ORIGINAL

TP-00276

NOAA FORM 76-35

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEY

DESCRIPTIVE REPORT

Type of Survey Shoreline

Job No. PH-7101 *Map No.* TP-00276

Classification No. *Edition No.* 1

Field Edited Map

LOCALITY

State South Carolina and Georgia

General Locality Charleston to Savannah

Locality HILTON HEAD

1970 TO 1974

REGISTRY IN ARCHIVES

DATE

☆ U.S. GOVERNMENT PRINTING OFFICE: 1972-761-152

TP-00276

MAP NOT INSPECTED IN QUALITY CONTROL PRIOR

TO REGISTRATION

NOAA FORM 76-36A (3-72) — U. S. DEPARTMENT OF COMMERCE, NATIONAL OCEANIC AND ATMOSPHERIC ADMIN.

DESCRIPTIVE REPORT - DATA RECORD

TYPE OF SURVEY: [X] ORIGINAL [ ] RESURVEY [ ] REVISED

SURVEY TP- 00276

MAP EDITION NO. (1)

MAP CLASS Final(F.E.)

JOB PH- 7101

PHOTOGRAMMETRIC OFFICE: Coastal Mapping Division (Norfolk)

OFFICER-IN-CHARGE: Jeffrey G. Carlen, CDR,

LAST PRECEEDING MAP EDITION

TYPE OF SURVEY: [ ] ORIGINAL [ ] RESURVEY [ ] REVISED

JOB PH-

MAP CLASS

SURVEY DATES: 19__ TO 19__

I. INSTRUCTIONS DATED

1. OFFICE	2. FIELD
Aerotriangulation May, 1972 Compilation Sept., 1973	Sept., 1970

II. DATUMS

1. HORIZONTAL: [X] 1927 NORTH AMERICAN — OTHER (Specify)

2. VERTICAL: [X] MEAN HIGH-WATER [X] MEAN LOW-WATER [ ] MEAN LOWER LOW-WATER [ ] MEAN SEA LEVEL — OTHER (Specify)

3. MAP PROJECTION: Polyconic

4. GRID(S): STATE: South Carolina; ZONE: South

5. SCALE: 1:10,000 — STATE: ; ZONE:

III. HISTORY OF OFFICE OPERATIONS

OPERATIONS		NAME	DATE
1. AEROTRIANGULATION METHOD: Analytical	BY	R.B. Kelly	Dec. 1973
	LANDMARKS AND AIDS BY		
2. CONTROL AND BRIDGE POINTS METHOD: Coradomat	PLOTTED BY		
	CHECKED BY		
3. STEREOSCOPIC INSTRUMENT COMPILATION	PLANIMETRY BY	L.O. Neterer, Jr.	Dec. 1973
	CHECKED BY	R.R. White	Dec. 1973
INSTRUMENT:	CONTOURS BY	NA	
SCALE:	CHECKED BY	NA	
4. MANUSCRIPT DELINEATION	PLANIMETRY BY	L.O. Neterer, Jr.	Jan. 1974
	CHECKED BY	R.R. White	Jan. 1974
METHOD:	CONTOURS BY	NA	
	CHECKED BY	NA	
	HYDRO SUPPORT DATA BY	NA	
SCALE: 1:10,000	CHECKED BY	NA	
5. OFFICE INSPECTION PRIOR TO FIELD EDIT	BY	R.R. White	Jan. 1974
6. APPLICATION OF FIELD EDIT DATA	BY	J.R. Minton	Mar. 1974
	CHECKED BY	G.R. Vanderhaven	Mar. 1974
7. COMPILATION SECTION REVIEW	BY	G.R. Vanderhaven	Mar. 1974
8. FINAL REVIEW	BY	Billy H. Barnes	Nov. 1975
9. DATA FORWARDED TO PHOTOGRAMMETRIC BRANCH	BY	Billy H. Barnes	March 3 1976
10. DATA EXAMINED IN PHOTOGRAMMETRIC BRANCH	BY		
11. MAP REGISTERED - COASTAL SURVEY SECTION	BY	R. T. CATOR	JUN 1976

NOAA FORM 76-36A — SUPERSEDES FORM C&GS 181 SERIES

* U.S. G.P.O. 1972-769382/582 REG.#6

NOAA FORM 76-36B
(3-72)

U. S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEY

TP-00276

COMPILATION SOURCES

1. COMPILATION PHOTOGRAPHY

CAMERA(S): Wild RC-8 "E" and "L"

TIDE STAGE REFERENCE: SAVANNAH RIVER ENT. (Hilton Head, SC)

- [X] PREDICTED TIDES
- [ ] REFERENCE STATION RECORDS
- [X] TIDE CONTROLLED PHOTOGRAPHY

TYPES OF PHOTOGRAPHY LEGEND
(C) COLOR X
(P) PANCHROMATIC
(I) INFRARED X

TIME REFERENCE
ZONE: Eastern — [X] STANDARD
MERIDIAN: 75th — [ ] DAYLIGHT

	NUMBER AND TYPE	DATE	TIME	SCALE	STAGE OF TIDE
*	71 E 2266R - 2269R	3/28/71	13:22	1:30,000	± 0.2 ft. at MLW
*	71 E 2351R - 2355R	3/30/71	13:10	1:30,000	± 0.2 ft. at MHW
	70 L(C) 9929A - 9931A	11/5/70	10:30	1:40,000	6 ft. above MLW
*	71 E(I) 2357 & 2358	3/30/71	13:12	1:30,000	± 0.2 ft. at MHW

REMARKS: * Tide controlled infrared photography

2. SOURCE OF MEAN HIGH-WATER LINE:

Tide controlled infrared photography, supplemented with planetable and theodolite fixes by field edit of Feb. 1974.

3. SOURCE OF MEAN LOW-WATER OR ~~MEAN LOWER LOW WATER~~ LINE:

Tide controlled infrared photography

4. CONTEMPORARY HYDROGRAPHIC SURVEYS *(List only those surveys that are sources for photogrammetric survey information.)*

SURVEY NUMBER	DATE(S)	SURVEY COPY USED	SURVEY NUMBER	DATE(S)	SURVEY COPY USED

5. FINAL JUNCTIONS

NORTH	EAST	SOUTH	WEST
TP-00271(1:20,000)	TP-00272(1:20,000)	TP-00279(1:20,000)	TP-00271(1:20,000)

REMARKS

* U.S. G.P.O. 1972-769381/568 REG.#6

NOAA FORM 76-36C
(3-72)

U. S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEY

TP-00276

HISTORY OF FIELD OPERATIONS

I. ☒ FIELD INSPECTION OPERATION ☐ FIELD EDIT OPERATION

OPERATION		NAME	DATE
1. CHIEF OF FIELD PARTY		J. Wilson	Oct. 1970
2. HORIZONTAL CONTROL	RECOVERED BY	J. Wilson	Oct. 1970
	ESTABLISHED BY	None	
	PRE-MARKED OR IDENTIFIED BY	R. Kesselring	Oct. 1970
3. VERTICAL CONTROL	RECOVERED BY	NA	
	ESTABLISHED BY	NA	
	PRE-MARKED OR IDENTIFIED BY	NA	
4. LANDMARKS AND AIDS TO NAVIGATION	RECOVERED (*Triangulation Stations*) BY	None	
	LOCATED (*Field Methods*) BY	None	
	IDENTIFIED BY	None	
5. GEOGRAPHIC NAMES INVESTIGATION	TYPE OF INVESTIGATION ☐ COMPLETE ☐ SPECIFIC NAMES ONLY ☒ NO INVESTIGATION — BY		
6. PHOTO INSPECTION	CLARIFICATION OF DETAILS BY	None	
7. BOUNDARIES AND LIMITS	SURVEYED OR IDENTIFIED BY	NA	

II. *SOURCE DATA*

1. HORIZONTAL CONTROL IDENTIFIED: Premarked

2. VERTICAL CONTROL IDENTIFIED: NA

PHOTO NUMBER	STATION NAME	PHOTO NUMBER	STATION DESIGNATION
70L(C)9860A	WAL 4, 1955		

3. PHOTO NUMBERS (*Clarification of details*): None

4. LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED: None

PHOTO NUMBER	OBJECT NAME	PHOTO NUMBER	OBJECT NAME

5. GEOGRAPHIC NAMES: ☐ REPORT ☒ NONE

6. BOUNDARY AND LIMITS: ☐ REPORT ☒ NONE

7. SUPPLEMENTAL MAPS AND PLANS

8. OTHER FIELD RECORDS (*Sketch books, etc.* **DO NOT** *list data submitted to the Geodesy Division*)

1 Form 152
1 Form 266
1 Form 269c

★U. S. GOVERNMENT PRINTING OFFICE: 1973--768074/1057 REGION NO. 6

NOAA FORM 76-36C
(3-72)

U. S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEY

TP-00276

HISTORY OF FIELD OPERATIONS

I. ☐ FIELD INSPECTION OPERATION ☒ FIELD EDIT OPERATION

OPERATION		NAME	DATE
1. CHIEF OF FIELD PARTY		R.D. Black	Feb. 1974
2. HORIZONTAL CONTROL	RECOVERED BY	R.D. Black	Feb. 1974
	ESTABLISHED BY	NA	
	PRE-MARKED OR IDENTIFIED BY	NA	
3. VERTICAL CONTROL	RECOVERED BY	NA	
	ESTABLISHED BY	NA	
	PRE-MARKED OR IDENTIFIED BY	NA	
4. LANDMARKS AND AIDS TO NAVIGATION	RECOVERED (*Triangulation Stations*) BY	NA	
	LOCATED (*Field Methods*) BY	R.D. Black	Feb. 1974
	IDENTIFIED BY	NA	
5. GEOGRAPHIC NAMES INVESTIGATION	TYPE OF INVESTIGATION ☐ COMPLETE ☐ SPECIFIC NAMES ONLY ☒ NO INVESTIGATION — BY		
6. PHOTO INSPECTION	CLARIFICATION OF DETAILS BY	R.D. Black	Feb. 1974
7. BOUNDARIES AND LIMITS	SURVEYED OR IDENTIFIED BY	R.D. Black (MHWL)	Feb. 1974

II. *SOURCE DATA*

1. HORIZONTAL CONTROL IDENTIFIED

PHOTO NUMBER	STATION NAME

2. VERTICAL CONTROL IDENTIFIED

PHOTO NUMBER	STATION DESIGNATION

3. PHOTO NUMBERS (*Clarification of details*)

71 E 2268R, 71 E 2266R, 71 E 2267R

4. LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED

PHOTO NUMBER	OBJECT NAME
71E2266R	PALMETTO DUNES WATER TANK

PHOTO NUMBER	OBJECT NAME

5. GEOGRAPHIC NAMES: ☐ REPORT ☒ NONE

6. BOUNDARY AND LIMITS: ☐ REPORT ☒ NONE

7. SUPPLEMENTAL MAPS AND PLANS

8. OTHER FIELD RECORDS (*Sketch books, etc.* **DO NOT** *list data submitted to the Geodesy Division*)

One (1) form 76-40; Three (3) CSI forms (76-53)
Three (3) forms 157 (position of intersected station)
One (1) list of preliminary grid azimuths (form 758)
Four (4) Recovery Notes (form 526)

☆U. S. GOVERNMENT PRINTING OFFICE: 1973--768074/1057 REGION NO. 6

NOAA FORM 76-36D
(3-72)

U. S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

TP-00276

RECORD OF SURVEY USE

I. MANUSCRIPT COPIES

COMPILATION STAGES			DATE MANUSCRIPT FORWARDED	
DATA COMPILED	DATE	REMARKS	MARINE CHARTS	HYDRO SUPPORT
Manuscript complete, pending field edit	1/ /74	Class III Manuscript Superseded	2/4/74	1/17/74 Field Edit
Field edit applied Compilation complete	3/ /74	Class I Manuscript Superseded	9/10/74	
Final Review	11/ /75		1/30/76	

II. LANDMARKS AND AIDS TO NAVIGATION

1. REPORTS TO MARINE CHART DIVISION, NAUTICAL DATA BRANCH

NUMBER	CHART LETTER NUMBER ASSIGNED	DATE FORWARDED	REMARKS
1	34074	4/2/74	Landmark for Charts

2. ☐ REPORT TO MARINE CHART DIVISION, COAST PILOT BRANCH. DATE FORWARDED: 4/2/74
3. ☐ REPORT TO AERONAUTICAL CHART DIVISION, AERONAUTICAL DATA SECTION. DATE FORWARDED: 4/2/74

III. FEDERAL RECORDS CENTER DATA

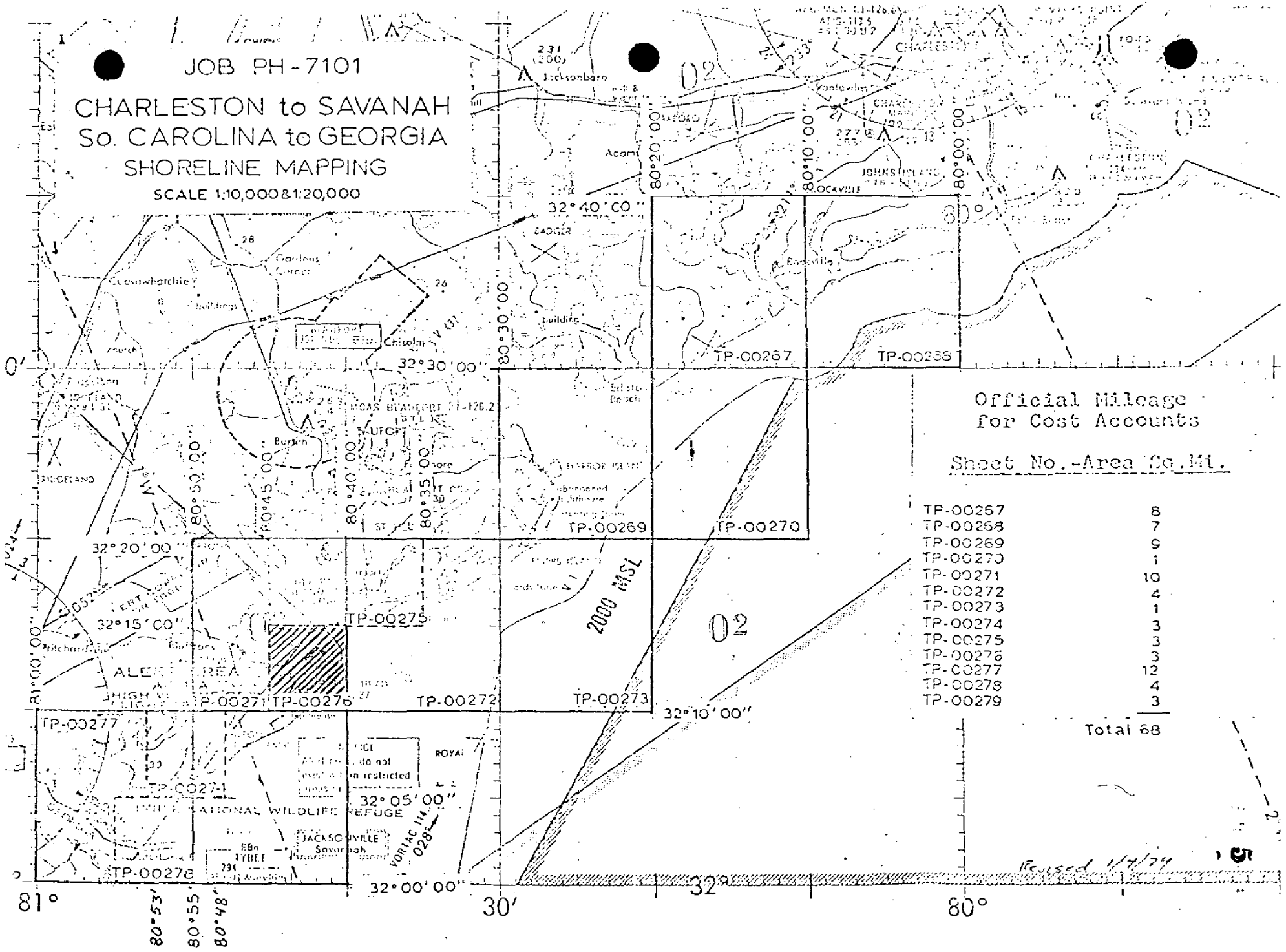
1. ☒ BRIDGING PHOTOGRAPHS; ☒ DUPLICATE BRIDGING REPORT; ☒ COMPUTER READOUTS.
2. ☒ CONTROL STATION IDENTIFICATION CARDS; ☒ FORM NOS 76-40 ~~257~~ SUBMITTED BY FIELD PARTIES.
3. ☒ SOURCE DATA *(except for Geographic Names Report)* AS LISTED IN SECTION II, NOAA FORM 76-36C. ACCOUNT FOR EXCEPTIONS:
4. ☐ DATA TO FEDERAL RECORDS CENTER. DATE FORWARDED: _____

IV. SURVEY EDITIONS *(This section shall be completed each time a new map edition is registered)*

	SURVEY NUMBER	JOB NUMBER	TYPE OF SURVEY
SECOND EDITION	TP - _____ (2)	PH - _____	☐ REVISED ☐ RESURVEY
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	MAP CLASS ☐II. ☐III. ☐IV. ☐V. ☐FINAL
THIRD EDITION	SURVEY NUMBER TP - _____ (3)	JOB NUMBER PH- _____	TYPE OF SURVEY ☐ REVISED ☐ RESURVEY
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	MAP CLASS ☐II. ☐III. ☐IV. ☐V. ☐FINAL
FOURTH EDITION	SURVEY NUMBER TP - _____ (4)	JOB NUMBER PH - _____	TYPE OF SURVEY ☐ REVISED ☐ RESURVEY
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	MAP CLASS ☐II. ☐III. ☐IV. ☐V. ☐FINAL

NOAA FORM 76-36D

★U. S. GOVERNMENT PRINTING OFFICE: 1973--778075/1077 REGION NO. 6


JOB PH-7101
CHARLESTON to SAVANAH
So. CAROLINA to GEORGIA
SHORELINE MAPPING
SCALE 1:10,000&1:20,000
TP-00267
TP-00268
TP-00269
TP-00270
TP-00271
TP-00272
TP-00273
TP-00275
TP-00276
TP-00277
TP-00278
2000 MSL
32°40'00"
32°30'00"
32°20'00"
32°15'00"
32°10'00"
32°05'00"
32°00'00"
80°30'00"
80°20'00"
80°10'00"
80°00'00"
80°50'00"
80°45'00"
80°40'00"
80°35'00"
81°00'00"
81°
80°53'
80°55'
80°48'
30'
32°
80°
ROYAL
JACKSONVILLE
Savannah
TYBEE
VORTAC 114
028°
Official Mileage
for Cost Accounts
Sheet No.-Area Sq.Mi.
TP-00267 8
TP-00268 7
TP-00269 9
TP-00270 1
TP-00271 10
TP-00272 4
TP-00273 1
TP-00274 3
TP-00275 3
TP-00276 3
TP-00277 12
TP-00278 4
TP-00279 3
Total 68
Revised 1/4/79

SUMMARY TO ACCOMPANY

DESCRIPTIVE REPORT TP-00276

This 1:10,000 scale shoreline manuscript has its sheet limits entirely within the boundaries of TP-00271 a 1:20,000 scale sheet. It is one of nine 1:20,000 scale and four 1:10,000 scale shoreline manuscripts that comprise Project PH-7101, Charleston, SC to Savannah, GA. Project PH-7101 is one of several projects that make up SCOPE, the Southern Coastal Plains Expedition. It is not a standard shoreline survey because compilation was limited to the ocean shoreline and only a limited amount of interior detail. Shoreline of bays, inlets, canals or rivers that may be within the geographic limits of this map were not delineated. This deviation from written instructions was brought about by verbal instructions telephoned from the Rockville Office to the Chief, Coastal Mapping Section, AMC.

Field work prior to compilation consisted of taking one reference measurement to the mean high and mean low water lines and premarking horizontal control required for bridging.

Aerotriangulation was done in the Rockville Office on the 1:40,000 scale color photography dated November 1970. Pass points common to the 1:30,000 scale infrared mean high and mean low water photography were dropped for ordering ratios.

Compilation was done at the Atlantic Marine Center in January 1974. The Wild B-8 Plotter, utilizing the 1:40,000 scale color bridging photography, was used to compile inshore planimetry and to drop shoreline pass points common to the 1:30,000 scale infrared tide controlled mean high and mean low water ratios. These ratios were then used to graphically compile the mean high and mean low water lines. The reference measurement referred to in paragraph 2 above was used to verify the photo interpretation of the mean high and mean low water lines.

Field edit was done in February 1974.

Final review was done at the Atlantic Marine Center in November, 1975.

The original manuscript is a stabilene sheet 5 minutes in latitude by 5 minutes in longitude.

A stable base copy and a negative of the final reviewed manuscript were forwarded for record and registry.

Photogrammetric Plot Report
Charleston to Savannah
South Carolina and Georgia
Job PH - 710I

21. Area Covered

This report covers nine 1:20,000 sheets, TP-00267, TP-00268, TP-00269, TP-00270, TP-00271, TP-00272, TP-00273, TP-00277, TP-00279 and four 1:10,000 sheets, TP-00274, TP-00275, TP-00276, and TP-00278 from Kiawah River, South Carolina, to Tybee Island, Georgia.

22. Method

Eight strips 1:40,000 scale color photography were bridged by analytic aerotriangulation methods and adjusted to ground on South Carolina South State Plane coordinate system. Bridge points were used on 1:30,000 scale infrared photography for ratioing photographs to be used in compiling the Mean Low-and Mean High-Water Line. Ratio prints of infrared photography covering Mean Low- and Mean High-Water were ordered. (One each of cronapaque). Tie points were used to augment datum between strips. Data for plotting manuscripts for compilation were assembled for ruling and plotting by the Coradomat and Calcomp.

23. Adequacy of Control

The horizontal control provided was adequate except for Fusky (USE) 1932 sub stations A and C, which held in strip one and did not hold in strip two, because of poor image points. Also, Chan, 1933, substation A and C did not hold in strip four because of poor image points.

All other control held within the accuracy required by National Standards of Map Accuracy at 1:20,000 and 1:10,000 scale.

24. Supplemental Data

U.S. Geological Survey quadrangles were used to provide elevations for vertical adjustments of bridges.

25. Photography

RC-8 color film positives were adequate as to coverage, overlay, and definition.

Submitted by,

Robert B. Kelly

Robert B. Kelly

Approved and forwarded:

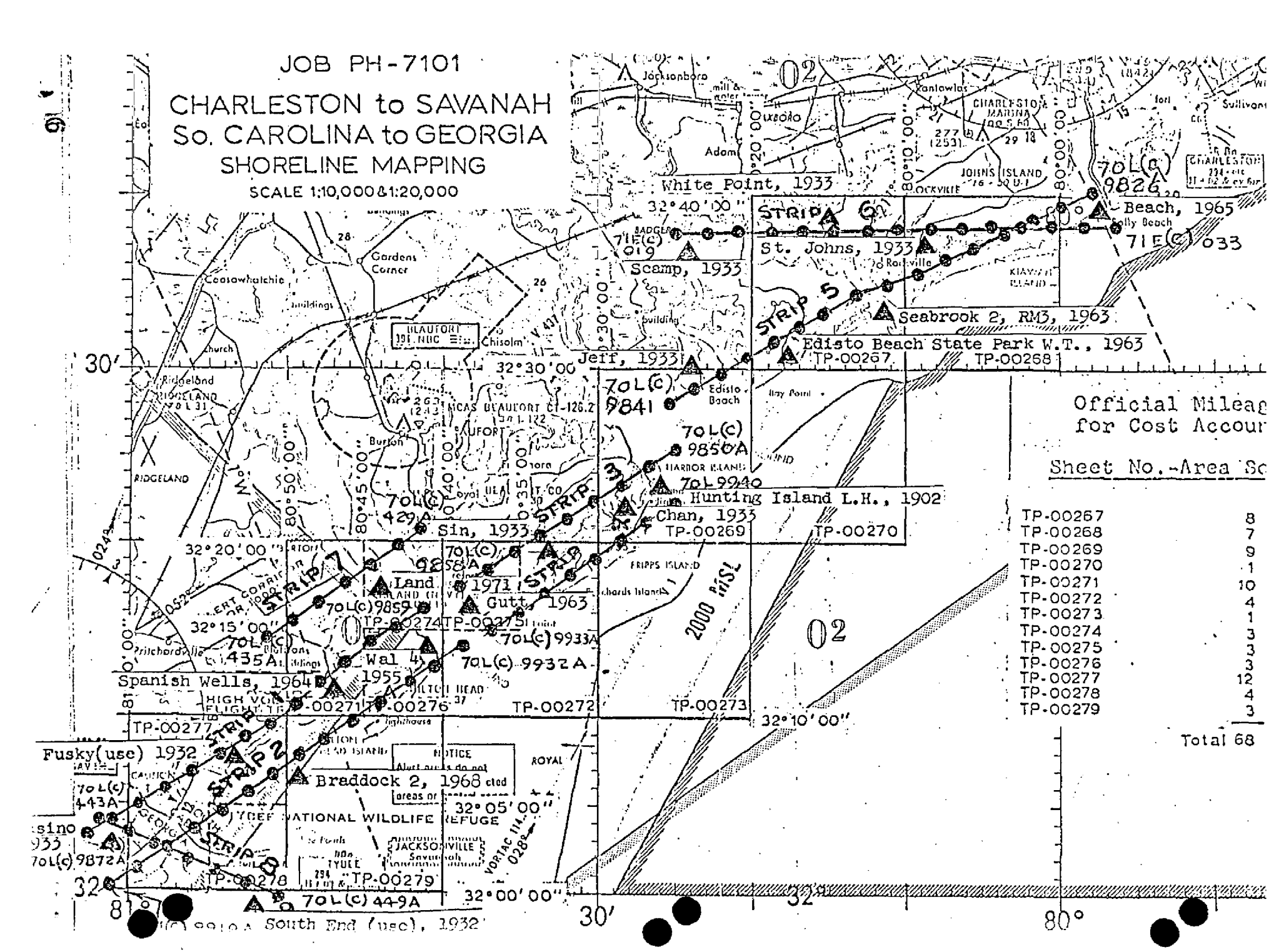
J. D. Perrow, Jr.
Chief, Aerotriangulation Section

PH-7101
Charleston to Savannah

NOTE TO COMPILER

Foreshore Cross Section points listed below were omitted during bridging. Points should be dropped during compilation.

Section II	68-01
Section VII	69-01
Section VIII	69-02
Section IX	73-01
Section XIII	79-01


JOB PH-7101
CHARLESTON to SAVANAH
So. CAROLINA to GEORGIA
SHORELINE MAPPING
SCALE 1:10,000&1:20,000
White Point, 1933
Scamp, 1933
St. Johns, 1933
Beach, 1965
Seabrook 2, RM3, 1963
Edisto Beach State Park W.T., 1963
TP-00267
TP-00268
Jeff, 1933
Hunting Island L.H., 1902
Chan, 1933
TP-00269
TP-00270
Sin, 1933
Land, 1971
Gutt, 1963
Wal 4, 1955
Spanish Wells, 1964
TP-00271
TP-00272
TP-00273
TP-00274
TP-00275
TP-00276
TP-00277
TP-00278
TP-00279
Fusky(use) 1932
Braddock 2, 1968
South End (use), 1932
STRIP 1
STRIP 2
STRIP 3
STRIP 5
2000 MSL
32°40'00"
32°30'00"
32°20'00"
32°15'00"
32°10'00"
32°05'00"
32°00'00"
80°45'00"
80°40'00"
80°35'00"
80°30'00"
80°20'00"
80°10'00"
80°00'00"
Official Mileag
for Cost Accour
Sheet No.-Area Sc
TP-00267 8
TP-00268 7
TP-00269 9
TP-00270 1
TP-00271 10
TP-00272 4
TP-00273 1
TP-00274 3
TP-00275 3
TP-00276 3
TP-00277 12
TP-00278 4
TP-00279 3
Total 68

NOAA FORM 76-41
(6-75)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

DESCRIPTIVE REPORT CONTROL RECORD

MAP NO.	JOB NO.	GEODETIC DATUM	ORIGINATING ACTIVITY
TP-00276	PH-7101	N.A. 1927	

STATION NAME	SOURCE OF INFORMATION (Index)	AEROTRI-ANGULATION POINT NUMBER	COORDINATES IN FEET STATE South Carolina ZONE South	GEOGRAPHIC POSITION φ LATITUDE λ LONGITUDE	REMARKS
WAL 4, 1955	Quad. 320-803 STA 1016		x= 2,099,648.86 ✓ y= 146,348.06 ✓	φ λ	
HILTON HEAD B(USE) 1955	S.C. Vol III Pg. 418		x= 2,101,768.93 ✓ y= 141,784.03 ✓	φ λ	
STONEY PLANTATION BAPTIST CHURCH, 1955	P.C. Pg. 45		x= 2,078,427.72 ✓ y= 145,833.81 ✓	φ λ	
GRAVE, 1931	G.P. Pg. 113		x= y=	φ 32° 14' 48.462" ✓ λ 80° 44' 46.181" ✓	
			x= y=	φ λ	
			x= y=	φ λ	
			x= y=	φ λ	
			x= y=	φ λ	
			x= y=	φ λ	
			x= y=	φ λ	

COMPUTED BY	DATE	COMPUTATION CHECKED BY	DATE
R.R. White	1/17/74	Frank Margiotta	1/17/74
LISTED BY	DATE	LISTING CHECKED BY	DATE
HAND PLOTTING BY	DATE	HAND PLOTTING CHECKED BY	DATE

SUPERSEDES NOAA FORM 76-41, 2-71 EDITION WHICH IS OBSOLETE.

COMPILATION REPORT

TP-00276

31. DELINEATION

This sheet was compiled graphically using 1971 infrared tide controlled photography controlled by photoidentifiable points plotted with the B-8. Both the mean high and mean low water lines were compiled using these photos. The interior detail was compiled using the B-8.

32. CONTROL

See the attached "Photogrammetric Plot Report," dated: Dec. 10, 1973.

33. SUPPLEMENTAL DATA

None

34. CONTOURS AND DRAINAGE

Contours are not applicable to the project. Drainage was delineated by the Wild B-8 stereoplotter and by office interpretation of the photographs.

35. SHORELINE AND ALONGSHORE DETAILS

Alongshore details were delineated by the Wild B-8 stereoplotter and by office interpretation of the photographs.

The mean high and mean low water lines were delineated from the tide controlled photographs.

36. OFFSHORE DETAILS

Offshore details were compiled from office interpretation of the photographs.

37. LANDMARKS AND AIDS

Copies of Form 76-40 for 1 landmark were forwarded to the Rockville, MD office on Mar. 25, 1974.

38. CONTROL FOR FUTURE SURVEYS

None

39. JUNCTIONS

See the attached Form 76-36b, item #5 of the Descriptive Report, concerning junctions.

40. HORIZONTAL AND VERTICAL ACCURACY

No statement required

46. COMPARISON WITH EXISTING MAPS

A comparison has been made with the following U.S. Geological Survey Quadrangle: HILTON HEAD, SC, dated 1956 (photorevised 1971), scale 1:24,000.

47. COMPARISON WITH NAUTICAL CHARTS

A comparison has been made with the following National Ocean Survey chart: 571, dated April 8, 1972, scale 1:40,000 17th ed.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None

ITEMS TO BE CARRIED FORWARD

None

Submitted by:

L.O. Neterer, Jr.
Carto. Technician, Jan. 14, 1974

Approved:

Albert C. Rauck, Jr.
Chief, Coastal Mapping Section, AMC

ADDENDUM TO THE COMPILATION REPORT

TP-00276

FIELD EDIT

Field edit was adequate and all questionable items resolved.

19 August 1975

GEOGRAPHIC NAMES

FINAL NAME SHEET

PH-7101 (Charleston, S. C. to Savannah, Ga.)

TP-00276

Atlantic Ocean

Fish Haul Creek

Folly Field

Hilton Head

Hilton Head Island

Port Royal Plantation

Port Royal Sound

The Folly

Approved by

Chas. E. Harrington
Staff Geographer--C51x2

NOAA FORM 75-74 (2-74)

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL OCEAN SURVEY

PHOTOGRAMMETRIC OFFICE REVIEW

TP-00276

1. PROJECTION AND GRIDS	2. TITLE	3. MANUSCRIPT NUMBERS	4. MANUSCRIPT SIZE
RRW	RRW		

CONTROL STATIONS

5. HORIZONTAL CONTROL STATIONS OF THIRD-ORDER OR HIGHER ACCURACY	6. RECOVERABLE HORIZONTAL STATIONS OF LESS THAN THIRD-ORDER ACCURACY *(Topographic stations)*	7. PHOTO HYDRO STATIONS
	NA	

8. BENCH MARKS	9. PLOTTING OF SEXTANT FIXES	10. PHOTOGRAMMETRIC PLOT REPORT	11. DETAIL POINTS
NA	NONE	RRW	

ALONGSHORE AREAS *(Nautical Chart Data)*

12. SHORELINE	13. LOW-WATER LINE	14. ROCKS, SHOALS, ETC.	15. BRIDGES
RRW	RRW	RRW	

16. AIDS TO NAVIGATION	17. LANDMARKS	18. OTHER ALONGSHORE PHYSICAL FEATURES	19. OTHER ALONGSHORE CULTURAL FEATURES
RRW	RRW	RRW	RRW

PHYSICAL FEATURES

20. WATER FEATURES	21. NATURAL GROUND COVER	22. PLANETABLE CONTOURS
RRW	NA	NA

23. STEREOSCOPIC INSTRUMENT CONTOURS	24. CONTOURS IN GENERAL	25. SPOT ELEVATIONS	26. OTHER PHYSICAL FEATURES
NA	NA	NA	RRW

CULTURAL FEATURES

27. ROADS	28. BUILDINGS	29. RAILROADS	30. OTHER CULTURAL FEATURES
RRW			

BOUNDARIES

31. BOUNDARY LINES	32. PUBLIC LAND LINES
NA	NA

MISCELLANEOUS

33. GEOGRAPHIC NAMES	34. JUNCTIONS	35. LEGIBILITY OF THE MANUSCRIPT
RRW	RRW	RRW

36. DISCREPANCY OVERLAY	37. DESCRIPTIVE REPORT	38. FIELD INSPECTION PHOTOGRAPHS	39. FORMS
RRW	RRW	NONE	RRW

40. REVIEWER	SUPERVISOR, REVIEW SECTION OR UNIT
R.R. White Jan. 1974	Albert C. Rauck, Jr. A.C. Rauck, Jr.

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
J.R. Minton 3/22/74	Albert C. Rauck, Jr.
Reviewed: G. Vanderhaven 3/25/74	A.C. Rauck, Jr.

43. REMARKS

Field Edit Applied From Field Edit Ozalid TP-00276(Film)
and Fixes Attached to Field Edit Report.

SUPERSEDES C&GS FORM 1002 WHICH MAY BE USED UNTIL EXISTING STOCK IS DEPLETED.

FORESHORE CROSS-SECTIONS

CHARLESTON, SOUTH CAROLINA TO SAVANNAH, GEORGIA

JOB PH-7101

Sixteen foreshore cross-sections were taken between Folly Island, South Carolina, and Tybee Island, Georgia, a linear distance of approximately seventy miles. Twelve sections were positioned from triangulation and/or traverse stations and two sections, II and XIII, were located from photo points with sun azimuths. Section IX was located from a triangulation station using a photo point for an azimuth and section VII was run parallel to a relatively long pier.

Vertical control for sections I thru VI, VIII and IX was taken from the tide staff at Edisto Beach, South Carolina. Section VII was based on a temporary tide staff installed at Harbor River Entrance, South Carolina, and a temporary tide staff placed at Skull Creek(North Entrance) provided the control for sections X and XI. The remaining sections were based on the tide staff at Savannah River Entrance, Georgia.

The proceedure, in establishing the TTBM's used to control the individual sections, was to take a level reading on a recoverable object for use as a TTBM, record it as a foresight, and then send the rodman into the water where the rod was used as a combination tide staff/level rod. After observing the water level on the rod for a period sufficient to determine a mean reading, a level reading was taken. The water level reading was subtracted from the level reading and the result entered in the field book as a backsight. Immediately, the instrument was moved, a new water level reading determined and another level reading obtained. Again the two were subtracted and the result entered as a foresight. The rodman was then sent back to the TTBM to close the loop. The entries in the field book show this proceedure reversed. This was done to avoid confusion as there didn't appear to be any adequate method of showing the actual proceedure. The remainder of the operation was straightforward leveling with an angle and distance to the mean high and low water lines thrown in.

Time differences for each section were calculated in advance to eliminate any datum correction; for example, if a minus time were indicated for a particular section, then the water level readings on the tide staff/level rod would be obtained first and the man on the controlling tide staff informed of the time of the readings. The tide staff man would then wait the calculated length of time for the section involved before reading the controlling tide staff. For plus times, the proceedure was reversed. Information was exchanged between the controlling tide staffs and the individual sections via radio. At sections I and XII, no radio communications were available. For these two sections, the controlling tide staff was read and recorded at fifteen minute intervals and the height of the water at the time of the water level readings computed at a later time.

As no specific instructions were given to the contrary, cross-section shots were taken of the foreshore at twenty, thirty, and sometimes, fifty foot intervals, depending on the length of the section. Whether they are necessary, or even wanted, is not known, but as they only took about five to ten minutes extra for each section, they were included anyway.

15c

One typical section and three atypical sections were plotted to give the compiler an idea of what was done and to show the method of location. These sections, the field book, pricking cards, sun azimuths, color contact photographs and charts showing the individual section locations are included with this report.

Richard E. Kesselring
Survey Tech.
May 3, 1971

FIELD EDIT REPORT

TP-00276

Hilton Head, South Carolina
PH-7101

51. METHODS

All field work was done in accordance with the AMC Manual, current Photo Instructions and Project Instructions OPR-436-WH-74, "Coasts of South Carolina and Georgia" dated November 16, 1973 addressed to Chief, Atlantic Hydrographic Field Party.

An inspection of all shoreline and alongshore features was made, and all deletions, additions, corrections and verifications are either shown or indexed on the field edit ozalid. All field edit notes are in violet ink.

New shoreline was determined by plane table and stadia and theodolite and stadia. The landmark was located by photogrammetric field methods. Three pilings were located by theodolite cuts.

52. ADEQUACY OF COMPILATION

Compilation of shoreline and alongshore features was generally adequate, except as noted below. Compilation will be complete when field edit notes are applied.

The shoreline at the north end of this manuscript (between Lat. 32° 13.7' and 32° 14.4) has changed dramatically since the 1970 and 1971 photography from which this sheet was compiled. A plane table traverse was conducted to determine a new mean high water line. Results are shown on the film ozalid.

Three pilings at Lat. 30° 14.3', Long 80° 40.4' are to be charted. Additional groins and seawalls to be compiled are noted on the field edit ozalid.

54. RECOMMENDATIONS

None.

56. GEOGRAPHIC NAMES

No geographic name discrepancies were found while editing this sheet.

57. LANDMARKS AND AIDS TO NAVIGATION

One landmark, Palmetto Dunes Water Tank, is recommended for plotting. Its position was accurately determined by Photo Party 62 in 1973, and this position is the one listed on the form 76-40. The tank was again located by photogrammetric field methods during this field edit, for verification purposes.

57. FIELD EDITORS

Field edit was done by Lt. (jg) Richard D. Black and Mr. Michael F. Sutphin of Photo Party 61.

Respectfully Submitted,

Richard D. Black

Richard D. Black
Lt. (jg) NOAA
Chief, Photo Party 61

RDB/mfs

NOAA FORM 76-40
(2-71)
PRESCRIBED BY
PHOTOGRAMMETRY INSTRUCTION NO. 64.

U.S. DEPARTMENT OF COMMERCE-NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

[redacted]R LANDMARKS FOR CHARTS

ORIGINATING ACTIVITY
- ☐ FIELD INSPECTION
- ☐ FIELD EDIT
- ☒ COMPILATION
- ☐ FINAL REVIEW
- ☐ QUALITY CONTROL AND REVIEW

(See reverse for responsible personnel)

☒ TO BE CHARTED
☐ TO BE DELETED

ORIGINATING LOCATION: Coastal Mapping Division, Norfolk,Va

DATE: Jan.17,1974

The following objects have (~~has not~~) been inspected from seaward to determine their value as landmarks:

JOB NUMBER: PH- 7101

STATE: South Carolina

SURVEY NUMBER: T - TP-00276

DATUM: N.A. 1927

POSITION

CHARTING NAME	DESCRIPTION	LATITUDE ° ′	LATITUDE ″ D.M.METERS	LONGITUDE ° ′	LONGITUDE ″ D.P.METERS	METHOD AND DATE OF LOCATION (See instructions on reverse of this form) FIELD INSPECTION	COMPILATION	FIELD EDIT	CHARTS AFFECTED
TANK	Spherical Top ht=155(165)	32 10	36.06 1111	80 43	36.63 960			Verif. 2/25/74	1240 571 440

18

REVIEW REPORT TP-00276

SHORELINE

November 1975

61. GENERAL STATEMENT:

See Summary which is page six of this Descriptive Report.

A comparison print showing differences noted in paragraphs 62, 63, and 65 is bound with the original of this report.

62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS:

A comparison was made with T-12810, scale 1:10,000, dated April 1966 and T-12619, scale 1:20,000, dated May 1966. Significant differences are shown in blue on the comparison print.

63. COMPARISON WITH MAPS OF OTHER AGENCIES:

A visual comparison was made with U.S.G.S. Quadrangle HILTON HEAD, SC, scale 1:24,000, dated 1956 (Photo-revised, 1971). Significant differences are shown in brown on the comparison print.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS:

A comparison was made with the reviewed boatsheet H-9314 (WH-20-3-73), scale 1:20,000, dated 1973. No differences were noted.

65. COMPARISON WITH NAUTICAL CHARTS:

The area covered by this map is within the limits of NOS Chart 11516, 19th edition, dated Nov. 1974, scale 1:40,000. A visual comparison was made and the significant differences are noted in red on the comparison print.

66. ADEQUACY OF RESULTS AND FUTURE SURVEYS:

This map complies with Project Instructions except as explained in Summary and meets the requirements for Bureau Standards and the National Standards of Map Accuracy.

Reviewed by:

Billy H. Barnes

Billy H. Barnes
Cartographer
November, 1975

Approved for forwarding:

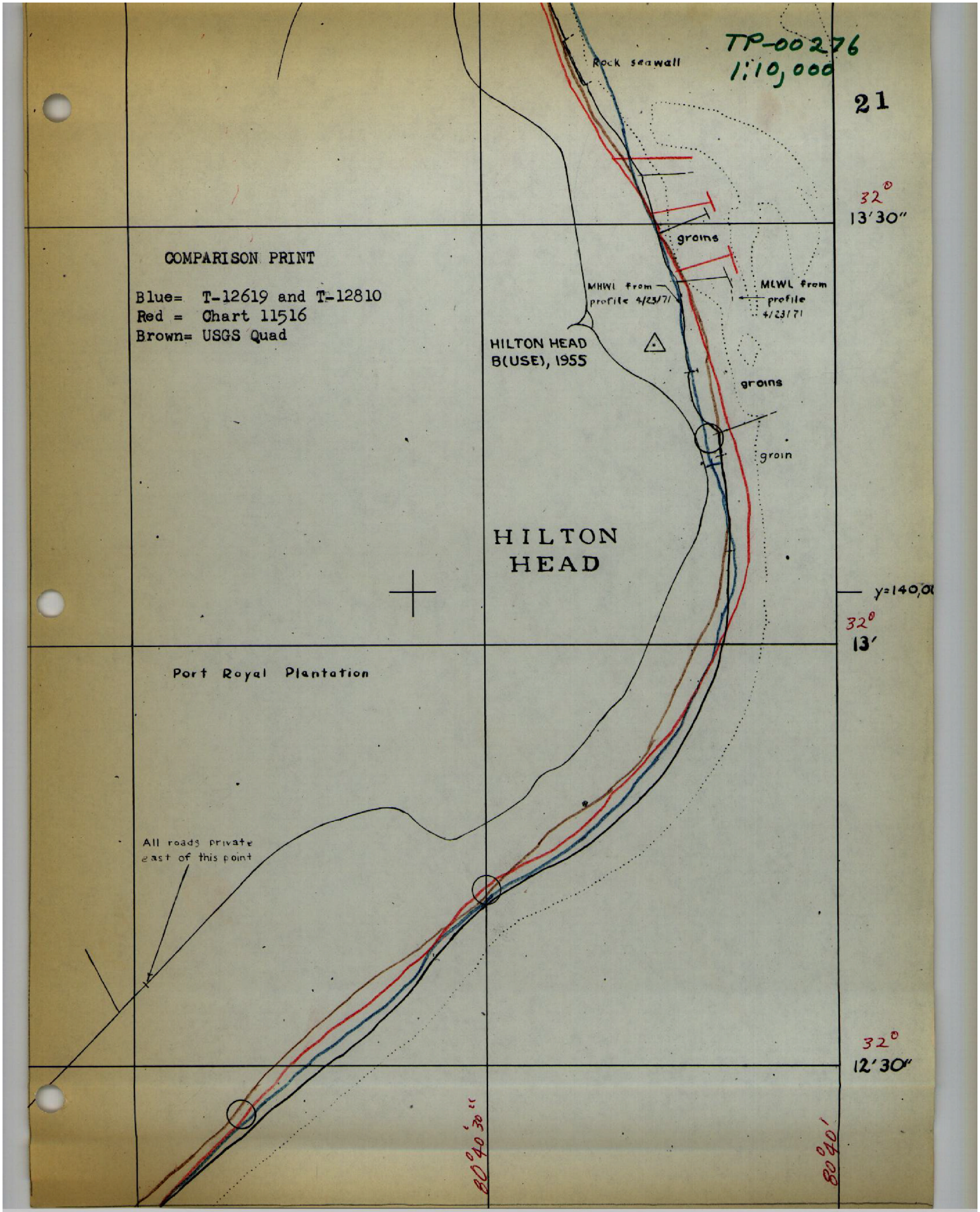
Joseph W. Vonasek

Joseph W. Vonasek
Chief, Photogrammetric Branch, AMC

Approved:

Chief, Photogrammetric Branch

Chief, Coastal Mapping Division


TP-00276
1:10,000
21
Rock seawall
32°
13'30"
groins
COMPARISON PRINT
Blue= T-12619 and T-12810
Red = Chart 11516
Brown= USGS Quad
MHWL from profile 4/23/71
MLWL from profile 4/23/71
HILTON HEAD
B(USE), 1955
groins
groin
HILTON
HEAD
y=140,0
32°
13'
Port Royal Plantation
All roads private east of this point
32°
12'30"
80°40'30"
80°40'

TP-00276
1:10,000
22

000 Ft.
41'30"

80° 41' 00"

X=2,100,000 Ft.
80° 40'30"

32° 15'

PORT

ROYAL

32° 14' 30"

COMPARISON PRINT

Blue = T-12619 and T-12810
Red = Chart 11516
Brown = USGS Quad

= Piling

Creek

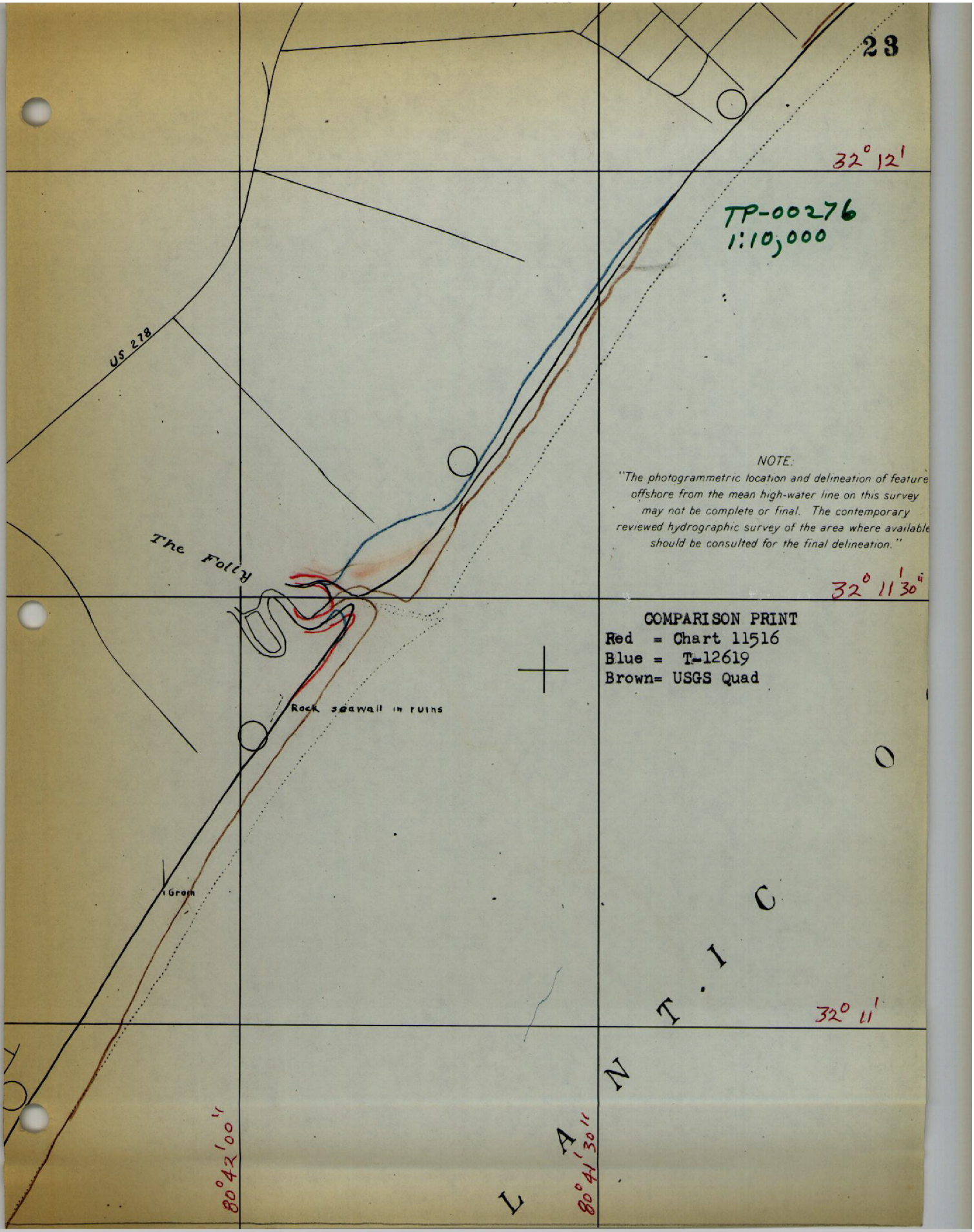
Fish Haul

Sub. pt.
WAL 4,1955

Shoreline subject
to frequent change

32° 14'

groins


23
32° 12'
TP-00276
1:10,000
US 278
The Folly
NOTE:
"The photogrammetric location and delineation of feature 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."
32° 11' 30"
COMPARISON PRINT
Red = Chart 11516
Blue = T-12619
Brown= USGS Quad
Rock seawall in ruins
Groin
O
C
E
A
N
32° 11'
80°42'00"
80°41'30"