ORIGINAL

TP 00279

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-00279

Classification No. *Edition No.* 1

Field Edited Map

LOCALITY

State South Carolina and Georgia

General Locality Charleston to Savannah

Locality Braddock Point

1970 TO 1974

REGISTRY IN ARCHIVES

DATE

TP-00279

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

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. 00279

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: 1:20,000 — STATE: ; ZONE:

III. HISTORY OF OFFICE OPERATIONS

OPERATIONS		NAME	DATE
1. AEROTRIANGULATION METHOD: Analytic	BY	Allen	Dec 1973
	LANDMARKS AND AIDS BY		
2. CONTROL AND BRIDGE POINTS METHOD: Coradomat	PLOTTED BY	Allen	Nov 5 '73
	CHECKED BY		
3. STEREOSCOPIC INSTRUMENT COMPILATION	PLANIMETRY BY	C. Blood	Jan 1974
	CHECKED BY	R.R. White	Jan 1974
INSTRUMENT:	CONTOURS BY	NA	
SCALE: 1:20,000	CHECKED BY		
4. MANUSCRIPT DELINEATION	PLANIMETRY BY	C. Blood	Jan 1974
	CHECKED BY	A.C. Rauck	Jan 1974
METHOD: Smooth ink drafting & tracing a photo-reduction of a 1:10,000 scale manuscript.	CONTOURS BY	NA	
	CHECKED BY		
	HYDRO SUPPORT DATA BY	NA	
SCALE: 1:20,000	CHECKED BY		
5. OFFICE INSPECTION PRIOR TO FIELD EDIT	BY	A.C. Rauck	Jan 1974
6. APPLICATION OF FIELD EDIT DATA	BY	R.R. Rauck	Jul 1974
	CHECKED BY	R. Margiotta	Sep 1974
7. COMPILATION SECTION REVIEW	BY	A. Rauck	Sep 1974
8. FINAL REVIEW	BY	Billy H. Barnes	Dec 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-00279

COMPILATION SOURCES

1. COMPILATION PHOTOGRAPHY

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

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

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

TIDE STAGE REFERENCE: SAVANNAH RIVER ENT. (Hilton Head Inlet SC)
- [X] PREDICTED TIDES
- [ ] REFERENCE STATION RECORDS
- [X] TIDE CONTROLLED PHOTOGRAPHY

	NUMBER AND TYPE	DATE	TIME	SCALE	STAGE OF TIDE
*	71E(I)2348 - 2351	3/30/71	09:01	1:30,000	± 0.2 ft. of MHW
*	71E(I)2261 - 2265	3/30/71	13:17	1:30,000	± 0.2 ft. of MLW
	70L(C)9927A - 9929A	11/5/70	10:29	1:40,000	6 ft. above MLW

REMARKS

*Tide controlled infrared photography.

2. SOURCE OF MEAN HIGH-WATER LINE:

Tide controlled infrared photography.

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-00276 TP-00271	No Survey	No Survey	TP-00274 TP-00277/TP-00278

REMARKS

NOAA FORM 76-36B
(3-72)

* 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-00279

HISTORY OF FIELD OPERATIONS

I. [X] FIELD INSPECTION OPERATION [ ] FIELD EDIT OPERATION

OPERATION		NAME	DATE
1. CHIEF OF FIELD PARTY		J.K. Wilson	Nov. 1970
2. HORIZONTAL CONTROL	RECOVERED BY	R.E. Kesselring	Nov. 1970
	ESTABLISHED BY	NA	
	PRE-MARKED OR IDENTIFIED BY	R.E. Kesselring	Nov. 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	NA	
	LOCATED (*Field Methods*) BY	NA	
	IDENTIFIED BY	NA	
5. GEOGRAPHIC NAMES INVESTIGATION	TYPE OF INVESTIGATION: [ ] COMPLETE [ ] SPECIFIC NAMES ONLY [X] NO INVESTIGATION — BY	NA	
6. PHOTO INSPECTION	CLARIFICATION OF DETAILS BY	NA	
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
71E(I)2348	BRADDOCK 2, 1968		

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: [X] REPORT [ ] NONE

6. BOUNDARY AND LIMITS: [ ] REPORT [X] NONE

7. SUPPLEMENTAL MAPS AND PLANS

None

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

2 Forms 152
1 Contact 70L(c)508A
2 Forms 266
2 Forms 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-00279

HISTORY OF FIELD OPERATIONS

I. ☐ FIELD INSPECTION OPERATION ☒ FIELD EDIT OPERATION

1974

OPERATION		NAME	DATE
1. CHIEF OF FIELD PARTY		LT(jg) R.D. Black	Jan-May
2. HORIZONTAL CONTROL	RECOVERED BY	LT(jg) R.D. Black	Jan-May
	ESTABLISHED BY	R.E. Kesselring	1973
	PRE-MARKED OR IDENTIFIED BY	LT(jg) R.D. Black	Jan-May
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	LT(jg) R.D. Black	Jan-May
	LOCATED (*Field Methods*) BY	LT(jg) R.D. Black	Jan-May
	IDENTIFIED BY	LT(jg) R.D. Black	Jan-May
5. GEOGRAPHIC NAMES INVESTIGATION	TYPE OF INVESTIGATION ☐ COMPLETE ☐ SPECIFIC NAMES ONLY ☒ NO INVESTIGATION — BY	NA	
6. PHOTO INSPECTION	CLARIFICATION OF DETAILS BY	LT(jg) R.D. Black	Jan-May
7. BOUNDARIES AND LIMITS	SURVEYED OR IDENTIFIED BY	NA	

II. SOURCE DATA

1. HORIZONTAL CONTROL IDENTIFIED

PHOTO NUMBER	STATION NAME
71E2250R	PHOTO POINT 79-01
71E2250R	PHOTO POINT 79-02

2. VERTICAL CONTROL IDENTIFIED

PHOTO NUMBER	STATION DESIGNATION

3. *PHOTO NUMBERS (Clarification of details)*

71E2264R and 2265R

4. LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED

PHOTO NUMBER	OBJECT NAME
71E2264R	LIGHT GREEN 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*)

1 list of control stations; 1 list of preliminary Grid Azimuths; 4 forms NOAA 76-72; 2 forms NOAA 76-86; 4 forms NOAA 76-40; 5 forms C&GS 526; 2 forms NOAA 76-53 (C.S.I. cards)

★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-00279

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	2/4/74
Field edit applied compilation complete	7/ /74	Class I Manuscript Superseded	9/10/74	
Final Review	12/ /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
	1160-74	9/5/74	Aids to Navigation
	1160-74	9/5/74	Aids to Navigation (to be deleted)
	1160-74	9/5/74	Landmarks for Charts
	1160-74	9/5/74	Landmarks for Charts (to be deleted)

2. ☐ REPORT TO MARINE CHART DIVISION, COAST PILOT BRANCH. DATE FORWARDED: 9/5/74
3. ☐ REPORT TO AERONAUTICAL CHART DIVISION, AERONAUTICAL DATA SECTION. DATE FORWARDED: _____

III. FEDERAL RECORDS CENTER DATA

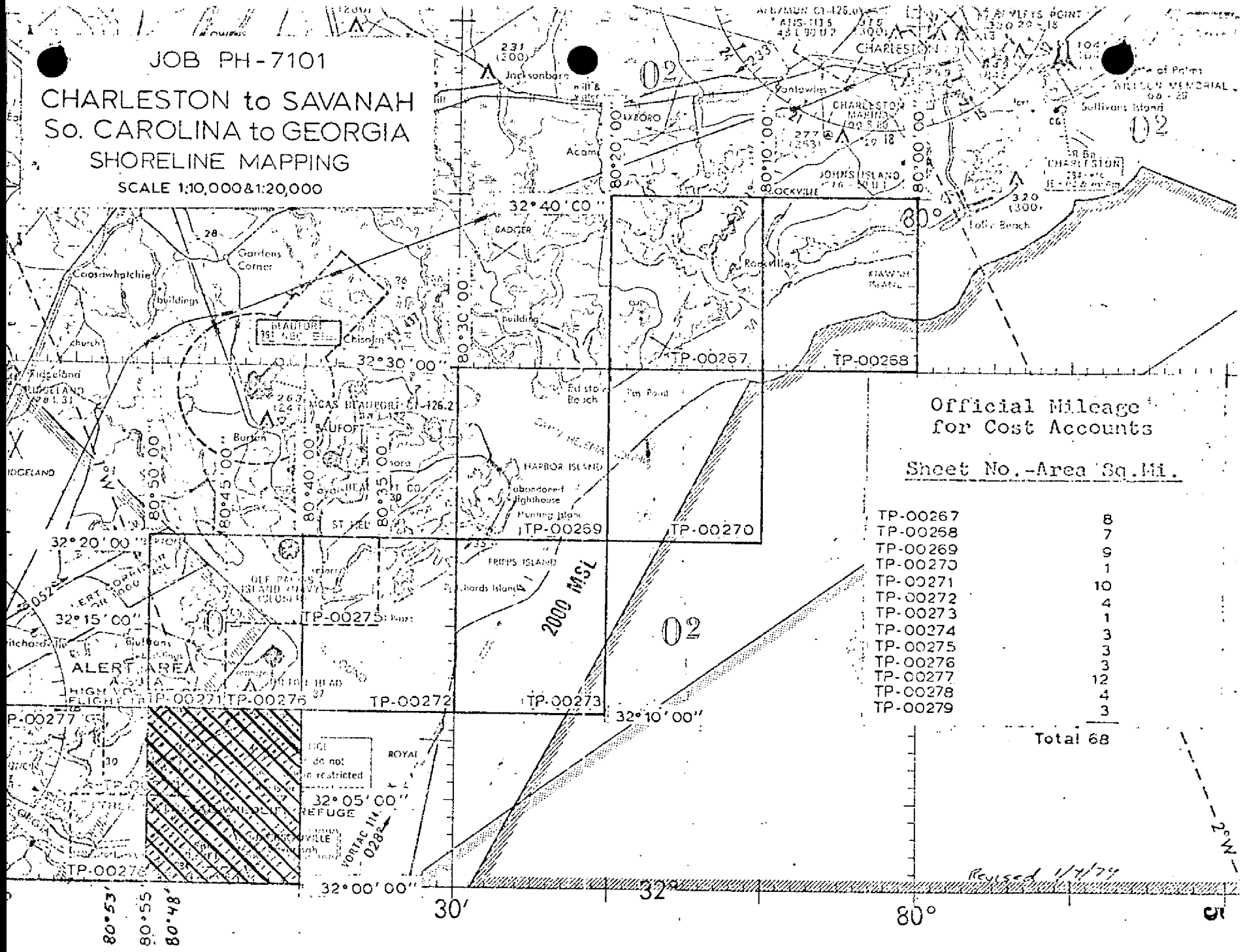
1. ☒ BRIDGING PHOTOGRAPHS; ☒ DUPLICATE BRIDGING REPORT; ☒ COMPUTER READOUTS.
2. ☒ CONTROL STATION IDENTIFICATION CARDS; ☒ FORM NOS 76-40 567 SUBMITTED BY FIELD PARTIES.
3. ☒ SOURCE DATA *(except for Geographic Names Report)* AS LISTED IN SECTION II, NOAA FORM 76-36C. ACCOUNT FOR EXCEPTIONS:
4. ☐ DATA 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
TP-00279
2000 MSL
ALERT AREA
32°40'00"
32°30'00"
32°20'00"
32°15'00"
32°10'00"
32°05'00"
32°00'00"
80°53'
80°55'
80°48'
30'
32°
80°
2°W
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 1/7/74

SUMMARY TO ACCOMPANY

DESCRIPTIVE REPORT TP-00279

This 1:20,000 scale shoreline manuscript 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. It is one of several projects which were combined into the Southern Coastal Plains Expedition, SCOPE. 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 reference measurements 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 tide coordinated 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 measurements referred to in paragraph 2 were used to verify photo interpretation of those lines on the tide controlled photography.

Field edit was done in January and May, 1974.

Final Review was done at the Atlantic Marine Center in December, 1975.

The original manuscript is a stabilene sheet 10 minutes in latitude by 10 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

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

[redacted]

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-00279	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
HILTON HEAD REAR RANGE LIGHTHOUSE, 1900	Vol. III Pg. 420		x=	φ 32° 09' 51.420"	
			y=	λ 80° 44' 24.904"	
DO, 1916	G. 1819 Pg. 115		x=	φ 32° 06' 40.147"	
			y=	λ 80° 48' 57.863"	
BRAD, 1931	G. 1819 Pg. 114		x=	φ 32° 06' 49.684"	
			y=	λ 80° 49' 30.231"	
BRADDOCK, 1964	Vol. III Pg. 428		x=	φ 32° 06' 42.537"	
			y=	λ 80° 49' 37.312"	
BLOODY POINT RANGE FRONT LIGHT, 1964	Vol. III Pg. 430		x=	φ 32° 02' 30.533"	
			y=	λ 80° 49' 40.514"	
BUCK 2, 1931	GP-G1819 Pg. 113		x=	φ 32° 09' 42.798"	
			y=	λ 80° 47' 59.341"	
BACK, 1931	GP-G1819 Pg. 113		x=	φ 32° 09' 05.638"	
			y=	λ 80° 50' 00.009"	
FAR 2, 1931	GP-G1819 Pg. 114		x=	φ 32° 08' 02.030"	
			y=	λ 80° 49' 05.402"	
FRON, 1931	GP-G1819 Pg. 114		x=	φ 32° 08' 10.046"	
			y=	λ 80° 49' 57.255"	
HILTON HEAD REAR RANGE LIGHTHOUSE R.M.I 1964	Bridge Form 164 Pg. 4		x= 2,080,391.50 ft.	φ	
			y= 120,466.93 ft.	λ	

COMPUTED BY	DATE	COMPUTATION CHECKED BY	DATE
F.R. Gustafson	11/15/73	L.B. Foltz	11/16/73
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.

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-00279	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
TUBE, 1955	SC Vol. III Pg. 427		x=	φ 32° 07' 57.14049"	
			y=	λ 80° 46' 15.25280"	
			x=	φ	
			y=	λ	
			x=	φ	
			y=	λ	
			x=	φ	
			y=	λ	
			x=	φ	
			y=	λ	
			x=	φ	
			y=	λ	
			x=	φ	
			y=	λ	
			x=	φ	
			y=	λ	
			x=	φ	
			y=	λ	
			x=	φ	
			y=	λ	

COMPUTED BY	DATE	COMPUTATION CHECKED BY	DATE
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-00279

31. DELINEATION

Delineation was by the Wild B-8 stereoplotter. The area west of 80° 48' was done by tracing a photo reduction of 1:10,000 scale map TP-00274.

32. CONTROL

See the attached "Photogrammetric Plot Report," dated Dec. 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 photograghs.

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

36. OFFSHORE DETAILS

The offshore shoals were compiled from low water photography on TP-00274 1:10,000 scale, photo-reduced and transferred to this manuscript.

37. LANDMARKS AND AIDS

Copies of Form 76-40 for 2 non-floating aids to navigation and 2 landmarks were forwarded to the Rockville, MD office on 8/22/74. Also 1 Form 76-40 for deletion of 1 non-floating aid and 1 Form 76-40 for deletion of 1 landmark.

38. CONTROL FOR FUTURE SURVEYS

[redacted]

Submitted by:

C.E. Blood

C.E. Blood
Cartographic Technician
Jan. 29, 1974

Approved:

Albert C. Rauck, Jr.

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

19 August 1975

GEOGRAPHIC NAMES

FINAL NAME SHEET

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

TP-00279

Atlantic Ocean

Barrett Shoals

Bass Head

Braddock Point

Calibogue Sound

Forest Beach

Hilton Head Island

Sea Pines Plantation

South Sea Pines

Approved by

Chas. E. Harrington

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-00279

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

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
ACR	NA	ACR

8. BENCH MARKS	9. PLOTTING OF SEXTANT FIXES	10. PHOTOGRAMMETRIC PLOT REPORT	11. DETAIL POINTS
NA	ACR	ACR	ACR

ALONGSHORE AREAS *(Nautical Chart Data)*

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

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

PHYSICAL FEATURES

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

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

CULTURAL FEATURES

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

BOUNDARIES

31. BOUNDARY LINES	32. PUBLIC LAND LINES
NA	NA

MISCELLANEOUS

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

36. DISCREPANCY OVERLAY	37. DESCRIPTIVE REPORT	38. FIELD INSPECTION PHOTOGRAPHS	39. FORMS
ACR	ACR	ACR	ACR

40. REVIEWER	SUPERVISOR, REVIEW SECTION OR UNIT
Albert C. Rauck, Jr. Jan. 1974	Albert 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
Richard R. White	Jul. 1974	Albert C. Rauck, Jr.
Frank Margiotta	Sep. 1974	

43. REMARKS

Field edit applied from: Field edit ozalid, photos 71E(I)2264 and 2265; 1 form 758, and 4 forms 76-72's.

NOAA FORM 75-74
(2-74)

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

16. c.

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-00279

Braddock Point, South Carolina
PH-7101
May, 1974

51. METHODS

All field work was done in accordance with the AMC Manual, current Photo Instructions and Project Instructions OPR-436-

57. LANDMARKS AND NONFLOATING AIDS TO NAVIGATION

Two landmarks and seven nonfloating aids to navigation are recommended for charting. The six daymarks on dolphins recommended are not listed in the Light List and are not numbered. They are possibly U.S. Corps of Engineers dredge markers. However, their prominence and permanence qualify them as legitimate aids to navigation.

Tybee Range Front Light has been destroyed, and is recommended to be deleted from charts. It may be rebuilt by the U.S. Coast Guard at a later date.

NOAA forms 76-40 have been completed for the above items.

58. FIELD EDITORS

Field edit was performed by LT. (j.g.) Richard D. Black and Mr. Michael F. Sutphin of Photo Party 61.

Respectfully Submitted,

Richard D. Black

Richard D. Black
LT. (j.g.) NOAA
Chief, Photo Party 61

NOAA FORM 76-40
(8-74)

Replaces C&GS Form 567.

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

[redacted] LANDMARKS FOR CHARTS

ORIGINATING ACTIVITY
- ☐ HYDROGRAPHIC PARTY
- ☐ GEODETIC PARTY
- ☐ PHOTO FIELD PARTY
- ☒ COMPILATION ACTIVITY
- ☐ FINAL REVIEWER
- ☐ QUALITY CONTROL & REVIEW GRP.
- ☐ COAST PILOT BRANCH

(See reverse for responsible personnel)

- ☒ TO BE CHARTED
- ☐ TO BE REVISED
- ☐ TO BE DELETED

REPORTING UNIT (Field Party, Ship or Office): Coastal Mapping Div Norfolk, VA

STATE: South Carolina

LOCALITY:

DATE: Jul. '74

The following objects HAVE ☐ HAVE NOT ☒ been inspected from seaward to determine their value as landmarks.

OPR PROJECT NO.:

JOB NUMBER: PH-7101

SURVEY NUMBER: TP-00279

DATUM: N.A. 1927

CHARTING NAME	DESCRIPTION (Record reason for deletion of landmark or aid to navigation. Show triangulation station names, where applicable, in parentheses)	POSITION LATITUDE ° ′	LATITUDE ″ D.M. Meters	POSITION LONGITUDE ° ′	LONGITUDE ″ D.P. Meters	METHOD AND DATE OF LOCATION (See instructions on reverse side) OFFICE	FIELD	CHARTS AFFECTED
TOWER	Hilton Head Rear Range Lighthouse, 1900(Abandoned) Ht = 100 (108) ft.	32 09	51.420 ✓ 1583.8 ✓	80 44	24.904 ✓ 652.6 ✓		Triang. Rec. Feb., 1974	440 571 1240
TANK	Hilton Head Forest Beach Water Tank, 1963 Ht = 127(134) ft.	32 08	32.325 ✓ 995.7 ✓	80 45	20.703 ✓ 542.6 ✓			440 571 1240

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RESPONSIBLE PERSONNEL		
TYPE OF ACTION	NAME	ORIGINATOR
OBJECTS INSPECTED FROM SEAWARD	Richard D. Black	☐ PHOTO FIELD PARTY ☐ HYDROGRAPHIC PARTY ☐ GEODETIC PARTY ☐ OTHER *(Specify)*
POSITIONS DETERMINED AND/OR VERIFIED	Richard D. Black	FIELD ACTIVITY REPRESENTATIVE
	Richard R. White	OFFICE ACTIVITY REPRESENTATIVE
FORMS ORIGINATED BY QUALITY CONTROL AND REVIEW GROUP AND FINAL REVIEW ACTIVITIES	Billy H. Barnes	☒ REVIEWER ☐ QUALITY CONTROL AND REVIEW GROUP REPRESENTATIVE

INSTRUCTIONS FOR ENTRIES UNDER 'METHOD AND DATE OF LOCATION'

(Consult Photogrammetric Instructions No. 64,

OFFICE

I. OFFICE IDENTIFIED AND LOCATED OBJECTS
Enter the number and date (including month, day, and year) of the photograph used to identify and locate the object.
EXAMPLE: 75E(C)6042
8-12-75

FIELD

I. NEW POSITION DETERMINED OR VERIFIED
Enter the applicable data by symbols as follows:

F - Field	P - Photogrammetric
L - Located	Vis - Visually
V - Verified	
1 - Triangulation	5 - Field identified
2 - Traverse	6 - Theodolite
3 - Intersection	7 - Planetable
4 - Resection	8 - Sextant

A. Field positions* require entry of method of location and date of field work.
EXAMPLE: F-2-6-L
8-12-75

*FIELD POSITIONS are determined by field observations based entirely upon ground survey methods.

FIELD (Cont'd)

B. Photogrammetric field positions** require entry of method of location or verification, date of field work and number of the photograph used to locate or identify the object.
EXAMPLE: P-8-V
8-12-75
74L(C)2982

II. TRIANGULATION STATION RECOVERED
When a landmark or aid which is also a triangulation station is recovered, enter 'Triang. Rec.' with date of recovery.
EXAMPLE: Triang. Rec.
8-12-75

III. POSITION VERIFIED VISUALLY ON PHOTOGRAPH
Enter 'V-Vis.' and date.
EXAMPLE: V-Vis.
8-12-75

**PHOTOGRAMMETRIC FIELD POSITIONS are dependent entirely, or in part, upon control established by photogrammetric methods.

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

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

NONFLOATING AIDS [redacted] 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: July, 1974

The following objects have ([redacted]) been inspected from seaward to determine their value as landmarks:

JOB NUMBER: PH- 7101

SURVEY NUMBER: T -
TP- 00279

STATE: South Carolina

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
LIGHT	(Bloody Point Range Front Light, 1964)	32 02	30.533 940.4	80 49	40.514 1062.9			Triang. Rec. 3/8/74	440 1240

U2

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

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

NONFLOATING AIDS [redacted] 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: July, 1974

The following objects have [redacted] been inspected from seaward to determine their value as landmarks:

JOB NUMBER: PH- 7101

STATE: Georgia

SURVEY NUMBER: T - TP- 00279

DATUM: N.A. 1927

CHARTING NAME	DESCRIPTION	POSITION LATITUDE ° ′	LATITUDE ″ D.M.METERS	POSITION LONGITUDE ° ′	LONGITUDE ″ D.P.METERS	METHOD AND DATE OF LOCATION (See instructions on reverse of this form) FIELD INSPECTION	COMPILATION	FIELD EDIT	CHARTS AFFECTED
LIGHT	(Tybee Range Front Light, 1964) (Destroyed)	32 00.2		80 48.3					440 1240

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REVIEW REPORT TP-00279

SHORELINE

December 1975

61. GENERAL STATEMENT:

See Summary which is page six of this Descriptive Report.

A comparison print showing differences noted in paragraph 62 is included with the original of this report.

62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS:

A comparison was made with T-12618, scale 1:20,000, dated March 1966, T-12619, scale 1:20,000, dated May 1966 and T-12621, scale 1:20,000, dated December 1965. A significant difference is shown in blue on the comparison print. In the areas covered, TP-00279 supersedes T-12618, T-12619 and T-12621 for nautical chart construction purposes. T-12618, T-12619 and T-12621 are the latest registered prior surveys of the area.

63. COMPARISON WITH MAPS OF OTHER AGENCIES:

A visual comparison was made with U.S.G.S. Quadrangles SAVANNAH BEACH NORTH, SC-GA, scale 1:24,000, dated 1955 (photo-revised 1971), BLUFFTON, SC and HILTON HEAD, SC, scale 1:24,000, dated 1956 (photo-revised 1971). No significant differences were noted.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS:

A comparison was made with H-9197 (HSL-20-2-71) scale 1:20,000 dated 1971 and H-9314 (WH-20-3-73) scale 1:20,000 dated 1973. No significant differences were noted.

65. COMPARISON WITH NAUTICAL CHARTS:

The area covered by this map is within the limits of

NOS Charts 11512, 40th edition, dated June 1975, scale 1:40,000 and 11516, 19th edition, dated Nov. 1974 at a scale of 1:40,000. No significant differences were noted.

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
December, 1975

Approved for forwarding:

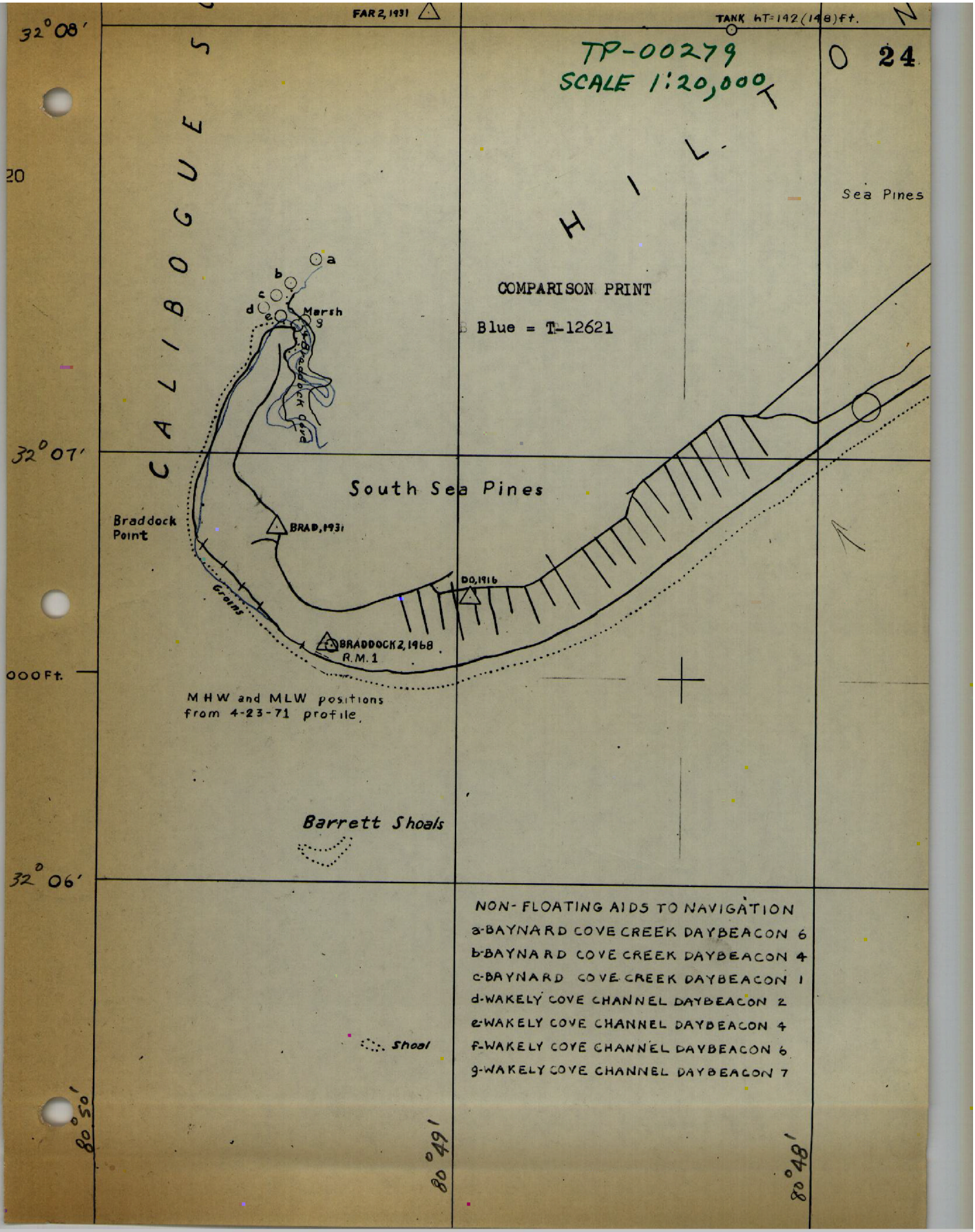
Joseph W. Vonasek

Joseph W. Vonasek
Chief, Photogrammetric Branch, AMC

Approved:

Chief, Photogrammetric Branch

Chief, Coastal Mapping Division


TP-00279
SCALE 1:20,000
FAR 2, 1931
TANK HT=142(148)ft.
32°08'
32°07'
32°06'
20
000Ft.
CALIBOGUE S
H I L
Sea Pines
COMPARISON PRINT
Blue = T-12621
a
b
c
d
e
Marsh
g
Braddock Creek
South Sea Pines
Braddock Point
BRAD, 1931
DO, 1916
Grains
BRADDOCK 2, 1968
R.M. 1
MHW and MLW positions
from 4-23-71 profile.
Barrett Shoals
Shoal
NON-FLOATING AIDS TO NAVIGATION
a-BAYNARD COVE CREEK DAYBEACON 6
b-BAYNARD COVE CREEK DAYBEACON 4
c-BAYNARD COVE CREEK DAYBEACON 1
d-WAKELY COVE CHANNEL DAYBEACON 2
e-WAKELY COVE CHANNEL DAYBEACON 4
f-WAKELY COVE CHANNEL DAYBEACON 6
g-WAKELY COVE CHANNEL DAYBEACON 7
80°50'
80°49'
80°48'