upon the degree of shoaling present. Bird Island's shoreline subject to frequent change also.

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.

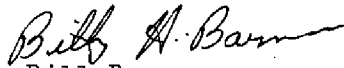
The same differences were noted as under Item 46.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY


None

ITEMS TO BE CARRIED FORWARD

None


Bill Barnes
Cartographic Aid

Approved and forwarded


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-12295

Atlantic Ocean

Bird Island

Blane Creek

Bonaparte Creek

Bull Creek

Calabash Creek

Clayton Creek

Corkins Neck

Dead Backwater

East River

East River Inlet

Fox Creek

Goat Island

Intracoastal Waterway

Little River

Little River Inlet

Long Bay

Mad Inlet


Salt Boiler Creek

Sunset Beach

The Big Narrows

Waiter Island

Approved by:


A. Joseph Wraight
Chief Geographer

Prepared by:


Frank W. Pickett
Cartographic Technician

49. NOTES FOR THE HYDROGRAPHER

None.

PHOTOGRAMMETRIC OFFICE REVIEW

T-10363 T-12295

1. PROJECTION AND GRIDS RJP	2. TITLE RJP	3. MANUSCRIPT NUMBERS RJP	4. MANUSCRIPT SIZE RJP
CONTROL STATIONS			
5. HORIZONTAL CONTROL STATIONS OF THIRD-ORDER OR HIGHER ACCURACY RJP	6. RECOVERABLE HORIZONTAL STATIONS OF LESS THAN THIRD-ORDER ACCURACY (Topographic stations) XX		7. PHOTO HYDRO STATIONS XX
8. BENCH MARKS XX	9. PLOTTING OF SEXTANT FIXES RJP	10. PHOTOGRAMMETRIC PLOT REPORT WO BRIDGE	11. DETAIL POINTS Kelsh
ALONGSHORE AREAS (Nautical Chart Data)			
12. SHORELINE RJP	13. LOW-WATER LINE RJP	14. ROCKS, SHOALS, ETC. RJP	15. BRIDGES XX
16. AIDS TO NAVIGATION RJP	17. LANDMARKS XX	18. OTHER ALONGSHORE PHYSICAL FEATURES RJP	19. OTHER ALONGSHORE CULTURAL FEATURES RJP
PHYSICAL FEATURES			
20. WATER FEATURES RJP		21. NATURAL GROUND COVER RJP	22. PLANETABLE CONTOURS XX
23. STEREOSCOPIC INSTRUMENT CONTOURS XX	24. CONTOURS IN GENERAL XX	25. SPOT ELEVATIONS XX	26. OTHER PHYSICAL FEATURES RJP
CULTURAL FEATURES			
27. ROADS RJP	28. BUILDINGS XX	29. RAILROADS XX	30. OTHER CULTURAL FEATURES RJP
BOUNDARIES			
31. BOUNDARY LINES XX		32. PUBLIC LAND LINES XX	
MISCELLANEOUS			
33. GEOGRAPHIC NAMES RJP		34. JUNCTIONS RJP	35. LEGIBILITY OF THE MANUSCRIPT RJP
36. DISCREPANCY OVERLAY XX	37. DESCRIPTIVE REPORT RJP	38. FIELD INSPECTION PHOTOGRAPHS RJP	39. FORMS RJP
40. REVIEWER R.J. Pate <i>R.J. Pate</i>		SUPERVISOR, REVIEW SECTION OR UNIT	
41. REMARKS (See attached sheet)			
FIELD COMPLETION ADDITIONS AND CORRECTIONS TO THE MANUSCRIPT			
42. Additions and corrections furnished by the field completion survey have been applied to the manuscript. The manuscript is now complete except as noted under item 43.			
COMPILER		SUPERVISOR	
43. REMARKS			

REVIEW REPORT T-12295

SHORELINE

May 24, 1971

61. GENERAL STATEMENT

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

62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS

Comparison was made with copies of 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 on the comparison print, that exist between these surveys and T-12295 will also exist between the LITTLE RIVER and CALABASH, N.C.-S.C. USGS quadrangles and T-12295.

The shoreline in this area has undergone major changes since the date of the older surveys, particularly in the vicinity of Little River Inlet and Mad Inlet. 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-12295 for nautical chart construction purposes.

63. COMPARISON WITH MAPS OF OTHER AGENCIES

Comparison was made with USGS LITTLE RIVER and CALABASH, N.C.-S.C. 1:24,000 scale quadrangles. See item 62 above.

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 noted on the comparison print in red.

Special attention is called to the bridge over Salt Boiler Creek and new canals near latitude 33°52'15" longitude 78°30'00" as shown on the chart. These were evidently constructed subsequent to the photography of February 1963.

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:

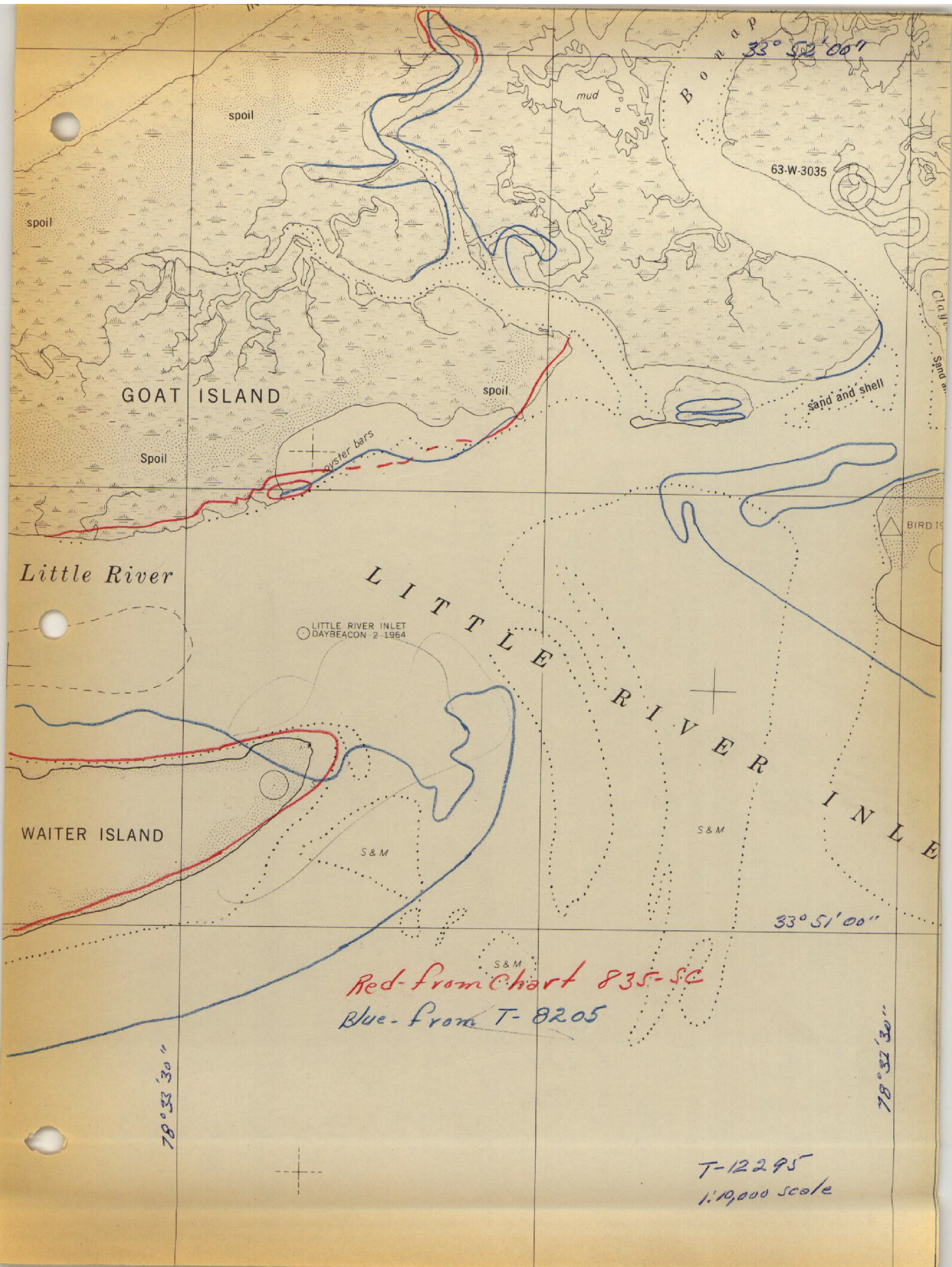
Melvin J. Umbach
Melvin J. Umbach, CDR, NOAA
Chief, Photogrammetry Division, AMC

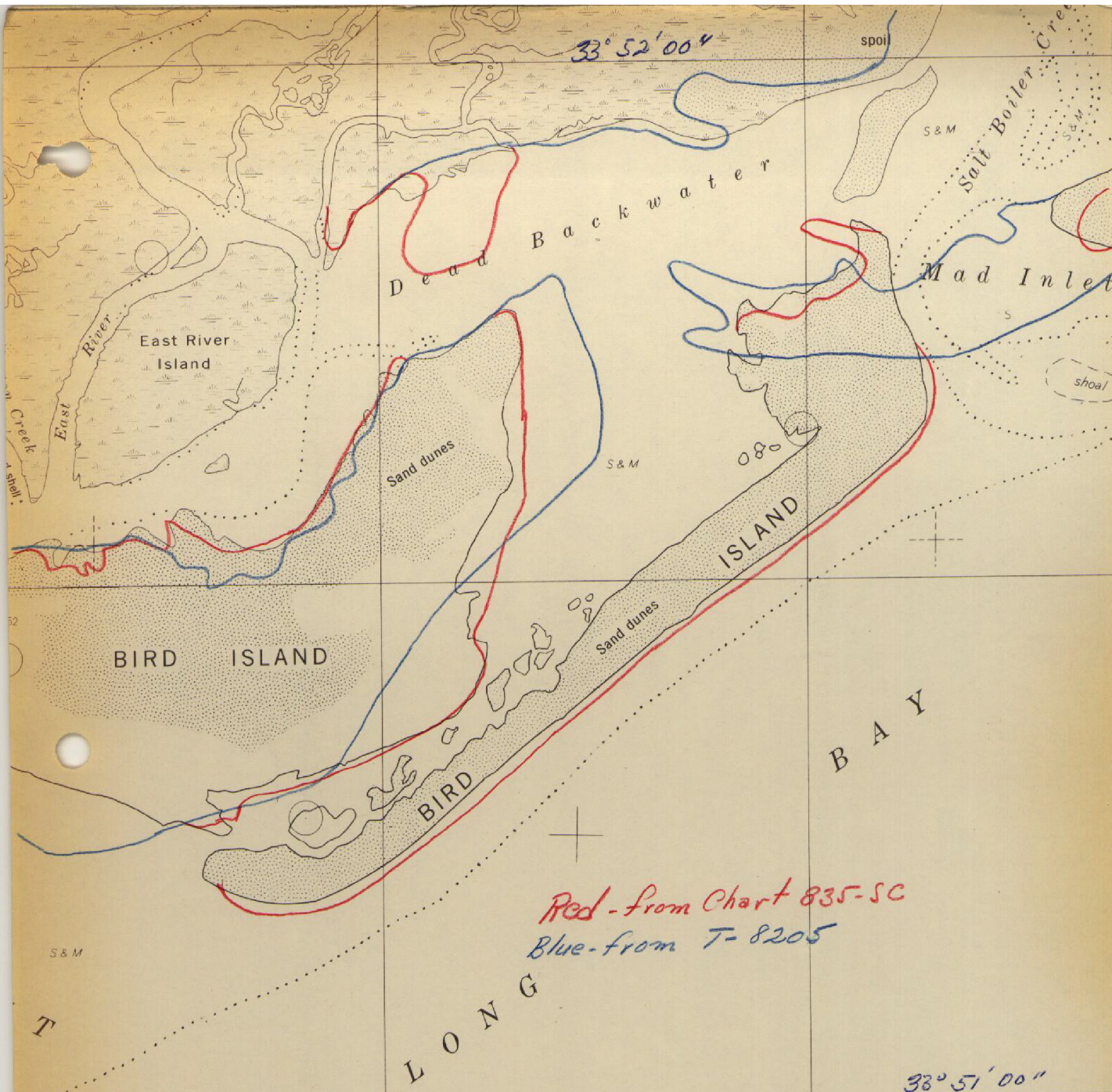
Approved:

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

Approved:

Charles J. ... Chief, Photogrammetric Branch, *Jack E. Guth* Chief, Photogrammetry Division



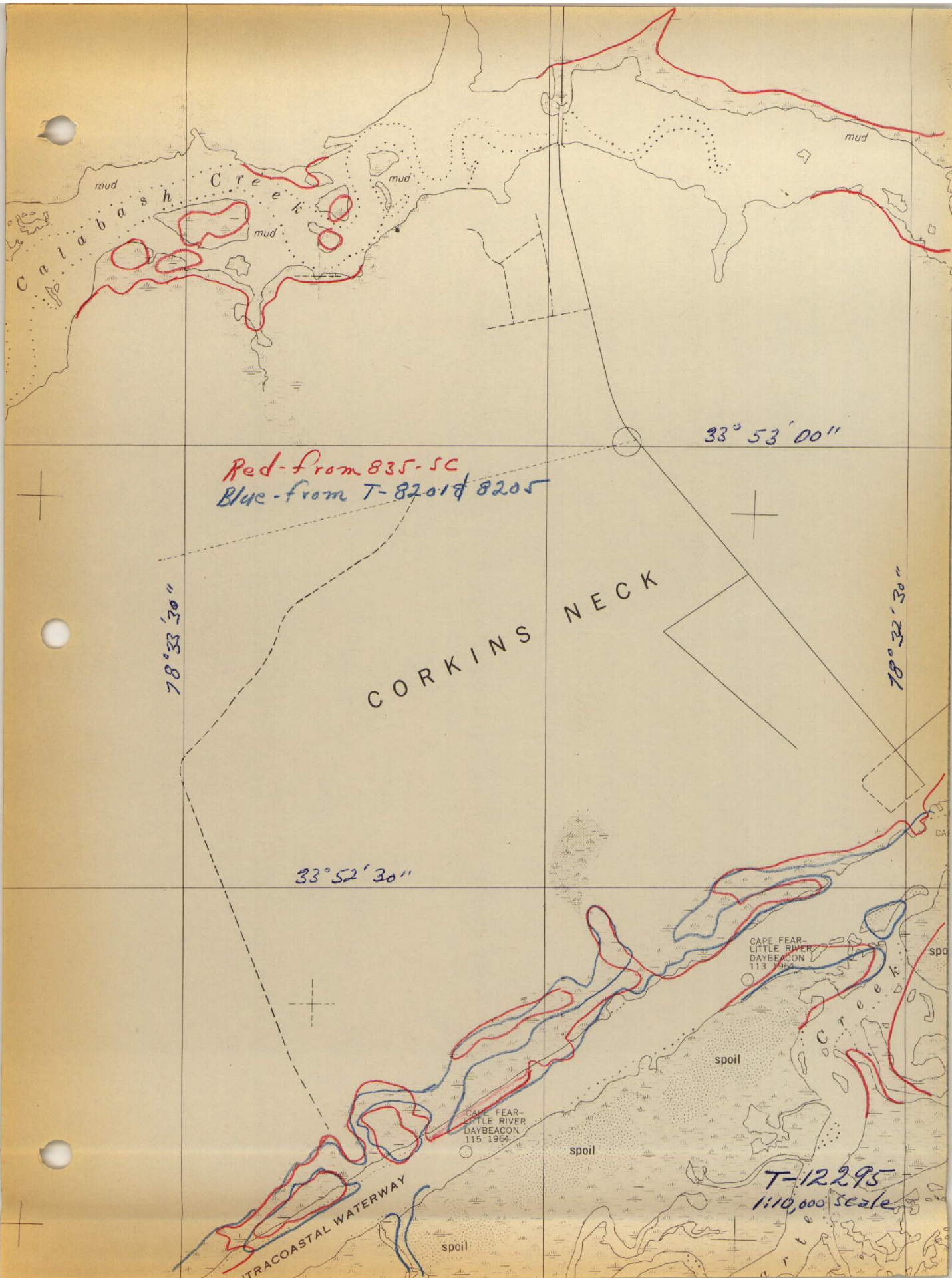


Red - from Chart 835-SC
Blue - from T-8205

78° 32' 00"

78° 31' 30"

T-12295
1:19,000 scale



Red-From 835-5C
Blue-From T-8201 & 8205

33° 53' 00"

78° 33' 30"

CORKINS NECK

78° 32' 30"

33° 52' 30"

CAPE FEAR-
LITTLE RIVER
DAYBEACON
113 1964

CAPE FEAR-
LITTLE RIVER
DAYBEACON
115 1964

INTRACOASTAL WATERWAY

T-12295
1:10,000 scale

62 S-847A

Calabash Creek

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

Pond

33° 53' 00"

Pond

Pond

BLANE, 1934

CAPE FEAR-LITTLE RIVER
LIGHT 108, 1964

CAPE FEAR-LITTLE RIVER
DAYBEACON 109, 1964

Boat Ramp

CAPE FEAR-LITTLE RIVER
LIGHT 111, 1964

Spoil

Spoil area

Spoil

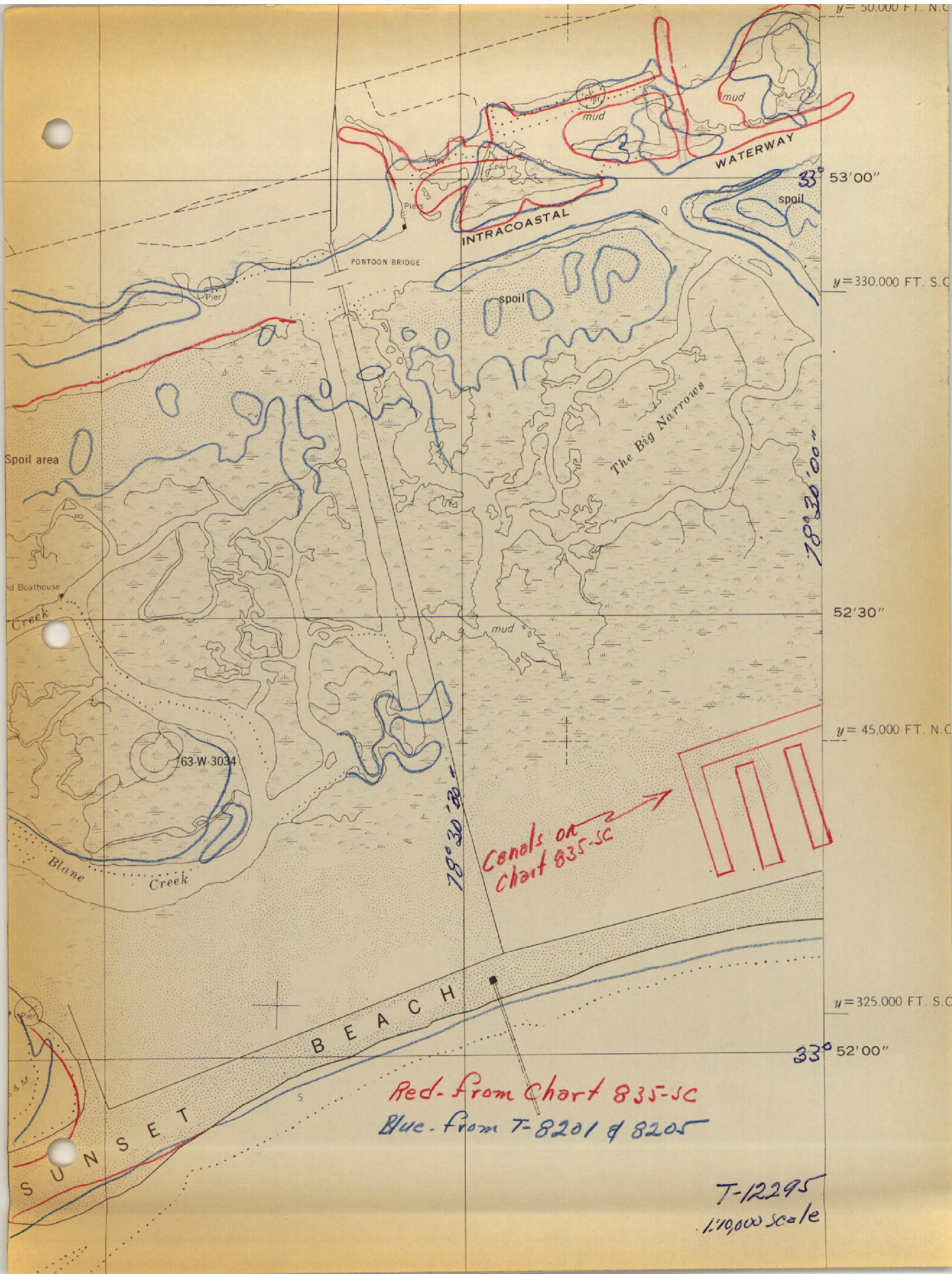
33° 52' 30"

Bull Cr

S & M

Bridge built subsequent
to photography

T-12295
1:10,000 scale



TO BE CHARTED
~~TO BE CHARTED~~
~~TO BE CHARTED~~

STRIKE OUT TWO

NONFLOATING AIDS OR LANDMARKS FOR CHARTS

Norfolk Regional Office

May 4, 19 65

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

The positions given have been checked after listing by

Billy H. Barnes

J. Bull,

Norfolk Regional Officer ~~XXXXXXXXXX~~

STATE		North Carolina		South Carolina		CHARTING NAME		DESCRIPTION		SIGNAL NAME		POSITION				METHOD OF LOCATION AND SURVEY No.		DATE OF LOCATION		HARBOR CHART		OFFSHORE CHART		CHARTS AFFECTED	
												LATITUDE*		LONGITUDE*		DATUM									
												° ' "		° ' "											
												D.M. METERS		D.P. METERS											

This form shall be prepared in accordance with Hydrographic Manual, Publication 20.2, Sec. 1-35, 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

