

12288

12288

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-12288

LOCALITY

State North CarolinaGeneral locality Long BayLocality Ocean Isle Beach1963-1965 1962-64

CHIEF OF PARTY

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

LIBRARY & ARCHIVES

DATE

DESCRIPTIVE REPORT - DATA RECORD

T -12288

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, Norfolk, Virginia

OFFICER-IN-CHARGE

J. Bull, Director

INSTRUCTIONS DATED (II) (III):

Field: September 11, 1963
Office: October 14, 1963
Office Amendment: January 10, 1964

METHOD OF COMPILATION (III):

Kelsh plotter

MANUSCRIPT SCALE (III):

1:20,000

STEREOSCOPIC PLOTTING INSTRUMENT SCALE (III):

1:6,000 pantographed to 1:20,000

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 (II):

MEAN ~~LOW WATER~~ ^{high water} EXCEPT AS FOLLOWS:

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):

PIGOTT, 1932

LAT.:

33°54'01."378(42.5m)

LONG.:

78°26'43."636(1121.1m)

☒ ADJUSTED☐ UNADJUSTED

PLANE COORDINATES (IV):

y = 55,203.75 ft.

x = 2,168,306.02 ft.

STATE

North Carolina

ZONE

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 (III): Robert S. Tibbetts Ernest W. Hartford Matthew A. Stewart Harver G. Lucas		DATE: Feb-Apr 1964 Jan-Feb 1964 Feb-Apr 1964 Nov-Dec 1963
MEAN HIGH WATER LOCATION (III) (STATE DATE AND METHOD OF LOCATION): Air photo compilation from field inspection November 1963 thru April 1964 and photography 21 February 1963		
PROJECTION AND GRIDS RULED BY (IV): C. R. Johnson		DATE November 1963
PROJECTION AND GRIDS CHECKED BY (IV): R. S. Kornspan		DATE November 1963
CONTROL PLOTTED BY (III): H. Cordell (sub. points and stereo-bridge points) B. Wilson (triangulation)		DATE March 1965 October 1966
CONTROL CHECKED BY (III): A. Santillan R. J. Pate		DATE March 1965 October 1966
RADIAL PLOT OR STEREOSCOPIC CONTROL EXTENSION BY (III): W. Heinbaugh (W.O.)		DATE November 1964
STEREOSCOPIC INSTRUMENT COMPILATION (III):	PLANIMETRY B.H. Barnes (checked by L. O. Neterer) K.G. Boyle (checked by R. J. Pate)	DATE March 1965 April 1965
	CONTOURS Inapplicable	DATE
MANUSCRIPT DELINEATED BY (III): K. G. Boyle		DATE April 1965
SCRIBING BY (III):		DATE
PHOTOGRAMMETRIC OFFICE REVIEW BY (III): B. Wilson		DATE November 1966
REMARKS: Field Edit - None		

DESCRIPTIVE REPORT - DATA RECORD

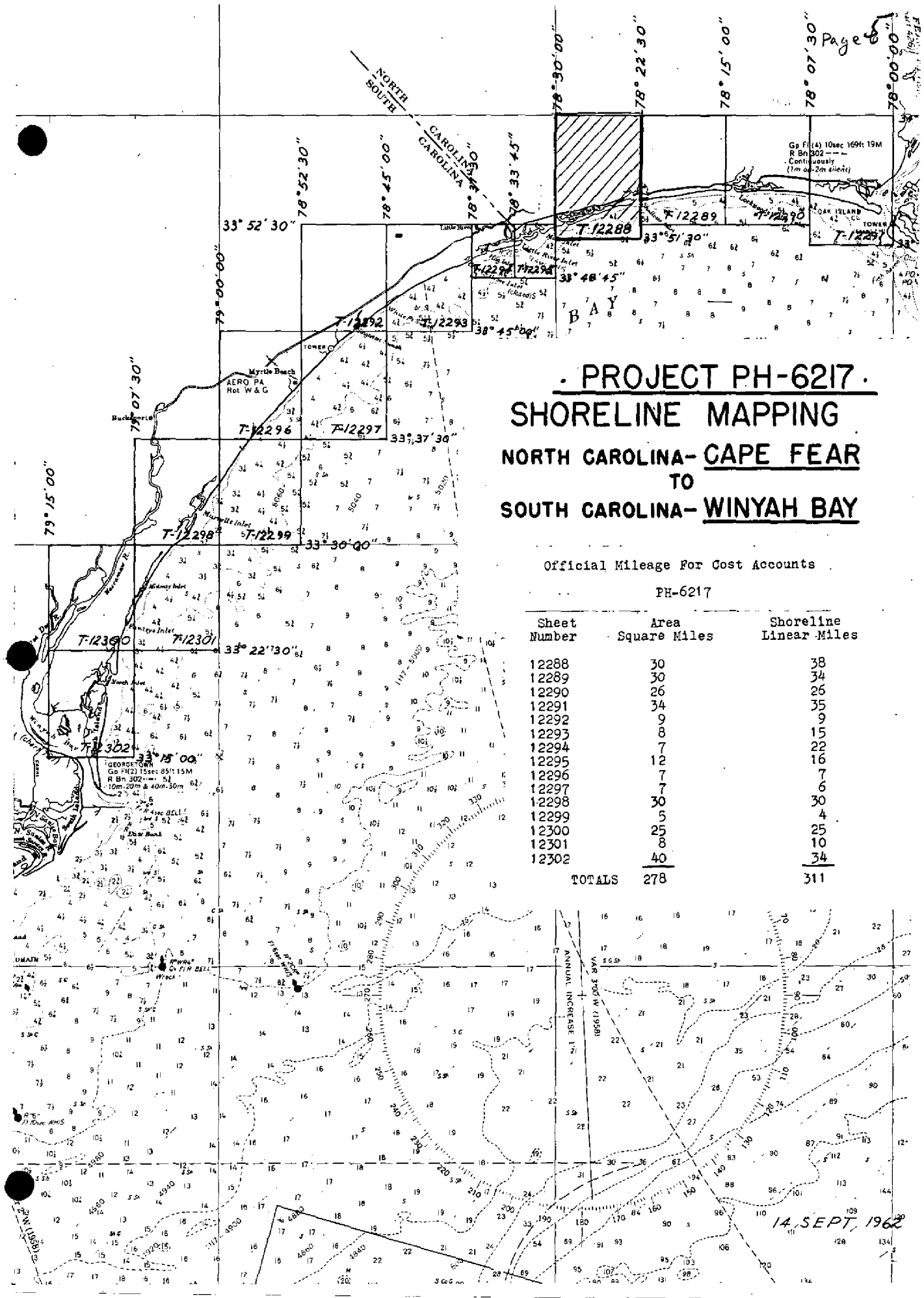
CAMERA (KIND OR SOURCE) (III):
S and W cameras

PHOTOGRAPHS (III)				
NUMBER	DATE	TIME	SCALE	STAGE OF TIDE
62-S-832A thru 836A	24 Aug. 1962	0802	1:30,000	0.6 ft. above MLW*
62-S-841A thru 847A	24 Aug. 1962	0822	1:30,000	0.5 ft. above MLW*
62-S-914A thru 916A	29 Aug. 1962	0837	1:30,000	4.3 ft. above MLW*
63-W-3030 thru 3034	21 Feb. 1963	0950	1:30,000	1.5 ft. above MLW* 0.9 ft. " " **
*Computing from Shallotte Inlet ** " " Tubbs Inlet (This flight only used for shoreline)				

TIDE (III) Predicted		Ht. Diff.		
		MEAN OF RANGES	MEAN RANGE	SPRING RANGE
REFERENCE STATION:	Charleston, S. C.		5.1	6.0
SUBORDINATE STATION:	Shallotte Inlet, (Bowen Pt.) N.C.	Hi. -0.5 Lo. -0.0	4.6	5.4
SUBORDINATE STATION:	Tubbs Inlet	Hi. -0.6 Lo. -0.0	4.5	5.1
WASHINGTON OFFICE REVIEW BY (IV): <i>Leo F. Beugnot, AMC</i>		DATE: <i>May 1971</i>		
PROOF EDIT BY (IV):		DATE:		
NUMBER OF TRIANGULATION STATIONS SEARCHED FOR (II):	18	RECOVERED: 4	IDENTIFIED: 2	
NUMBER OF BM(S) SEARCHED FOR (II):	0	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 hydro	April 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-12288

Shoreline survey T-12288 is one of fifteen similar surveys in Job PH-6217. Thirteen surveys were at 1:20,000 scale and the remaining two at 1:10,000 scale. This survey covers that area from Shallotte Inlet westward to Tubbs Inlet and includes part of 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 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-12288(2) of Job PH-7019 which will be compiled from photography of 1970.

Compilation of this survey was at 1:20,000 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

Approved by:

John D. Perrow Jr.
John D. Perrow, Jr.

SCALE FACTOR

13

DATE October 20, 1966

14

COMPILATION REPORT
T-12288

The aerotriangulation 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 & DRAINAGE

Contours are inapplicable. Drainage was delineated as inspected or from office interpretation of the photographs.

35. SHORELINE AND ALONGSHORE DETAILS

Breaker, shallow and low water lines were delineated from office interpretation.

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

There are no landmarks.

15

38. CONTROL FOR FUTURE SURVEYS

None.

39. JUNCTIONS

Junctions are in agreement with T-12295 (1:10,000) to the west, and T-12289 to the east. The Atlantic Ocean is to the south. There is no contemporary survey to the north.

40. HORIZONTAL AND VERTICAL ACCURACY

No statement.

46. COMPARISON WITH EXISTING MAPS

A comparison has been made with USGS Quadrangle, SHALLOTTE, N. C. scale 1:24,000 dated 1943. The shoreline of the Intracoastal Waterway and Eastern Channel have undergone considerable changes.

No building now exists at the site of NEW HOPE CHURCH as on the quadrangle.

47. COMPARISON WITH NAUTICAL CHARTS

A comparison has been made with USC&GS Chart 835-SC scale 1:40,000 Third Edition March 1966. The same shoreline differences were noted as listed under Item 46.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None.

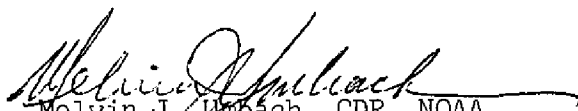
ITEMS TO BE CARRIED FORWARD

None.

K. G. Boyle

Karl G. Boyle
Cartographic Technician

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-12288

Apricot Creek
Atlantic Ocean
Brantley Island
Brick Landing
Calvin Point
Clam Creek
Cooter Creek
Copas Branch
Eastern Channel
Gause Landing
Gause Landing Creek
Gold Mine Creek
Goose Creek
Horse Ford Creek
Intracoastal Waterway
Jinks Creek
Jinnys Branch (community)
Jinnys Branch (stream)
Kilbark Slough

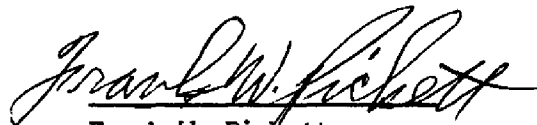
Little Saucepan Creek
Long Bay
Middle Dam Creek
Monks Island
Needham Hole Creek
Ocean Isle Beach
Old Mill Creek
Saucepan Creek
Seaside
Shallotte Inlet
Shallotte River
Shallotte Sound
Sols Creek
Sols Island
Spring Branch
Still Creek
The Swash
Tubbs Inlet
Big Gut Slough

Approved by:



A. Joseph Wright
Chief Geographer

Prepared by:



Frank W. Pickett
Cartographic Technician

49. NOTES FOR THE HYDROGRAPHER

The position of LIGHT 101, from office interpretaion of the photos, is about 220 feet to the west of that indicated by the field inspektor (where there is nothing visible on the photos). Please verify. If the position shown is in error, then also verify the following, the location of which involved LIGHT 101:

DAYBEACON 99
DAYBEACON 103
DAYBEACON 105

Shallow areas and sand bars are from office interpretation of the photographs and are shown to aid the hydrographer in locating hazardous areas. If they are found not to exist, this fact should be noted on the Field Edit Ozalid.

PHOTOGRAMMETRIC OFFICE REVIEW

T-10363 12288

1. PROJECTION AND GRIDS BW	2. TITLE BW	3. MANUSCRIPT NUMBERS BW	4. MANUSCRIPT SIZE BW
CONTROL STATIONS			
5. HORIZONTAL CONTROL STATIONS OF THIRD-ORDER OR HIGHER ACCURACY BW	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 BW	10. PHOTOGRAMMETRIC PLOT REPORT XX	11. DETAIL POINTS BW
ALONGSHORE AREAS (Nautical Chart Data)			
12. SHORELINE BW	13. LOW-WATER LINE BW	14. ROCKS, SHOALS, ETC. BW	15. BRIDGES BW
16. AIDS TO NAVIGATION BW	17. LANDMARKS BW	18. OTHER ALONGSHORE PHYSICAL FEATURES BW	19. OTHER ALONGSHORE CULTURAL FEATURES BW
PHYSICAL FEATURES			
20. WATER FEATURES BW	21. NATURAL GROUND COVER BW		22. PLANETABLE CONTOURS XX
23. STEREOSCOPIC INSTRUMENT CONTOURS XX	24. CONTOURS IN GENERAL XX	25. SPOT ELEVATIONS XX	26. OTHER PHYSICAL FEATURES BW
CULTURAL FEATURES			
27. ROADS BW	28. BUILDINGS BW	29. RAILROADS XX	30. OTHER CULTURAL FEATURES BW
BOUNDARIES			
31. BOUNDARY LINES XX		32. PUBLIC LAND LINES XX	
MISCELLANEOUS			
33. GEOGRAPHIC NAMES BW	34. JUNCTIONS BW		35. LEGIBILITY OF THE MANUSCRIPT BW
36. DISCREPANCY OVERLAY XX	37. DESCRIPTIVE REPORT BW	38. FIELD INSPECTION PHOTOGRAPHS BW	39. FORMS BW
40. REVIEWER Bernice Wilson		SUPERVISOR, REVIEW SECTION OR UNIT Albert C. Rauck	
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-12288

SHORELINE

MAY 26, 1971

61. GENERAL STATEMENT

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

62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS

Comparison was made with a copy of survey T-8200. This is a 1:20,000 scale survey made in 1944², is a 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 this survey and T-12288 will also exist between the USGS SHALLOTTE, N.C. quadrangle and T-12288.

The shoreline in this area has changed since the date of the older survey. The major changes in the vicinity of the inlets have been indicated on the comparison print in blue. Dredging of the Intracoastal Waterway and the resulting spoil deposits on its south side has also changed that area. No attempt to show all of these changes on the comparison print was made.

Registered survey T-8200 is obsolete. It is superseded by T-12288 for nautical chart construction purposes.

63. COMPARISON WITH MAPS OF OTHER AGENCIES

Comparison was made with USGS SHALLOTTE, N.C. 1:24,000 scale quadrangle. 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. The differences in the shoreline between the two surveys have been indicated on the comparison print in red.

There is a discrepancy in the position of the following fixed aids to navigation between the chart and this survey. It is possible that some of these aids were moved subsequent to the time of field work.

Cape Fear - Little River Light 78
Cape Fear - Little River Daybeacon 80
Cape Fear - Little River Light 84
Cape Fear - Little River Daybeacon 87
Cape Fear - Little River Light 98
Cape Fear - Little River Light 101

Cape Fear - Little River Light 82, as shown on this survey, has been removed and replaced by Cape Fear - Little River Light 81 as shown on the chart. This is in accordance with the Light List, Volume I.

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:

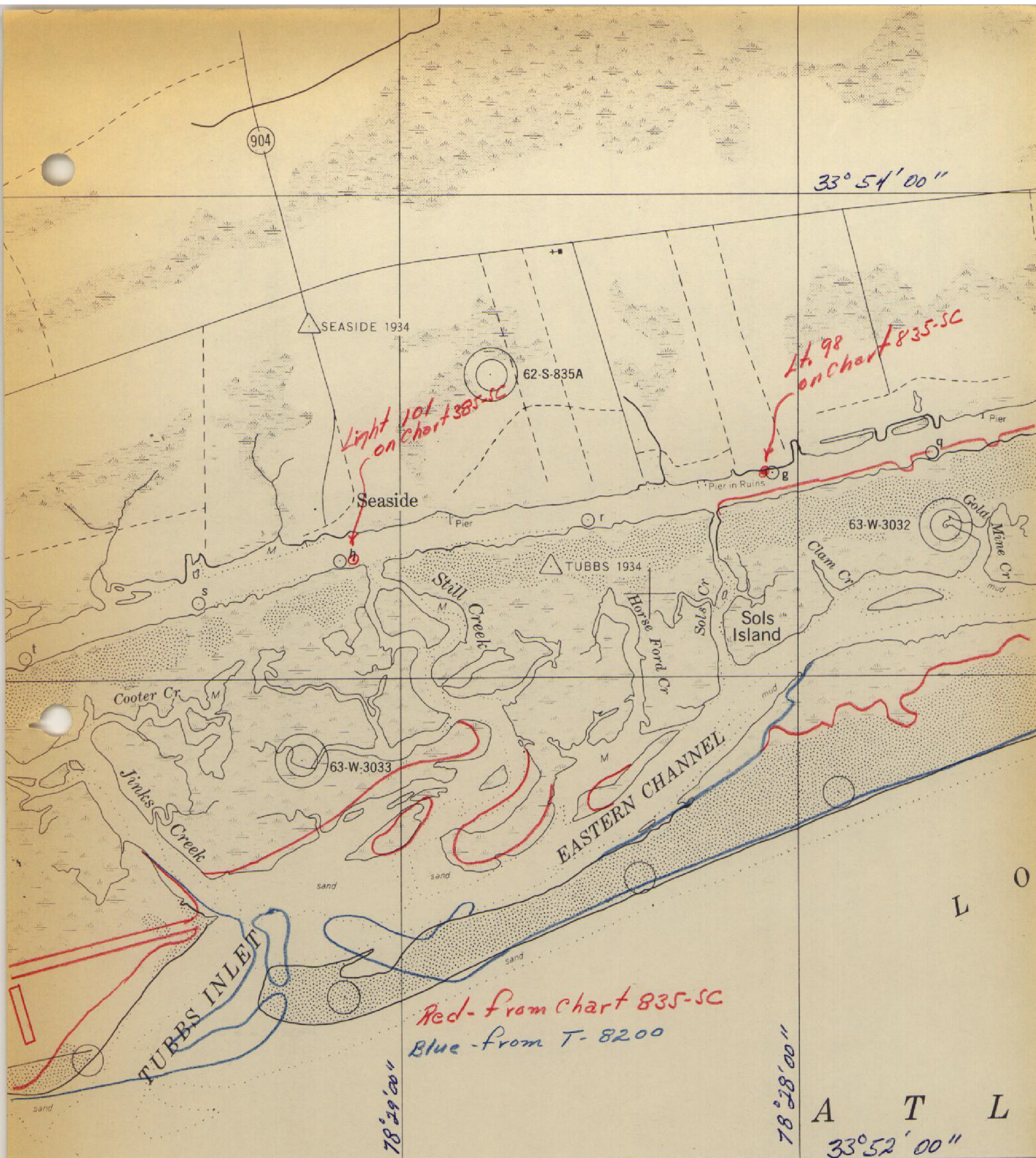
Melvin J. Umbach
Melvin J. Umbach, CDR, NOAA
Chief, Photogrammetry Division, AMC

Approved:

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

Approved:

Charles L. Lamm *Jack E. Lutz*
Chief, Photogrammetric Branch, 143 Chief, Photogrammetry Division



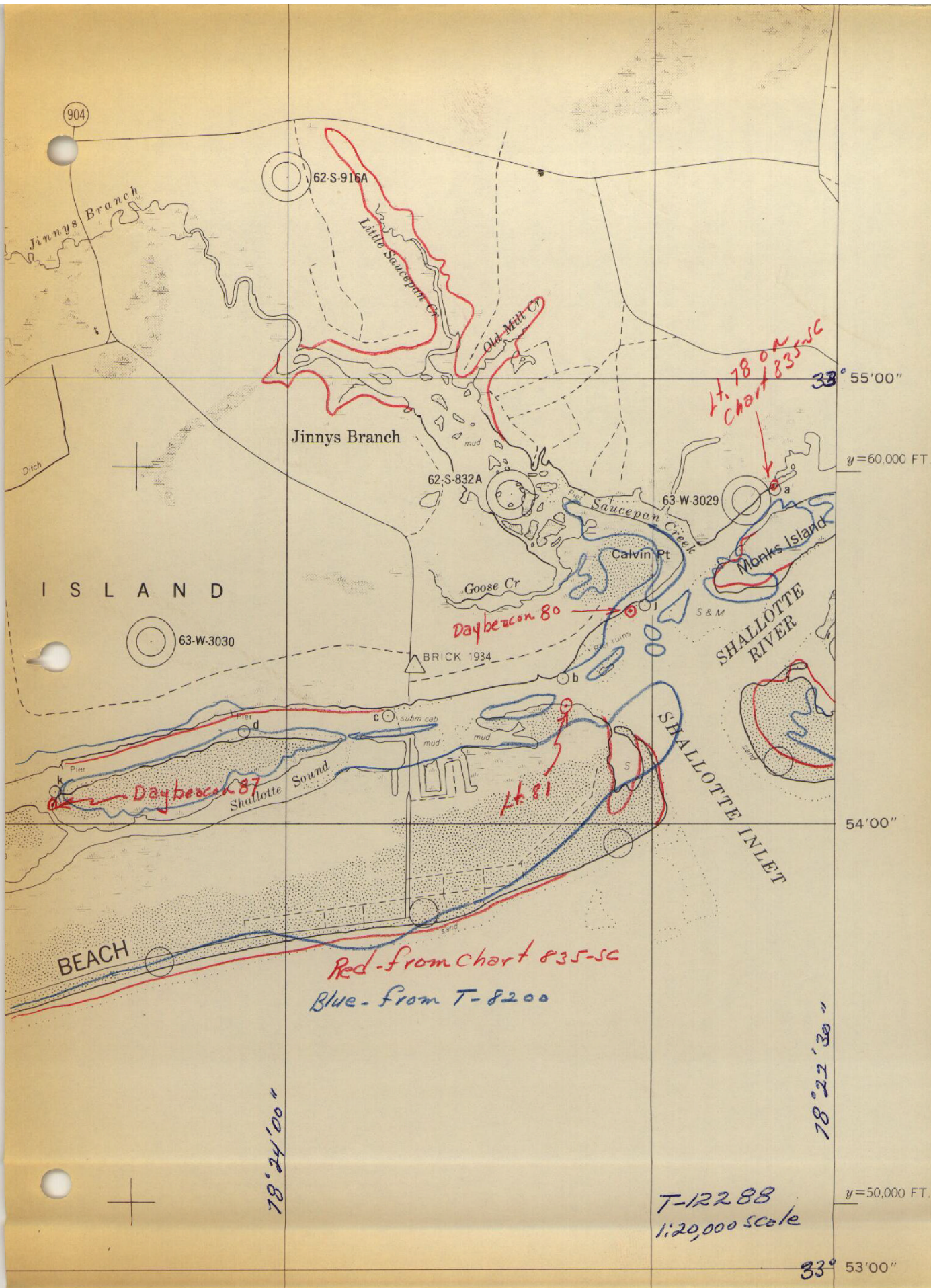
A T L
33° 52' 00"

T-12288
1:20,000 scale



"The photogra
offshore fro
may not b
reviewed hydr
should b"

T-12288
1:20,000 scale



DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

Page 1 of 2

NONFLOATING AIDS OR CHARTED LANDMARKS FOR CHARTS

TO BE CHARTED
~~TO BE EXCLUDED~~

STRIKE OUT ONE

Atlantic Marine Center

October, 1966

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

The positions given have been checked after listing by

B. Wilson

J. Bull, Director

Chief of Bureau

STATE NORTH CAROLINA				POSITION						METHOD OF LOCATION AND SURVEY No.	DATE OF LOCATION	HARBOR CHART	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTED	
CHARTING NAME	DESCRIPTION	SIGNAL NAME	LATITUDE		LONGITUDE		DATUM									
			° ' "	D. M. METERS	° ' "	D. P. METERS										
	INTRACOASTAL WATERWAY															INTRACOASTAL WATERWAY
LIGHT 78	CAPE FEAR - LITTLE RIVER		33 54	45 15 13 91	78 22	40.06 1029	NA 1927	Photo T-12288	2-27-64							X 835-SC
DAYBN 80			33 54	29.54 910	78 23	01.25 32	" "	" "	" "							X "
LIGHT 82			33 54	19.54 602	78 23	14.64 376	" "	" "	" "							X "
LIGHT 84			33 54	14.54 1418	78 23	43.32 1113	" "	" "	" "							X "
LIGHT 85			33 54	12.43 383	78 24	07.01 180	" "	" "	" "							X "
DAYBN 87			33 54	04.38 135	78 24	37.91 974	" "	" "	" "							X "
DAYBN 89			33 53	57.87 1783	78 25	05.49 141	" "	" "	" "							X "
LIGHT 90			33 53	52.16 1607	78 25	37.17 955	" "	" "	" "							X "
DAYBN 91			33 53	47.42 1461	78 25	52.89 1359	" "	" "	" "							X "
LIGHT 93			33 53	40.28 1241	78 26	39.54 1016	" "	" "	" "							X "
DAYBN 95			33 53	32.72 1008	78 27	16.62 427	" "	" "	" "							X "
DAYBN 97			33 53	27.65 852	78 27	39.73 1021	" "	" "	" "							X "

This form shall be prepared in accordance with Hydrographic Manual, pages 800 to 804. Positions of charted landmarks and *nonfloating* aids to navigation, if redetermined, shall be reported on this form. 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.

RECORD OF APPLICATION TO CHARTS

FILE WITH DESCRIPTIVE REPORT OF SURVEY NO.

T-12288

INSTRUCTIONS

A basic hydrographic or topographic survey supersedes all information of like nature on the uncorrected chart.

1. Letter all information.
2. In "Remarks" column cross out words that do not apply.
3. Give reasons for deviations, if any, from recommendations made under "Comparison with Charts" in the Review.

[illegible]