

12289

ORIGINAL

12289

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-12289
LOCALITY	
State	North Carolina
General locality	Long Bay
Locality	Holden Beach
1964-1965 1962-64	
CHIEF OF PARTY J. K. Wilson, Chief of Field Party Allen L. Powell, Director, Atlantic Mar. Ctr.	
LIBRARY & ARCHIVES	
DATE	

DESCRIPTIVE REPORT - DATA RECORD

T - 12289

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

Allen L. Powell

Director, Atlantic Marine Center

INSTRUCTIONS DATED (II) (III):

Field: 11 Sept. 1963
Office: 14 Oct. 1963
Office: 12 Oct. 1964, Amendment I

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 (III):

MEAN SEA-LEVEL 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):

BOON, 1932

LAT.:

33°55'16.302"

LONG.:

78°20'26.197"

☒ ADJUSTED☐ UNADJUSTED

PLANE COORDINATES (IV):

y = 62,972.83 ft.

x = 2,200,075.74 ft.

STATE

North Carolina

ZONE

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
(3-66)U.S. DEPARTMENT OF COMMERCE
ENVIRONMENTAL SCIENCE SERVICES ADMINISTRATION
COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT - DATA RECORD

FIELD INSPECTION BY (III): Erwest W. Hartford & Jim D. Shea Robert S. Tibbetts		DATE: Mar.-Apr. 1964 Feb.-Mar. 1964
MEAN HIGH WATER LOCATION (III) (STATE DATE AND METHOD OF LOCATION): Mean High Water line located from photography of August 24, 1962; August 29, 1962 and February 21, 1963 in accordance with field inspection notes.		
PROJECTION AND GRIDS RULED BY (IV): C. R. Johnson		DATE 11-27-1963
PROJECTION AND GRIDS CHECKED BY (IV): R. S. Kornspan		DATE 11-29-1963
CONTROL PLOTTED BY (III): H. Cordell		DATE March 1965
CONTROL CHECKED BY (III): A. Santillan		DATE March, 1965
RADIAL PLOT OR STEREOSCOPIC CONTROL EXTENSION BY (III): W. Heinbaugh		DATE November 1964
STEREOSCOPIC INSTRUMENT COMPILATION (III):	PLANIMETRY B. Barnes	DATE May 1965
	CONTOURS	DATE
MANUSCRIPT DELINEATED BY (III): B. Barnes		DATE May 1965
SCRIBING BY (III):		DATE
PHOTOGRAMMETRIC OFFICE REVIEW BY (III): B. Wilson		DATE Dec. 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
62S911A-62S915A	29 Aug 1962	0836	1:30,000	4.3 ft. above MLW
62S828A-62S831A	24 Aug 1962	0800	1:30,000	0.8 ft. above MLW
62S841A	24 Aug. 1962	0820	1:30,000	0.7 ft. above MLW
63W3029	21 Feb 1963	0948	1:30,000	1.5 ft. above MLW

TIDE (III)

	RATIO OF RANGES	MEAN RANGE	SPRING RANGE
REFERENCE STATION: Charleston, S. C.		5.2	6.1
SUBORDINATE STATION: Shallotte Inlet (Bowen Pt.) N.C.		4.6	5.4
SUBORDINATE STATION:			

WASHINGTON OFFICE REVIEW BY (IV): Leo F. Beugnet, Atlantic Mar. Ctr.

DATE:
June 1971

PROOF EDIT BY (IV):

DATE:

NUMBER OF TRIANGULATION STATIONS SEARCHED FOR (II):

17

RECOVERED:

5

IDENTIFIED:

1

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

3

RECOVERED:

2

IDENTIFIED

1

NUMBER OF RECOVERABLE PHOTO STATIONS ESTABLISHED (III):

0

NUMBER OF TEMPORARY PHOTO HYDRO STATIONS ESTABLISHED (III):

0

REMARKS:

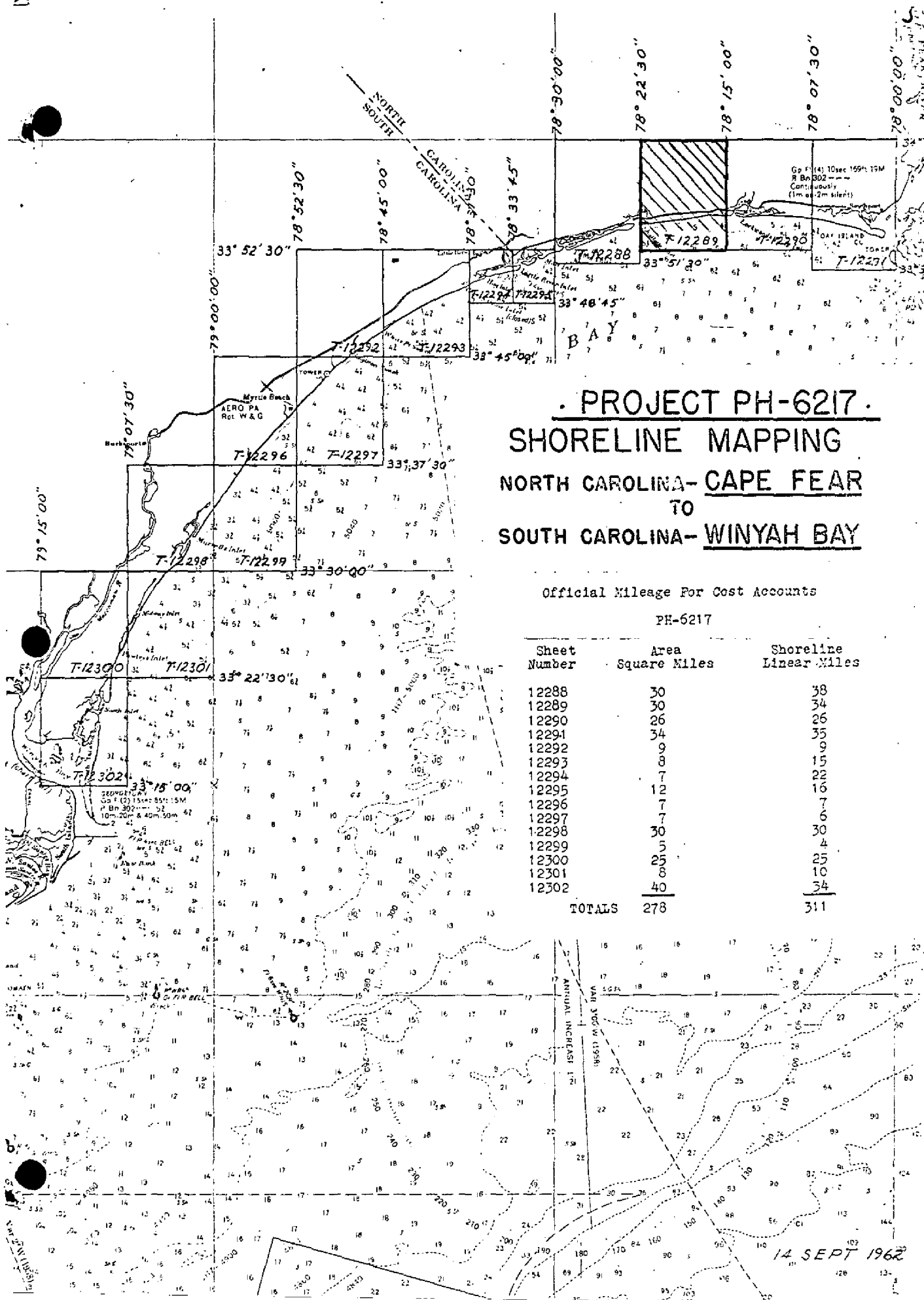
4

COMPILATION RECORD

COMPLETION DATE

REMARKS

Compilation complete pending field edit		
Alongshore area for hydro	May 1965	
Final Review	June 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

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SUMMARY TO ACCOMPANY
DESCRIPTIVE REPORT T-12289

Shoreline survey T-12289 is one of fifteen similar surveys in project PH-6217. The project contains thirteen maps at 1:20,000 scale and two at 1:10,000 scale. This survey covers that area in the vicinity of Holden Beach and includes part of the Intracoastal Waterway and Shallotte River. See page 5 of the descriptive report for the area 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-12289(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 June 1971. One cronaflex positive and a negative of the final reviewed survey are forwarded for record and registry.

FIELD INSPECTION REPORT
 Project 21059 (24-6217)
 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
CORNCRAKE, 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

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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 Cornsake 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 Cornsake 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. Weinbaugh
W. Weinbaugh

Approved by:

J. D. Pearson Jr.
JOHN D. PEARSON, JR.

DESCRIPTIVE REPORT CONTROL RECORD

MAP T- 12289 PROJECT NO. PH-6217 SCALE OF MAP 1:20,000 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 Ft. = 3048006 Meter) FORWARD (BACK)
BOONE, 1962	UNADJ. Page 1	NA 1927	33 54 21.22	
GRIF 1962	"	"	78 21 24.46	
			33 54 39.75	
			78 18 10.32	
BOON, 1932	Page 37	"	62 972.83	
			2,200, 075.74	
CHADWICK, 1934	Page 226	"	57, 556.45	
			2,189, 726.10	
FISH, 1923	Page 69	"	59, 788.69	
			2,216, 048.93	
LOCKWOOD, 1934	Page 226	"	79, 060.07	
			2,224, 441.84	
SHALLOTTE, 1934	Page 226	"	65, 907.75	
			2,193, 842.35	
HOLDEN, 1934	Page 226	"	63, 843.28	
			2,224 257.09	
RM 15 (USE) 1934	Page 226	"	60, 357.50	
			2,190, 040.92	
RM 14 (USE) 1934	Page 226	"	58, 862.16	
			2,193, 304.94	
COMPUTED BY	DATE	CHECKED BY	DATE	
B. Wilson	11-7-66	A. Santillan	Nov. 8, 1966	13

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COMPILATION REPORT

T-12289

31. DELINEATION

The Kelsh Plotter was used. Field inspection was adequate and the photography of good quality.

32. CONTROL

See photogrammetric plot report.

33. SUPPLEMENTAL DATA

None.

34. CONTOURS AND DRAINAGE

Contours are inapplicable.

Drainage was delineated as field inspected and from office interpretation of the photography.

35. SHORELINE AND ALONGSHORE DETAILS:

The mean low water line was delineated from office interpretation of the photographs. The field inspection of the mean high water line was adequate.

36. OFFSHORE DETAIL

None.

37. LANDMARKS AND AIDS

Appropriate copies of form 567, nonfloating aids or landmarks for charts, have been forwarded.

38. CONTROL FOR FUTURE SURVEYS

None.

39. JUNCTIONS

Junctions are in agreement with T-12288 to the west and with T-12290 to the east. There is no contemporary survey to the north and the Atlantic Ocean is to the south.

40. HORIZONTAL AND VERTICAL ACCURACY

No statement.

46. COMPARISON WITH EXISTING MAPS

A comparison was made with USGS HOLDEN BEACH, N.C., 1:24,000 scale quadrangle, dated 1943.

Changes were noted along the intracoastal waterway and the barrier beach.

There is now a swing bridge over the intracoastal waterway near latitude 33°55' longitude 78°16'.

47. COMPARISON WITH NAUTICAL CHARTS

A comparison was made with chart 835-SC, 1:40,000 scale, 3rd edition, March 1966.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY


* None.

ITEMS TO BE CARRIED FORWARD


None.


E. H. Barnes
Cartographic Aid

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-12289

Atlantic Ocean

Boone Channel

Boone Landing

Boone Neck

Bowen Point

Copas Branch

Holden Beach (beach)

Holden Beach (community)

Intracoastal Waterway

Little Shallotte River

Long Bay

Long Point

Middle Dam Creek

Monks Island

Sage Island

Secession

Shallotte River

Shell Point

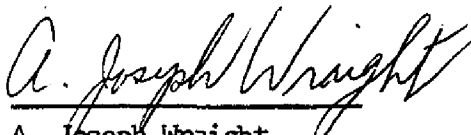
Stanbury Swamp

The Swash

Turkey Trap Swamp

Windy Point

Approved by:


A. Joseph Wraight
Chief Geographer

Prepared by:


Frank W. Pickett
Cartographic Technician

49. NOTES TO THE HYDROGRAPHER

None

PHOTOGRAMMETRIC OFFICE REVIEW

T-12289

1. PROJECTION AND GRIDS B.W.	2. TITLE B.W.	3. MANUSCRIPT NUMBERS B.W.	4. MANUSCRIPT SIZE B.W.
CONTROL STATIONS			
5. HORIZONTAL CONTROL STATIONS OF THIRD-ORDER OR HIGHER ACCURACY B.W.	6. RECOVERABLE HORIZONTAL STATIONS OF LESS THAN THIRD-ORDER ACCURACY (Topographic stations)		7. PHOTO HYDRO STATIONS
8. BENCH MARKS B.W.	9. PLOTTING OF SEXTANT FIXES B.W.	10. PHOTOGRAMMETRIC PLOT REPORT B.W.	11. DETAIL POINTS B.W.
ALONGSHORE AREAS (Nautical Chart Date)			
12. SHORELINE B.W.	13. LOW-WATER LINE B.W.	14. ROCKS, SHOALS, ETC. B.W.	15. BRIDGES B.W.
16. AIDS TO NAVIGATION B.W.	17. LANDMARKS B.W.	18. OTHER ALONGSHORE PHYSICAL FEATURES B.W.	19. OTHER ALONGSHORE CULTURAL FEATURES B.W.
PHYSICAL FEATURES			
20. WATER FEATURES B.W.		21. NATURAL GROUND COVER B.W.	22. PLANETABLE CONTOURS
23. STEREOSCOPIC INSTRUMENT CONTOURS	24. CONTOURS IN GENERAL	25. SPOT ELEVATIONS	26. OTHER PHYSICAL FEATURES
CULTURAL FEATURES			
27. ROADS B.W.	28. BUILDINGS B.W.	29. RAILROADS	30. OTHER CULTURAL FEATURES B.W.
BOUNDARIES			
31. BOUNDARY LINES		32. PUBLIC LAND LINES	
MISCELLANEOUS			
33. GEOGRAPHIC NAMES B.W.		34. JUNCTIONS B.W.	35. LEGIBILITY OF THE MANUSCRIPT B.W.
36. DISCREPANCY OVERLAY B.W.	37. DESCRIPTIVE REPORT B.W.	38. FIELD INSPECTION PHOTOGRAPHS B.W.	39. FORMS B.W.
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-12289

SHORELINE

JUNE 2, 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 T-8199. This 1:20,000 scale survey made in 1944 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 surveys T-8199 and T-12289 will also exist between the HOLDEN BEACH, N.C. quadrangle and T-12289.

Some erosion of the shoreline along the outer coast has occurred since the date of the older survey. The shoreline of the Intracoastal Waterway has also undergone changes caused by dredging operations and the deposit of spoil along its south side. These changes have been indicated on the comparison print in blue.

Survey T-8199 is now obsolete. It is superseded by T-12289 for nautical chart construction purposes.

63. COMPARISON WITH MAPS OF OTHER AGENCIES

Comparison was made with U.S.G.S. HOLDEN BEACH, 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 position of the following fixed aids to navigation are not in agreement on the two surveys.

Cape Fear-Little River Light 51A
 Cape Fear-Little River Daybeacon 53
 Cape Fear-Little River Daybeacon 55
 Cape Fear-Little River Light 59
 Cape Fear-Little River Daybeacon 61
 Cape Fear-Little River Daybeacon 69
 Cape Fear-Little River Light 71A

A wreck shown on the chart near latitude $33^{\circ}54.8'$ longitude $78^{\circ}15.1'$ is not visible on photographs of the area.

All major differences between the chart and this survey have been indicated on the comparison print in red.

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:

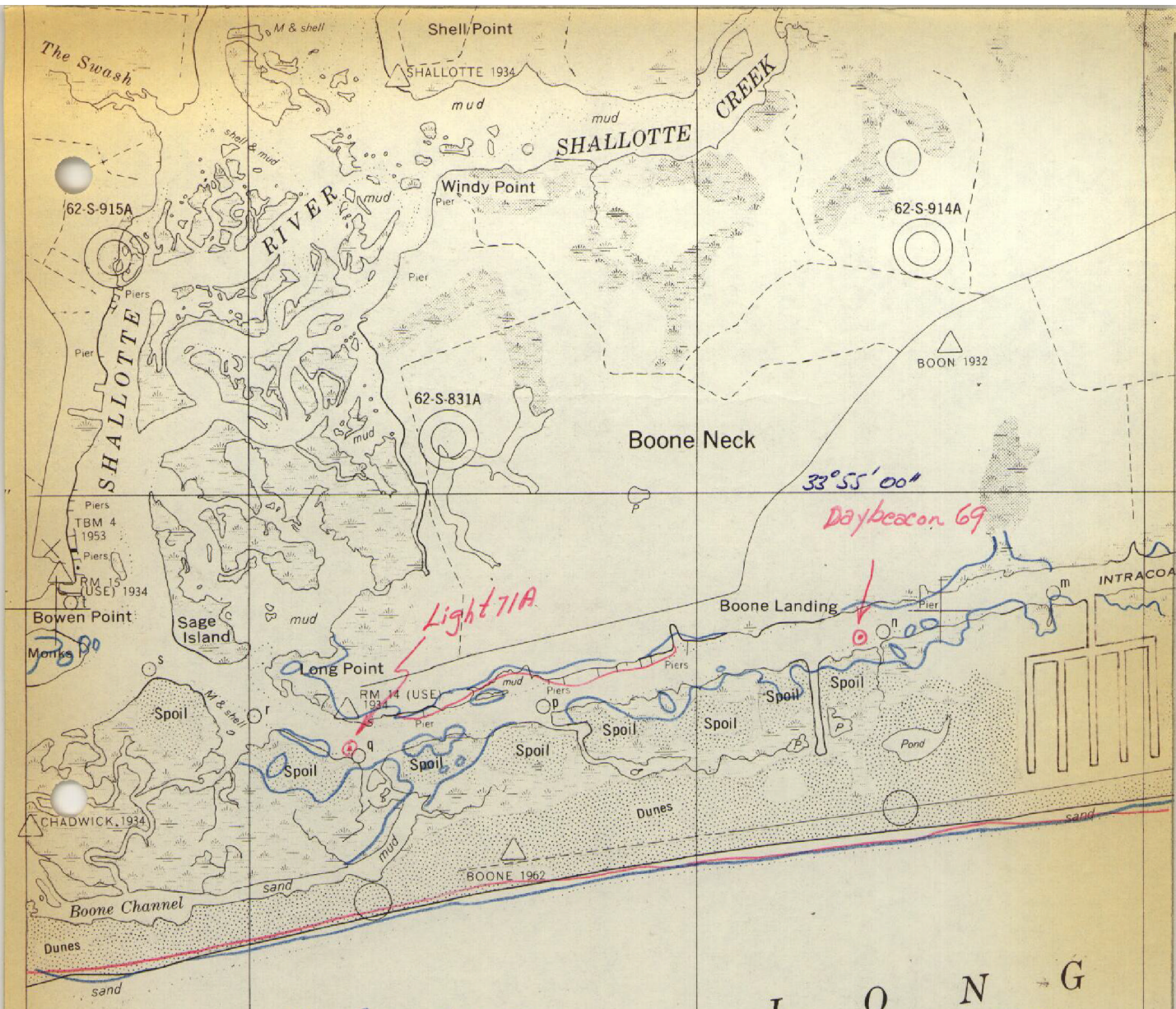
Melvin J. Umbach
 Melvin J. Umbach, CDR, NOAA
 Chief, Photogrammetry Division, AMC

Approved:

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

Approved:

Charles L. ... Chief, Photogrammetric Branch
Jack E. Smith Chief, Photogrammetry Division

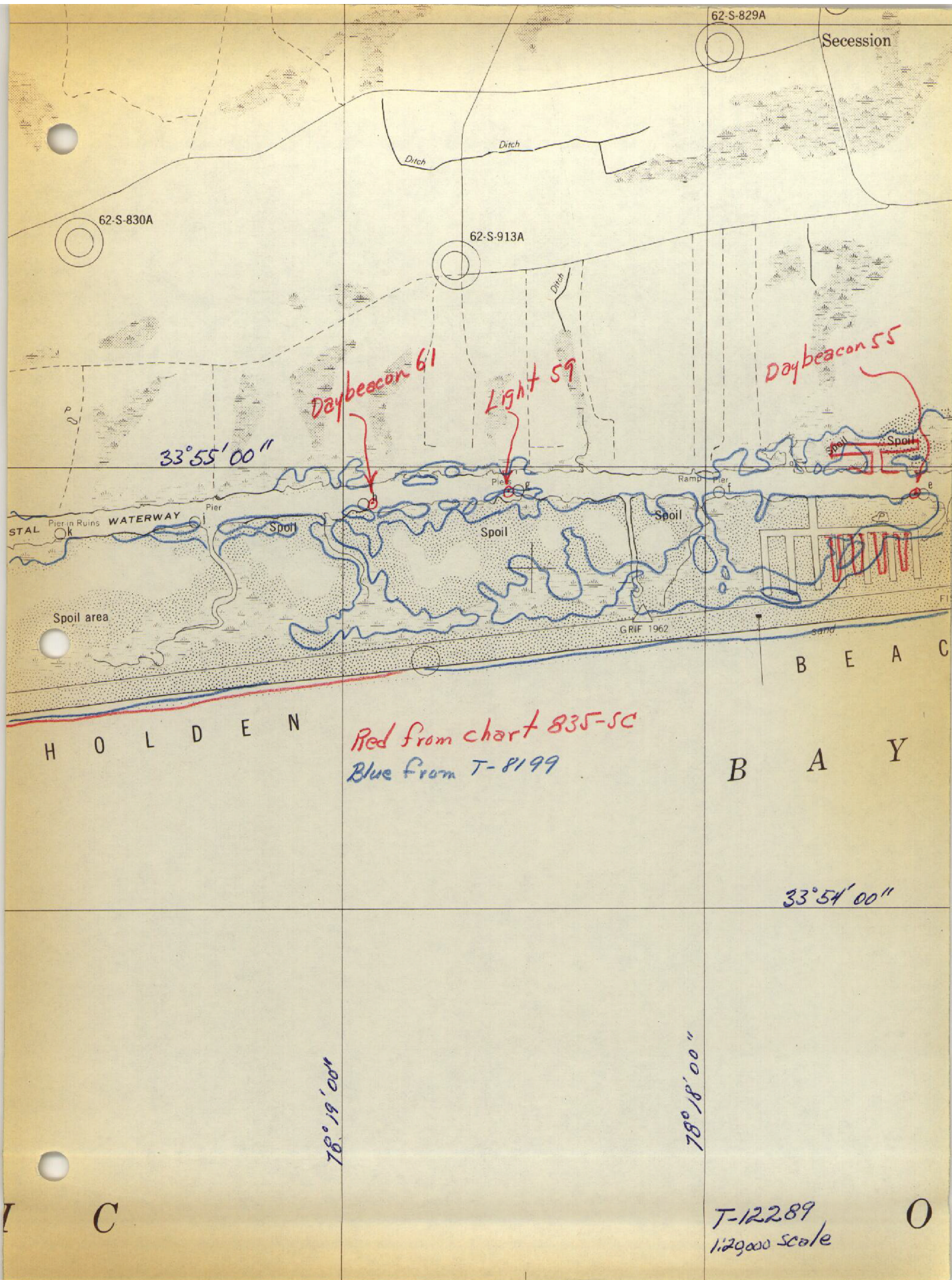


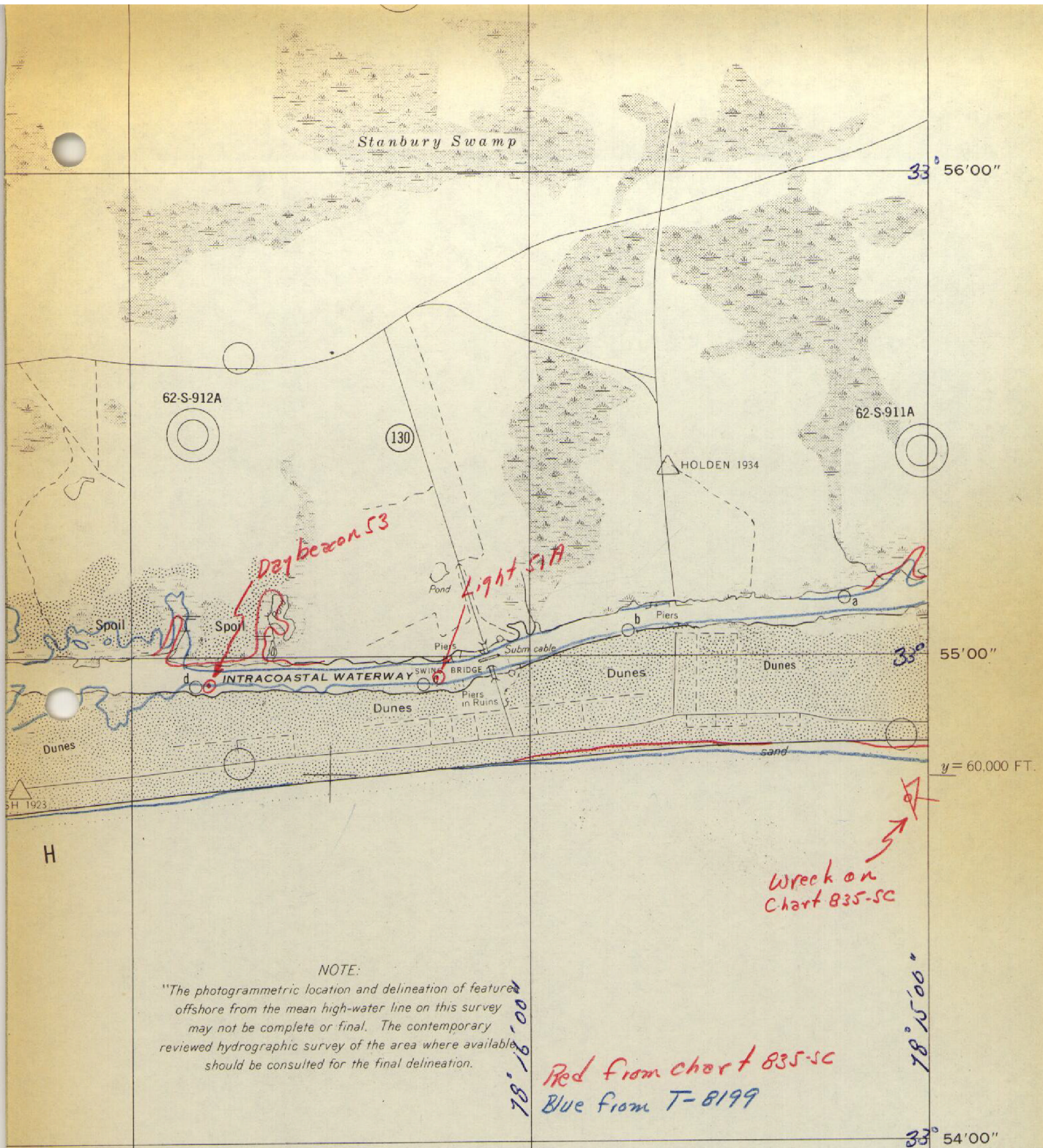
Blue from T-8199
Red from Chart 835-SC

L O N G
33°54'00"

A T L A N T A

T-12289
1:20,000 scale





RECORD OF APPLICATION TO CHARTS

FILE WITH DESCRIPTIVE REPORT OF SURVEY NO.

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]