

12281

12281

12281

Form 504	
U. S. DEPARTMENT OF COMMERCE	
COAST AND GEODETIC SURVEY	
DESCRIPTIVE REPORT	
Type of Survey	SHORELINE (Photo)
Field No.	Office No. T-12281
LOCALITY	
State	SOUTH CAROLINA
General locality	WINYAH BAY TO CHARLESTON HARBOR
Locality	ASHLEY RIVER
1962 - 1963	
CHIEF OF PARTY	
W. M. Reynolds, Field Party	
J. C. Bull, Norfolk Regional Officer	
LIBRARY & ARCHIVES	
DATE	

DESCRIPTIVE REPORT - DATA RECORD

T- 12281

PROJECT NO. (II): 21058 (Ph-6216)																	
FIELD OFFICE (II): Georgetown, S. C.		CHIEF OF PARTY W. M. Reynolds															
PHOTOGRAMMETRIC OFFICE (III): Tampa, Florida		OFFICER-IN-CHARGE V. Ralph Sobieralski															
INSTRUCTIONS DATED (II) (III): <table><tr><td>Oct. 8, 1962</td><td>Field</td><td></td></tr><tr><td>Nov. 5, 1962</td><td>Office</td><td></td></tr><tr><td>Feb. 20, 1963</td><td>"</td><td>Amendment I</td></tr><tr><td>April 26, 1963</td><td>"</td><td>" II</td></tr><tr><td>Oct. 10, 1963</td><td>"</td><td>Supplement I</td></tr></table>			Oct. 8, 1962	Field		Nov. 5, 1962	Office		Feb. 20, 1963	"	Amendment I	April 26, 1963	"	" II	Oct. 10, 1963	"	Supplement I
Oct. 8, 1962	Field																
Nov. 5, 1962	Office																
Feb. 20, 1963	"	Amendment I															
April 26, 1963	"	" II															
Oct. 10, 1963	"	Supplement I															
METHOD OF COMPILATION (III): Kelsh Plotter																	
MANUSCRIPT SCALE (III): 1:10,000		STEREOSCOPIC PLOTTING INSTRUMENT SCALE (III): 1:6,000 Pantographed to 1:10,000															
DATE RECEIVED IN WASHINGTON OFFICE (IV):		DATE REPORTED TO NAUTICAL CHART BRANCH (IV):															
APPLIED TO CHART NO.	DATE:	DATE REGISTERED (IV):															
GEOGRAPHIC DATUM (III): N. A. 1927		VERTICAL DATUM (III): MHW XXXXXXXXXX EXCEPT AS FOLLOWS: <i>Elevations shown as (25) refer to mean high water</i> <i>Elevations shown as (5) refer to sounding datum</i> <i>i.e., mean low water or mean lower low water</i>															
REFERENCE STATION (III): CITADEL 1932-1933																	
LAT.: 32° 47' 47".735 (11470.5m)	LONG.: 79° 57' 45".332 (11179.5m)	☒ ADJUSTED ☐ UNADJUSTED															
PLANE COORDINATES (IV): X = 2,318,783.97 Ft. Y = 352,018.53 Ft.		STATE S. C.															
		ZONE South															
ROMAN NUMERALS INDICATE WHETHER THE ITEM IS TO BE ENTERED BY (II) FIELD PARTY, (III) PHOTOGRAMMETRIC OFFICE, OR (IV) WASHINGTON OFFICE. WHEN ENTERING NAMES OF PERSONNEL ON THIS RECORD GIVE THE SURNAME AND INITIALS, NOT INITIALS ONLY.																	

DESCRIPTIVE REPORT - DATA RECORD

FIELD INSPECTION BY (II): M. A. Stewart		DATE: May 1963
MEAN HIGH WATER LOCATION (III) (STATE DATE AND METHOD OF LOCATION): Air photo. compilation Date of photographs April 2, 1962		
PROJECTION AND GRIDS RULED BY (IV): A. Riley		DATE Feb. 1963
PROJECTION AND GRIDS CHECKED BY (IV): L. F. Bengnet		DATE Feb. 1963
CONTROL PLOTTED BY (III): V. P. Cackowski		DATE June 1963
CONTROL CHECKED BY (III): D. Kesler		DATE June 1963
STEREOSCOPIC STEREOSCOPIC CONTROL EXTENSION BY (III): Stereo Bridge (Washington Office)		DATE April 1963
STEREOSCOPIC INSTRUMENT COMPILATION (III):	PLANIMETRY: R. Wagner R. Pate R. Purvis	DATE July 1963
	CONTOURS Inapplicable	DATE
MANUSCRIPT DELINEATED BY (III): I. I. Saperstein " " Reviewed by R. R. Wagner		DATE July 1963 Nov. 1963
SCRIBING BY (III): P. W. Leikhim Reviewed by: W. H. Shearouse		DATE Nov. 1963 Dec. 1963
PHOTOGRAMMETRIC OFFICE REVIEW BY (III): W. H. Shearouse		DATE June 1964
REMARKS: Field Edit - 1963		

FORM C&GS-181c (12-61)		U.S. DEPARTMENT OF COMMERCE COAST AND GEODETIC SURVEY		
DESCRIPTIVE REPORT - DATA RECORD				
CAMERA (KIND OR SOURCE) (III): Wild "S"				
PHOTOGRAPHS (III)				
NUMBER	DATE	TIME	SCALE	STAGE OF TIDE
62-S-4241	April 2, 1962	0936	Diapositives 1:30,000	1.9
" 4242	" "	"	"	"
" 4243	" "	"	"	"
" 4244	" "	0937	"	"
" 4245	" "	"	"	"
PREDICTED TIDE (III)				
			RATIO OF RANGES	MEAN RANGE
REFERENCE STATION: <u>Charleston</u>				5.1
SUBORDINATE STATION: <u>Highway Bridge</u>			HW + LW	6.0
			0.1 0.0	5.2 6.1
SUBORDINATE STATION:				
<i>FINAL</i> WASHINGTON OFFICE REVIEW BY (IV): <u>NORFOLK REG. OFF., M.M. SLAVINEY</u>			DATE: <u>Nov. 1965</u>	
PROOF EDIT BY (IV):			DATE:	
NUMBER OF TRIANGULATION STATIONS SEARCHED FOR (III): 22		RECOVERED: 13	IDENTIFIED: 2	
NUMBER OF BM(S) SEARCHED FOR (III): 11		RECOVERED: 6	IDENTIFIED 1	
NUMBER OF RECOVERABLE PHOTO STATIONS ESTABLISHED (III): None				
NUMBER OF TEMPORARY PHOTO HYDRO STATIONS ESTABLISHED (III): None				
REMARKS: Tidal Bench Marks, with the exception of those at the Ashley River Memorial Bridge, were beyond the limits of photography.				

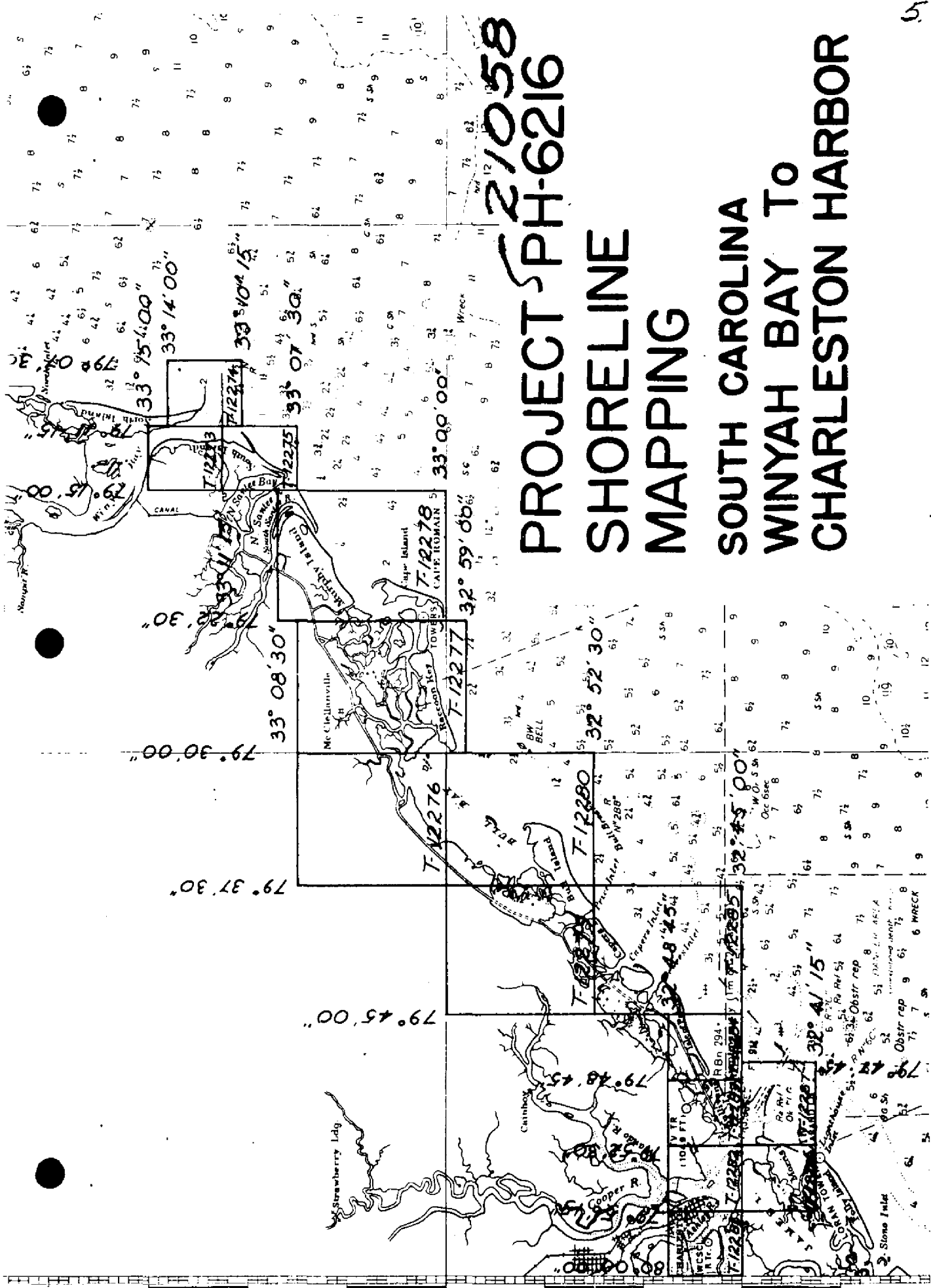
T - 12281

COMPILATION RECORD

COMPLETION DATE

REMARKS

Alongshore area for hydro.	July 1963	Superseded
Interior details added; Alongshore field edit applied Manuscript complete	Oct. 1963	



PROJECT PH-6216

SHORELINE MAPPING

SOUTH CAROLINA

WINYAH BAY TO

CHARLESTON HARBOR

SUMMARY TO ACCOMPANY
DESCRIPTIVE REPORTS T-12281 and T-12282

Shoreline manuscripts T-12281 and T-12282 are two of nine 1:10,000 scale manuscripts in Project 21058 (Winyah Bay to Charleston, South Carolina), which also contains six 1:20,000 scale manuscripts. The sketch on page 5 of this report shows the position of these manuscripts in the project.

This is a stereoscopic instrument project in advance of hydrographic surveys of the area. 1:30,000 scale panchromatic photographs were taken with the "S" camera on April 2, 1962. The stereo bridge was run and adjusted to field identified control in the Washington Office. Compilation was done with the Kelsh Plotter. 1:10,000 scale ratio cronapaque prints were processed and provided for photo hydro support.

The field operations preceding compilation included field inspection and identification of control to be used in the stereo bridge. The manuscripts were later field edited in conjunction with photo hydro support.

The compilation manuscripts were vinylite sheets 3.75 minutes in latitude and longitude. The smooth manuscripts were on cronaflex for review. One cronar positive and one cronar negative of each manuscript are furnished for registry and record after final review.

FIELD INSPECTION REPORT
MAPS T-12281, T-12282, T-12283, T-12286, T-12287
PROJECT PH-6216

2. Areal Field Inspection.

These maps are located along the South Carolina Coast and include most of Charleston Harbor. Charleston is one of the important seaports along the Atlantic Coast. The harbor is busy with the loading and unloading of freighters and tankers. The port also offers limited passenger service to the Caribbean Area. Charleston is also home port for a part of the Atlantic Fleet, including nuclear submarines. The navy has considerable facilities for the overhaul and repair of various types of ships. The first shots of the civil war were fired from Fort Sumter, which is located in Charleston Harbor. Fort Johnson and Fort Moultrie are also located in the immediate area.

Field inspection was performed on several sets of photographs with various scales and dates. The photography was of good quality and no difficulty was found in their interpretation in the field. There were no unusual tones on the photographs. All tones were identical or similar to other areas along this part of the Atlantic Coast. Field inspection is believed complete and no items were deliberately left for field edit. Field inspection was performed on the following ratio prints of photographs; 62S1211A, 62S4241 through 62S4246 and 62S4581 through 62S4585. The following contact prints were also used; 62S1203A, 62S1206A, 62S1207A, 62S4247, 62S4260 through 62S4263, 62S4280 through 62S4283, 62S4583, 62S4584, 63W3065 through 63W3070 and 63W3072.

Complete photographic coverage was not available for parts of the maps.

3. Horizontal Control.

All Coast and Geodetic Survey Control was searched for. Stations to control the bridging was identified in accordance with project instructions. Three stations were established by intersection. Satisfactory side checks of the triangles were obtained but no adjustment of positions was made. Mt. Pleasant Range Rear Light and Fort Sumter Range Rear Light were established in map T-12282. Charleston New Lighthouse was established in map T-12283. The following stations were reported lost;

T-12281

LAWTON 1924
COAST 1924
Charleston North Radio Tower 1953
R. T. Tank 1933

TRADD (USE) 1937
Yacht Basin Beacon 1953
Charleston South Radio Tower
CUT 1928 1953

3. Horizontal Control Cont'd.

T-12282

LINE 1933
HORSE 1933
BATTERY 1919
DRUM 1928
Ft. Sumter Rear Range 1933
Charleston Powerhouse Chimney 1933
Cooper River Beacon Number 38 1953

T-12283

CONCH U.S.E.D. 1934
LIGHT 1924
JET 1933
Ft. Moultrie Tank 1933
Moultrieville Standpipe
Ft. Sumter Flagpole 1933

T-12286

OSWALD 1934, CREEK 1934, TEMPORARY 1933

T-12287

none

4. Vertical Control.

All tidal bench marks in the area were searched for. Form 685A has been submitted for all marks.

5. Contours and Drainage.

Contours are inapplicable.

Drainage is mainly through tidal streams. These are self-evident from the photographs.

6. Woodland Cover.

Woodland cover was inspected and has been classified on the photographs.

7. Shoreline and Alongshore Features.

The shoreline is both apparent and fast. The apparent shoreline was inspected by skiff running close to shore. The fast shoreline was inspected by skiff and by walking along the beach. Measurements from identifiable points were made to locate the mean high water line where necessary.

The low water line was not located.

All docks, wharves, piers or landings have been indicated on the photographs.

Shore ends of submarine cables have been indicated on the photographs.

All other shoreline structures have been clarified.

8. Offshore Structures.

Two wrecks along the east side of the Cooper River and south of the bridge were identified on the photographs. The elevation of the northerly wreck was measured. The southerly wreck is covered at mean high water.

9. Landmarks and Aids.

Landmarks for nautical charts and fixed aids to navigation are adequately covered by Form 567. This form is included with this report.

10. Boundaries, Monuments and Lines.

Limit lines for Charleston Country Club Golf Course have been indicated on the photographs.

11. Other Control.

None was established.

12. Other Interior Features.

Roads have been classified in accordance with Photogrammetry Instructions No. 56.

Buildings have been indicated in accordance with Photogrammetry Instructions No. 54.

One small landing field has been indicated on the Photographs.

13. Geographic Names.

A systematic investigation of names was made and a special report was submitted. See " Special Report Geographic Names, Project PH-6216".

14. Special Reports and Supplemental Data.

Special Report Geographic Names, Project Ph- 6216, submitted to Washington 1/16/63.

Form 567 included with this data.

Letter of Transmittal, included with this data.

William M. Reynolds
William M. Reynolds
Chief, Sub-unit Photo.
Party 6420

10
RECEIVED

JUN 10 1963

Isle of Palms
PH-6216
Photogrammetric Bridging Report - Part II

TAMPA DISTRICT OFFICE
C. & G. S.

Area Covered

The area covered by this report is shoreline from the City of Charleston, S. C., to the Atlantic Ocean in the vicinity of Cummings Point. Sheets T-12281, 12282, and 12286 cover this area which contains four strips of photography. (#7 thru #10)

Method

Four horizontal bridges were run using the C-5 Stereoplanigraph. All four of these strips (7 thru 10) were adjusted by the IBM 650. Pass points were provided for Kelsh compilation.

Strip #7 consists of photos 62S 4240 thru 4246 comprising 6 models. The adjustment utilized 3 control points for solution. Three control points were used as checks. "Wilt, Sub-station B" was in error by -12.8 feet in "x" and -2.8 feet in "y". This point has a poor image and is believed to have been misinterpreted in the bridge.

Strip #8 consists of photos 62S 4580 thru 4585 comprising 5 models. The adjustment utilized 3 control points for solution. Two control points and 6 pass points were used as checks.

Strip #9 consists of photos 62S 4280 thru 4283 comprising 3 models. The adjustment utilized 1 control point and 2 tie points for solution. One control point and 5 pass points were used as checks. Pass points used in the solution and as checks were averaged. All of these points checked within national map accuracy with the exception of point 05340.

Strip #10 consists of photos 63W 3064 thru 3068 comprising 4 models. The adjustment utilized 3 control points for solution. Two control points and one pass point were used as checks. "Secession, 1933 Sub-station B" is a poor image point and checked +3.7 feet in "x" and +14.0 feet in "y".

Adequacy of Control

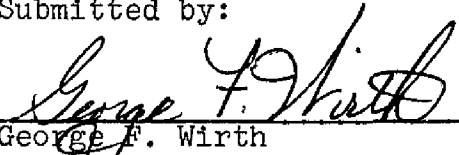
Control provided was adequate for bridging and complied with the project instructions. Stations "WILT, Sub-station B" and "SECESSION, Sub-station B" did not hold within national map accuracy standards. All other closures to control maintained National Standards of Accuracy at 1:10,000.

RECORDED

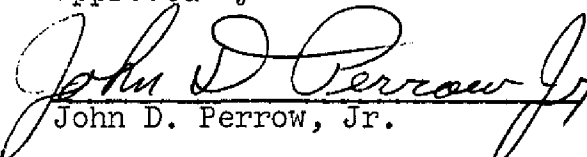
Photography

Photography was adequate as to coverage, overlap, and definition.
(See appended sketch for closures to control.)

Submitted by:


George F. Wirth

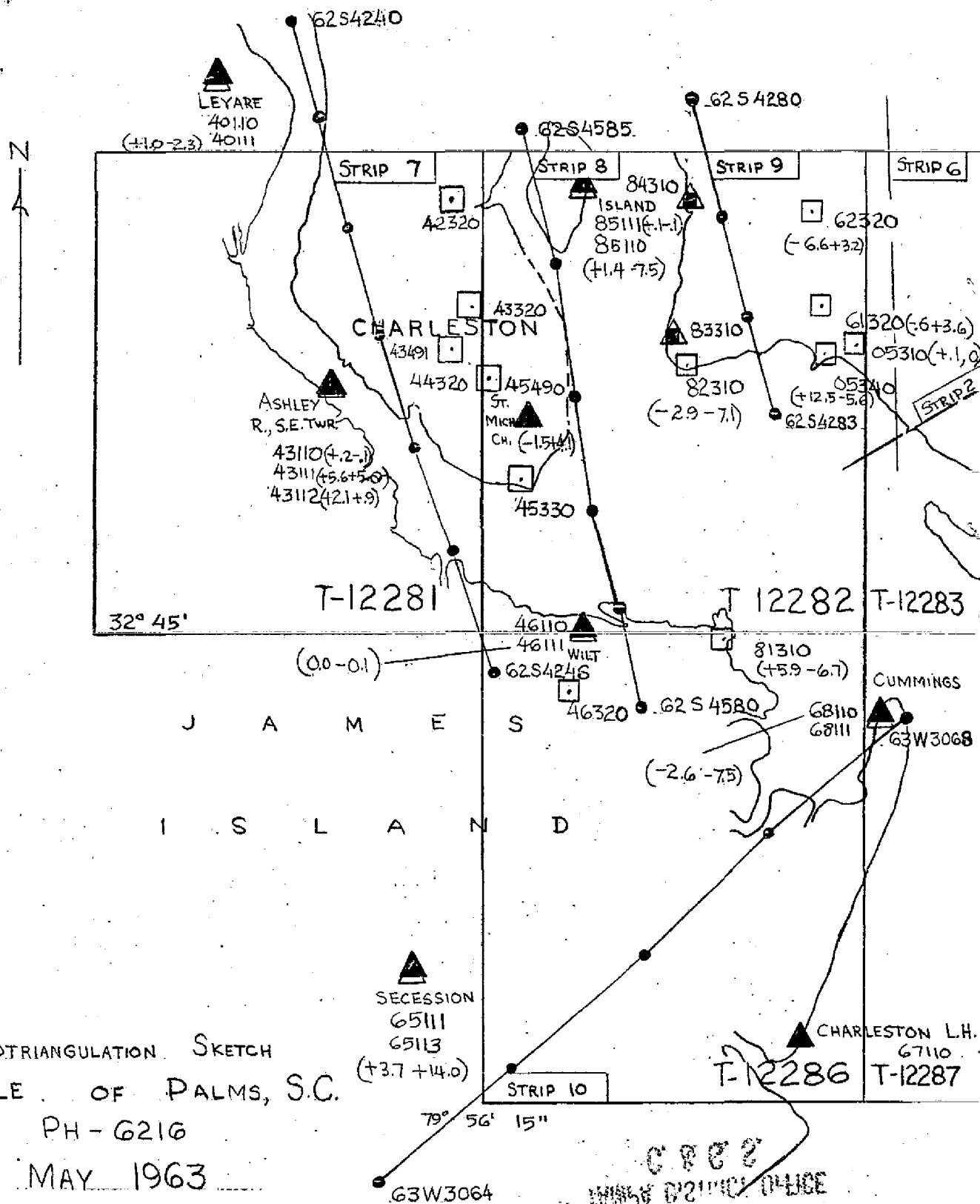
Approved by:


John D. Perrow, Jr.

RECEIVED

JUN 17 1960

TAMPA DISTRICT OFFICE
C. & G. S.



AEROTRIANGULATION SKETCH
ISLE OF PALMS, S.C.
PH - 6216
MAY 1963

- Control used in adjustment
- △ " " as check
- ▲ Tie " in adjustment
- " " as check
- ▲ Ldmk " in adjustment
- Ldmk " as check

C 8 8 2
JUN 10 1963
RECEIVED

U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY
DESCRIPTIVE REPORT
CONTROL RECORD

MAP T. 12281

PROJECT NO. PH-6216

SCALE OF MAP 1:10000

SCALE FACTOR

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR ψ -COORDINATE LONGITUDE OR α -COORDINATE	DISTANCE FROM GRID IN FEET, OR PROJECTION LINE IN METERS FORWARD (BACK)	DATUM CORRECTION	N.A. 1927 - DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS FORWARD (BACK)	FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS FORWARD (BACK)
LEGARE, 1933	Pgc 37	NAD 1927	$y = 360,969.43$ $x = 2,313,237.95$	11 0023.7 70 5076.3		N DK	VPC 67163 DK
ASHLEY RIVER APPROACH (REAR RANGE), 1953	110	"	344,488.78 2,320,699.78	10 5000.4 70 7350.7			u c
ASHLEY RIVER APPROACH FRONT RANGE, 1953	110	"	343,691.63 2,322,299.27	10 4757.4 70 7838.2			11 11
PLUM 2 1919	60	"	339,019.37 2,322,597.69	10 3333.3 70 7929.2			11 c
WINDEMERE TANK 1928	48	"	344,827.62 2,316,399.12	10 5103.7 70 6039.9			11 11
COUNTRY CLUB TANK, 1928	49	"	340,657.19 2,317,891.10	10 3832.5 70 6494.6			11 11
CHARLESTON, WATHER BUREAU, MAST, 1933	61	"	343,673.14 2,324,523.00	10 4751.8 70 8516.0			11 11
ASHLEY BRIDGE SO TOWER, 1933	60	"	347,135.37 2,319,200.79	10 5807.1 70 6893.8			11 11
CITADEL, 1932-33	12	"	352,018.53 2,318,703.97	10 7295.5 70 6766.8			11 11
SPIT, 1953	110	"	343,222.15 2,319,208.59	10 4614.3 70 6896.2			11 11
CHARLESTON WATERWORKS TANK, 1932	86	"	353,913.68 2,324,974.02	10 7873.1 70 8653.5			11 c
COAST, 1920	60	"	344,767.02 2,317,999.69	10 5085.2 70 6527.7			11 11

1 FT. = 3048006 METER
COMPUTED BY: D-12828

DATE 6/5/63

CHECKED BY: RPH/amm

DATE 6/6/63

SCALE FACTOR

1 FT. = 3048006 METER	DATE 6/5/63	CHECKED BY: R. L. [signature]	DATE 6/6/63	COMM-DC-5784-14
COMPUTED BY: P	DATE 6/5/63	CHECKED BY: R. L. [signature]	DATE 6/6/63	

COMPILATION REPORT

T-12281 and T-12282

31. Delineation:

The Kelsh Plotter was used.

The compilation Limits for T-12281, as provided by the Washington Office called for delineating Wappoo Creek and Elliott Cut to the western Limit of T-12281. The area was compiled to the photograph limits, which omit part of Wappoo Creek and all of Elliott Cut.

Field inspection was adequate and no difficulty was encountered in interpretation.

32. Control

See Aerotriangulation Report, page 10 thru 12 of this report. Some minor adjustments was made during compilation of "T-12282" on Strips 8 and 9.

33. Supplemental Data

None.

34. Contours and Drainage

Contours are inapplicable.

Drainage was delineated with no problems.

35. Shoreline and Alongshore Areas

The shoreline inspection was adequate.

Shallow areas were delineated from office interpretation. The low water line was not delineated.

36. Offshore Details:

See Item 49, Notes for the hydrographer.

37. Landmarks and Aids

Forms 567 for "aids to navigation" and "landmarks" to be charted were forwarded for both maps under dates of July 9 and 16, 1963; and November 7, 18 and 21, 1963. Forms 567 for deletions was forwarded by the field

party under date of May 15, 1963.

38. Control for Future Surveys:

No topographic or photo hydro stations were established. Shore-line pass points comprised the entire control assistance for the hydrographer.

39. Junctions:

Junctions have been made:

For T-12281;
with T-12282 on the east; the project limits
are to the north, south and west.

For T-12282;
with T-12281 on the west; T-12283 on the east,
T-12286 on the south; project Limits are to the
north.

40. Horizontal and Vertical Accuracy

No statement.

46. Comparison with Existing Maps

Comparisons of T-12281 and T-12282 were made with U.S.G.S. quadrangle CHARLESTON, S.C., scale 1:24,000; edition of 1958. They are generally in agreement with these exceptions:

T-12281 - there are now 2 bridges, not one, across the Ashley River at latitude $32^{\circ} 47'$; and the yacht basin at latitude $32^{\circ} 46' 45''$ and longitude $79^{\circ} 57'$ is now a pond with access to the river cut off by fill.

T-12282 - there has been enlargement of the sand islands at latitude $32^{\circ} 45' 05''$ between Fort Sumter and Fort Johnson,

47. Comparison with Nautical Charts

Comparison was made with chart 470, scale 1:20,000, 14th edition

of January 29, 1962, revised September 29, 1962.

T-12281 - In fair agreement, the change from yacht^{basin} to pond, see Item 46, also is evident from the chart. Small changes in alongshore streets etc. are evident on this survey.

T-12282 - In fair agreement, minor differences in buildings and piers along the shoreline and the small islets off Shutes Folly Island.

Items to be Applied to Nautical Charts Immediately

None

Items to be Carried Forward

None


R. R. Wagner

APPROVED & FORWARDED


CAPT J. Bull
Norfolk Regional Officer

48. GEOGRAPHIC NAME LIST - T-12281

Geographic names were taken from the final name sheet as prepared by the Washington Office on the Charleston, S. C. quadrangle, scale 1:24,000, edition of 1958.

ALBEMARLE POINT	PLUM ISLAND
ASHLEY RIVER	SAINT ANDREWS
ASHLEY RIVER MEMORIAL BRIDGE	SAVANNAH ROAD
ATLANTIC COAST LINE RR	SEABOARD AIR LINE RR
CHARLESTON	SOUTH CAROLINA
DILL CREEK	SOUTH WINDERMIRE
INTRACOASTAL WATERWAY	ST. ANDREWS BLVD.
JAMES ISLAND	STATE 61
JAMES ISLAND CREEK	STATE 171
MILL CREEK	THE CITADEL
MURRAY SCHOOL	US 17
NEWMARKET CREEK	US 52A
OLD TOWN CREEK	U. S. COAST GUARD
ORANGE GROVE CREEK	WAPPOO CREEK

GEOGRAPHIC NAMES

Ph 6216 (Winyah Bay - Charleston Bay, S.C.)

T-12281

Albemarle

Ashley River

Ashley River Memorial Bridge

Atlantic Coast Line

Charleston

Dill Creek

Intracoastal Waterway

James Island

James Island Creek

Kings Road

Maybank Highway

Mill Creek

Newmarket Creek

Old Town

Old Town Creek

Ocean Highway

Orange Grove Creek

St. Andrews

St. Andrews Blvd.

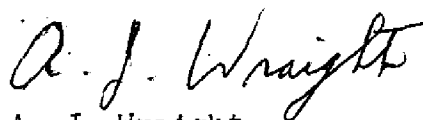
Savannah Road

Seaboard Air Line

South Windermire

The Citadel

Wappoo Creek



A. J. Wraight
Chief Geographic Names

U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEYTO BE CHARTED
TO BE EXAMINED
TO BE RECORDED

STRIKE OUT TWO

NONFLOATING AIDS ~~ON~~ LANDMARKS FOR CHARTS

Tampa District Office, Tampa, Fla. July 16 19 63

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

The positions given have been checked after listing by

I. I. Saperstein

V. Ralph Sobieralski

Chief of Party

STATE SOUTH CAROLINA					POSITION					METHOD OF LOCATION AND SURVEY NO.	DATE OF LOCATION	HARBOR CHART	INSURE CHART	CHARTS AFFECTED
CHARTING NAME	DESCRIPTION	SIGNAL NAME	LATITUDE *		LONGITUDE *		DATUM							
			° ' "	D.P. METERS	° ' "	D.P. METERS								
	CHARLESTON - SAVANNAH RIVER													
LIGHT	ASHLEY RIVER APPROACH RANGE FRONT		32 46	24.998	79 57	05.124	N.A.	1927	Triang.	May 10 1963	X	X	470 1239	
	(Ashley River Approach Front Range, 1953)											X	837	
LIGHT	ASHLEY RIVER APPROACH RANGE REAR		32 46	33.043	79 57	23.764	"		"	"	X	X	"	
	(Ashley River Approach Rear Range, 1953)			1017.9		618.5								
DAYBN 3	Wappoo Cut		32 46	14.48	79 57	18.83	"		Photo	May 11 1963	X	X	470 837	
				446		490			T-12281					
DAYBN 4	Wappoo Cut		32 46	08.57	79 57	42.99	"		"	"	X	X	"	
				264		1119								
DAYBN 8	CHARLESTON HARBOR		32 47	59.60	79 58	23.45	"		"	May 10 1963	X	X	"	
	Ashley River			1836		610			"					

This form shall be prepared in accordance with Hydrographic Manual, Publication 20.2, Sec. 1-55, 2-39, 6-36, 7-18 to 22 inclusive, and Fig. 79. Positions of charted landmarks and nonfloating aids to navigation, if redetermined, shall be reported on this form. Revisions shall show both the old and new positions. The data should be considered for the charts of the area and not by individual field survey sheets. Information under each column heading should be given.

* TABULATE SECONDS AND METERS

USCOMM-DC 16234-P 61

ANOMALOUS/ATKS/CR LANDMARKS FOR CHARTS

TO BE CHARTED
TO BE REVIEWED
TO BE DELIVERED

TO BE CHARTED
TO BE REVISED
STRIKE OUT TWO
10-15-65

NONFLOATING AIDS OR LANDMARKS FOR CHARTS

Tampa Material Office

~~November 7, 1961~~

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

The positions given have been checked after listing by

V. Ruled Tablatures

Chief of Party.

[illegible]

This form shall be prepared in accordance with Hydrographic Manual, Publication 20.2, Sec. 1-35, 2-39, 6-36, 7-18 to 22 inclusive, and Fig. 79. Positions of charted landmarks and *nonfloating aids* to navigation, if redetermined, shall be reported on this form. Revisions shall show both the old and new positions. The data should be considered for the charts of the area and not by individual field survey sheets. Information under each column heading should be given.

* TABULATE SECONDS AND METERS

USCOMM-DC 16234-P61

PHOTOGRAMMETRIC REVIEW SECTION

NONFLOATING AIDS ~~OR~~ ~~MARKS~~ FOR CHARTSTO BE CHARTED
~~RECOMMENDED~~
~~NOT RECOMMENDED~~ } STRIKE OUT TWO

Tampa District Office, Tampa, Fla. July 9, 1963

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

The positions given have been checked after listing by

I. I. Saperstein

for V. Ralph Sobieski, Chief of Party.

STATE		SOUTH CAROLINA		POSITION					METHOD OF LOCATION AND SURVEY NO.	DATE OF LOCATION	HARBOR CHART	INSHORE CHART	CHARTS AFFECTED
CHARTING NAME	DESCRIPTION	SIGNAL NAME	LATITUDE #		LONGITUDE #			DATUM					
			° ' "	D.M. METERS	° ' "	D.P. METERS							
<u>CHARLESTON HARBOR</u>													
	MOUNT PLEASANT CHANNEL												
LIGHT 6			32 46	52.23 1609	79 52	31.59 822	N.A. 1927	Photo. T-12282	5/9/63	X	X	170-197 1239 837	
DAYBN 7			32 47	02.05 63	79 52	50.38 1311	"	"	"	X	X	"	
	SHEW CREEK												
LIGHT 8			32 47	07.17 221	79 53	12.26 319	"	5/10/63	X	X	X	"	
LIGHT	Range Front		32 47	19.51 601	79 53	12.87 335	"	"	"	X	X	"	
LIGHT	Range Rear		32 47	22.11 681	79 53	12.76 332	"	"	"	X	X	"	
LIGHT	Mount Pleasant Range Front		32 46	28.79 887	79 53	02.96 77	"	5/8/63	X	X	X	"	
LIGHT	(Mount Pleasant Range Rear Lt. 1963)		32 47	04.22 130.0	79 53	41.18 1071.6	Triang T-12282	"	"	X	X	"	
LIGHT	North Channel Range A Front		32 46	53.01 1633	79 54	12.83 334	Photo Plot T-12282	"	"	X	X	170-197 1239 837	
LIGHT	North Channel Range A Rear		32 47	01.20 37	79 54	25.90 674	"	"	"	X	X	"	
LIGHT	North Channel Range B Front		32 46	46.06 1419	79 54	48.19 1254	"	"	"	X	X	"	
LIGHT	North Channel Range B Rear		32 46	47.39 1460	79 54	58.10 1512	"	"	"	X	X	"	

This form shall be prepared in accordance with Hydrographic Manual, Publication 20.2, Sec. 1-55, 2-39, 6-36, 7-18 to 22 inclusive, and Fig. 79. Positions of charted landmarks and nonfloating aids to navigation, if redetermined, shall be reported on this form. Revisions shall show both the old and new positions. The data should be considered for the charts of the area and not by individual field survey sheets. Information under each column heading should be given.

* TABULATE SECONDS AND METERS

PHOTOGRAMMETRIC REVIEW SECTION

NONFLOATING AIDS OR/LANDMARKS FOR CHARTS

TO BE CHARTED
TO BE REVISED
TO BE DELETED

STRIKE OUT TWO

Tampa District Office, Tampa, Fla. July 9 19 63

I recommend that the following objects which have ~~(1833-1834)~~ been inspected from seaward to determine their value as landmarks be charted on ~~(1833-1834)~~ the charts indicated.
The positions given have been checked after listing by

I. I. Saperstein

Cor V. Ralph Sobieralski Chief of Party

SOUTH CAROLINA				POSITION				METHOD OF LOCATION AND SURVEY NO.	DATE OF LOCATION	HARBOR CHART	INSTRUMENT	CHARTS AFFECTED	
STATE	CHARTING NAME	DESCRIPTION	SIGNAL NAME	LATITUDE		LONGITUDE							DATUM
				D. M. METERS	D. P. METERS	D. M. METERS	D. P. METERS						
CHARLESTON HARBOR													
LIGHT		North Channel Range C Front		32 46	36.46	79 54	31.32	N.A. 1927	Photo	5/8/63	X	470	
LIGHT		North Channel Range C Rear		32 46	22.76	79 54	20.40	"	"	"	X	1239	
LIGHT 9		North Channel		32 46	58.04	79 54	56.99	"	"	"	X	837	
LIGHT		North Channel Range D Front		32 46	54.80	79 54	53.33	"	"	"	X	"	
LIGHT		North Channel Range D Rear		32 46	47.39	79 54	46.60	"	"	"	X	"	
LIGHT		South Channel Range Front (South Channel Front Range 1953)		32 45	31.240	79 55	31.052	"	Triang. T-12282	"	X	"	
LIGHT		South Channel Range Rear (South Channel Rear Range Bn. 1953)		32 45	31.316	79 56	31.508	"	"	5/9/63	X	"	
DAYBN		Adley (Ripley Day Beacon 1953)		32 45	53.296	79 54	50.6.1	"	"	"	X	"	
		Ashley River							Photo				
DAYBN		Crab Bank		32 46	65.29	79 55	40.07	"	Photo	5/10/63	X	"	
LIGHT		James Island Flats (South Channel Front Range 1953)		32 45	31.240	79 55	31.052	"	Triang. T-12282	5/8/63	X	"	
*On same structure as North Channel Range B Rear 14.													
*On same structure as South Channel Range Front 14.													

This form shall be prepared in accordance with Hydrographic Manual, Publication 20.2, Sec. 1-55, 2-39, 6-36, 7-18 to 22 inclusive, and Fig. 79. Positions of charted landmarks and nonfloating aids to navigation, if redetermined, shall be reported on this form. Revisions shall show both the old and new positions. The data should be considered for the charts of the area and not by individual field survey sheets. Information under each column heading should be given.

* TABULATE SECONDS AND METERS

USCOMM-DC 18284-P61

PHOTOGRAMMETRIC REVIEW SECTION

NONFLOATING AIDS/CR/FA/CD/ML/MS FOR CHARTS

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

STRIKE OUT TWO

Tampa District Office, Tampa, Fla. July 9 1963

I recommend that the following objects which have ~~not been~~ been inspected from seaward to determine their value as landmarks be charted on ~~the~~ the charts indicated.

The positions given have been checked after listing by ~~I. I. Sauerstein~~

for V. Ralph Sobieralski *Chief of Party.*

STATE		SOUTH CAROLINA		POSITION						METHOD OF LOCATION AND SURVEY NO.		DATE OF LOCATION		HARBOR CHART		INSTRUMENT		CHARTS AFFECTED	
CHARTING NAME	DESCRIPTION	SIGNAL NAME	LATITUDE *		LONGITUDE *		DATUM												
			°	'	"	D.M. METERS													
<u>CHARLESTON HARBOR</u>																			
	COOPER RIVER																		
LIGHT	Degaussing Range East Platform		32	46	27.89 859	79	55	05.26 137	N.A. 1927							X			L70 1239 837
LIGHT	Degaussing Range Middle Platform		32	46	27.82 857	79	55	12.07 335	"							X			"
LIGHT	Degaussing Range West Platform		32	46	27.59 850	79	55	22.32 581	"							X			"
D	Degaussing Range Structure (Platform)		32	46	27.92 860	79	55	02.77 72	"							X			"
E	" " "		32	46	28.01- 863	79	54	58.94 1360	"							X			"
F	" " "		32	46	28.01 863	79	54	58.79 1530	"							X			"
LIGHT	Upper Degaussing Range West Platform		32	47	35.94 1107	79	55	14.14 368	"							X			"
LIGHT	Upper Degaussing Range East Platform		32	47	35.16 1083	79	55	08.57 223	"							X			"
LIGHT 2	Town Creek Channel		32	47	34.90 1363	79	55	25.64 667	"							X			"

This form shall be prepared in accordance with Hydrographic Manual, Publication 20.2, Sec. 1-55, 2-39, 6-36, 7-18 to 22 inclusive, and Fig. 79. Positions of charted landmarks and *nonfloating aids* to navigation, if redetermined, shall be reported on this form. Revisions shall show both the old and new positions. The data should be considered for the charts of the area and not by individual field survey sheets. Information under each column heading should be given.

*** TABULATE SECONDS AND METERS**

USCOMM-DC 16294981

24

PHOTOGRAMMETRIC REVIEW SECTION

NONFLOATING AIDS/~~OR~~/LANDMARKS FOR CHARTSTO BE CHARTED
~~FOR REVIEW~~
~~FOR REVIEW~~
STRIKE OUT TWO

Tampa District Office, Tampa, Fla. July 9 1963

I recommend that the following objects which have ~~not been~~ been inspected from seaward to determine their value as landmarks be charted on ~~(see chart 1-55, 2-39, 6-36, 7-18 to 22 inclusive, and Fig. 79. Positions of charted~~ the charts indicated.

The positions given have been checked after listing by L. I. Saperstein

for V. Ralph Seidelrath

Chief of Party

STATE		SOUTH CAROLINA		POSITION										METHOD OF LOCATION AND SURVEY NO.	DATE OF LOCATION	HARBOR CHART	INSHORE CHART	CHARTS AFFECTED
CHARTING NAME	DESCRIPTION	SIGNAL NAME	LATITUDE *		LONGITUDE *		DATUM	METHOD OF LOCATION AND SURVEY NO.	DATE OF LOCATION	HARBOR CHART	INSHORE CHART	CHARTS AFFECTED						
			° ' "	D.P. METERS	° ' "	D.P. METERS												
CHARLESTON HARBOR																		
	COOPER RIVER BRIDGE																	
LIGHT	OBSTRUCTION		32 48	13.89	79 54	49.97	H.A. 1927 7-12282	Photo Flot	May 1963	X	X	X	470 1239 837					
LIGHT	OBSTRUCTION		32 48	15.84	79 55	02.08	"	"	"	X	X	X	"					
LIGHT	OBSTRUCTION		32 48	09.54	79 55	45.39	"	"	"	X	X	X	"					
LIGHT	OBSTRUCTION		32 48	07.04	79 55	52.27	"	"	"	X	X	X	"					
				217		1360												

This form shall be prepared in accordance with Hydrographic Manual, Publication 20.2, Sec. 1-55, 2-39, 6-36, 7-18 to 22 inclusive, and Fig. 79. Positions of charted landmarks and nonfloating aids to navigation, if redetermined, shall be reported on this form. Revisions shall show both the old and new positions. The data should be considered for the charts of the area and not by individual field survey sheets. Information under each column heading should be given.

* TABULATE SECONDS AND METERS

TO BE CHARTED
~~10-55-REVISER~~
~~10-55-REVISER~~

STRIKE OUT TWO

NONFLUORINATING AIDS FOR LANDMARKS FOR CHARTS

Tampa District Office, Tampa, Fla. July 9, 1963

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

The positions given have been checked after listing by

I. Y. Saperstein

for V. Ralph Sobieralski													Chief of Party	
STATE	CHARTING NAME	DESCRIPTION	SIGNAL NAME	POSITION					METHOD OF LOCATION AND SURVEY NO.	DATE OF LOCATION	HARBOR CHART	INSHORE CHART	CHARTS AFFECTED	
				LATITUDE *		LONGITUDE *								
				°	'	°	'	"						
				D. P. METERS										
													INTRACOSTAL	
SOUTH CAROLINA	CHARLESTON HARBOR													470
	TANK	(Port Johnson South Tank, 1953) ht = 100 (110)		32 45	00.341	79 53	57.370	W. A. T-12282	May 16 1963	x	x	x	1239	
	TANK	(Quarantine Water Tank, 1921) ht = 96 (106)		32 45	09.284	79 53	55.042	"	"	x	x	x	837	
	SPIRE	(Charleston Synagogue Church Spire 1932) ht = 168 (178)		32 46	34.059	79 55	51.171	"	May 9 1963	x	x	x	1239	
	PENTHOUSE	On apartment building ht = 110 (115)		32 46	109.2	79 55	1347.3	"	"	x	x	x	837	
	SPIRE	(Charleston St. Phillips Church Spire 1890-1933) ht = 194 (204)		32 46	11.837	79 55	376.6	"	May 20 1963	x	x	x	837	
	TANK	Insurance Coffee Co. ht = 104 (109)		32 46	17.36	79 55	41.15	"	"	x	x	x	837	
	SPIRE	(Charleston St. Matthews Lutheran Church Spire 1932) ht = 238 (248)		32 47	11.837	79 56	376.6	"	May 9 1963	x	x	x	837	
	TANK	Black Water Tank ht = 135 (140)		32 47	381.6	79 55	39.66	"	May 20 1963	x	x	x	837	
	TANK	American Tobacco Co. ht = 146 (156)		32 47	971	79 56	1032	"	"	x	x	x	837	
TANK	S. C. State Port Authority ht = 114 (119)		32 47	49.89	79 56	118	"	"	x	x	x	837		
TWIN STAGES	CITY Incinerator ht = 137 (147)		32 47	53.24	79 55	40.43	"	"	x	x	x	837		
TV TOWER	BUSH Television ht = 842 (854)		32 47	1610	79 56	1260	"	"	May 16 1963	x	x	x	837	
				32 47	55.86	79 56	09.38	"	"	x	x	x	837	
				32 47	1724	79 56	244	"	"	x	x	x	837	
				32 47	56.22	79 56	09.57	"	"	x	x	x	837	
				32 47	1732	79 56	249	"	"	x	x	x	837	
				32 47	56.32	79 53	49.89	"	May 20 1963	x	x	x	837	
				32 47	1735	79 53	1298	"	"	x	x	x	837	

This form shall be prepared in accordance with Hydrographic Manual, Publication 20.2, Sec. 1-55, 2-39, 6-36, 7-18 to 22 inclusive, and Fig. 79. Positions of charted landmarks and nonfloating aids to navigation, if redetermined, shall be reported on this form. Revisions shall show both the old and new positions. The data should be considered for the charts of the area and not by individual field survey sheets. Information under each column heading should be given.

* TABULATE SECONDS AND METERS

USCOMM-DC 16234-P61

PHOTOGRAMMETRIC REVIEW SECTION

VIEW SECTION
AERONAUTICAL
NONEXHAUSTIVE AIDS OR LANDMARKS FOR CHARTS

TO BE CHARTED
TO BE REVISED
TO BE DELETED

Tampa District Office, Tampa, Fla. July 9 1963

I recommend that the following objects which have ~~been~~^{been} inspected ~~for~~^{be assigned} to determine their value as landmarks be charted on ~~(attached plans)~~ the charts indicated.

The positions given have been checked after listing by

I. I. Saparito

For V. Ralph Sobleraleld

Chief of Party:

[illegible]

This form shall be prepared in accordance with Hydrographic Manual, Publication 20-2, Sec. 1-55, 2-39, 6-36, 7-18 to 22 inclusive, and Fig. 79. Positions of charted landmarks and *nonfloating aids* to navigation, if redetermined, shall be reported on this form. Revisions shall show both the old and new positions. The data should be considered for the charts of the area and not by individual field survey sheets. Information under each column heading should be given.

* TABULATE SECONDS AND METERS

U S COMM-DC 10234-P01

NONFLOATING AIDS OR ORIENTED MARKS FOR CHARTS

**TO BE CHARTERED
TO BE RENTED
TO BE OWNED**

STRIKE OUT TWO

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

The positions given have been checked after listing by

Tampa District Office

November 21, 1963

Robert R. Wagner

[illegible]

This form shall be prepared in accordance with Hydrographic Manual, Publication 20.2, Sec. 1-55, 2-39, 6-36, 7-18 to 22 inclusive, and Fig. 79. Positions of charted landmarks and *floating aids* to navigation, if redetermined, shall be reported on this form. Revisions shall show both the old and new positions. The data should be considered for the charts of the area and not by individual field survey sheets. Information under each column heading should be given.

* TABULATE SECONDS AND METERS

USCOMM-DC 10234-P61

T-12281

49. NOTES FOR THE HYDROGRAPHER

Numerous shoreline pass points have been located by the Kelsh plotter for the use of the hydro-support party.

Two submerged wrecks shown on Chart 470 at approx. latitude $32^{\circ}46'09''$, longitude $79^{\circ}56'46''$, and at approx. latitude $32^{\circ}46'33''$, longitude $79^{\circ}56'50''$ could not be seen on the photographs and should be located by the hydrographer if still existent.

See Item 65 on page 33.

C&GS FORM 1002 (11-13-61)		U.S. DEPARTMENT OF COMMERCE COAST AND GEODETIC SURVEY	
PHOTOGRAMMETRIC OFFICE REVIEW			
T-10063 12281			
1. PROJECTION AND GRIDS WHS	2. TITLE WHS	3. MANUSCRIPT NUMBERS WHS	4. MANUSCRIPT SIZE WHS
4a Classification label <u>unclassified</u>			
CONTROL STATIONS			
5. HORIZONTAL CONTROL STATIONS OF THIRD-ORDER OR HIGHER ACCURACY WHS	6. RECOVERABLE HORIZONTAL STATIONS OF LESS THAN THIRD-ORDER ACCURACY (Topographic stations) XX		7. PHOTO HYDRO STATIONS XX
8. BENCH MARKS WHS	9. PLOTTING OF SEXTANT FIXES XX	10. PHOTOGRAMMETRIC PLOT REPORT BRIDGE	11. DETAIL POINTS KELSH
ALONGSHORE AREAS (Nautical Chart Data)			
12. SHORELINE WHS	13. LOW-WATER LINE WHS	14. ROCKS, SHOALS, ETC. WHS	15. BRIDGES WHS
16. AIDS TO NAVIGATION WHS	17. LANDMARKS WHS	18. OTHER ALONGSHORE PHYSICAL FEATURES WHS	19. OTHER ALONGSHORE CULTURAL FEATURES WHS
PHYSICAL FEATURES			
20. WATER FEATURES WHS	21. NATURAL GROUND COVER WHS		22. PLANETABLE CONTOURS XX
23. STEREOSCOPIC INSTRUMENT CONTOURS XX	24. CONTOURS IN GENERAL XX	25. SPOT ELEVATIONS XX	26. OTHER PHYSICAL FEATURES WHS
CULTURAL FEATURES			
27. ROADS WHS	28. BUILDINGS WHS	29. RAILROADS WHS	30. OTHER CULTURAL FEATURES WHS
BOUNDARIES			
31. BOUNDARY LINES XX		32. PUBLIC LAND LINES XX	
MISCELLANEOUS			
33. GEOGRAPHIC NAMES WHS	34. JUNCTIONS WHS		35. LEGIBILITY OF THE MANUSCRIPT WHS
36. DISCREPANCY OVERLAY XX	37. DESCRIPTIVE REPORT M. H. S.	38. FIELD INSPECTION PHOTOGRAPHS WHS	39. FORMS WHS
40. REVIEWER <i>W. H. S. for.</i> William H. Shearouse		SUPERVISOR, REVIEW SECTION OR UNIT Milton M. Slaveney <i>W. H. Slaveney</i>	
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 <i>R. R. Wagner</i> R. R. Wagner		SUPERVISOR M. M. Slaveney <i>W. H. Slaveney</i>	
43. REMARKS			

Field Edit Report - T-12281

No Field Edit Report has been received.

Questions referred to the field editor on the ozalid
Discrepancy Print were answered on the same print during
Sept. 1963.

M. M. S.

M. M. Slavney

TIDE COMPUTATION

PROJECT NO. Ph-21058 T. 12281

Time and date of exposure 0436 4-2-62

Reference station

CHARLESTON

Date of field inspection

Subordinate station

Highway Bridge

5.1
6.0

spring 6.1

Mean range

5.2

Ratio of ranges

4.0 to 6.0

	Time	
	h.	m.
High tide	06	01
Low tide	12	12
Duration of rise or fall	6	11

	Height		Height x Ratio of ranges
	feet		
High tide	5.7	-	5.8
Low tide	-0.7	-	-0.7
Range of tide			6.5

	Time	
	h.	m.
High tide at Ref. Sta.	05	39
Time difference	10	22
Corrected time at Subordinate station	06	01

	Time	
	h.	m.
Low tide at Ref. Sta.	11	57
Time difference	10	15
Corrected time at Subordinate station	12	12

	h.	m.		feet		Photo. No.
Time H. T. or L. T.	12	12	Ht. H. T. or L. T.	-0.7	Feature bares	62-5-4587
Required time	09	36	Tabular correction	2.6	Stage of tide above MLW	
Interval	23	6	Stage of tide above MLW	1.9	Feature above MLW	
Time H. T. or L. T.			Ht. H. T. or L. T.		Feature bares	
Required time			Tabular correction		Stage of tide above MLW	
Interval			Stage of tide above MLW		Feature above MLW	
Time H. T. or L. T.			Ht. H. T. or L. T.		Feature bares	
Required time			Tabular correction		Stage of tide above MLW	
Interval			Stage of tide above MLW		Feature above MLW	
Time H. T. or L. T.			Ht. H. T. or L. T.		Feature bares	
Required time			Tabular correction		Stage of tide above MLW	
Interval			Stage of tide above MLW		Feature above MLW	
Time H. T. or L. T.			Ht. H. T. or L. T.		Feature bares	
Required time			Tabular correction		Stage of tide above MLW	
Interval			Stage of tide above MLW		Feature above MLW	
Time H. T. or L. T.			Ht. H. T. or L. T.		Feature bares	
Required time			Tabular correction		Stage of tide above MLW	
Interval			Stage of tide above MLW		Feature above MLW	

Computed by WHS

Checked by RRW

REVIEW REPORT T-12281 and T-12282
SHORELINE
JANUARY 1966

61. GENERAL STATEMENT

See summary accompanying Descriptive Report (page 6)

62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS

T-12281

T-5178 1:10,000 scale, in 1934 from 1933 photographs

T-5179 " " " " " " "

T-5181 " " " " " " "

T-12282

T-5177 and T-5178 1:10,000 scale in 1934 from 1933 photographs

T-5180 and T-5181 " " " " " " "

An ozalid comparison print is submitted for ^{each;} T-12281, and T-12282, with these differences noted:

T-12281

Another span, south of the old one, has been added to the Ashley River Memorial Bridge. Construction is responsible for changes in the western shoreline of the Ashley River at latitude $32^{\circ} 46.7'$ and on the eastern shoreline at $32^{\circ} 46.4'$ to $32^{\circ} 46.8'$. The shoreline of Newmarket Creek, in the northeast part of this map, has narrowed.

T-12282

Spoil dumping has changed Hog Island and apparently ^{made} Crab Bank. There are some changes in the waterfront of Charleston. Newmarket Creek, north of Charleston has narrowed, and some new islands appear in the southeast part of the map.

There are changes in the pier location and the shoreline of Fort Sumter.

"Dock ruins" on T-5177 at Lat. $32^{\circ} 47.1'$ to $32^{\circ} 47.2'$ and Long. $79^{\circ} 53.0'$ were shown as "oyster bars" by the field inspector and are thus delineated.

These maps supersede the listed prior surveys for nautical chart construction.

63. COMPARISON WITH MAPS OF OTHER AGENCIES

CHARLESTON, S. Carolina U.S.G.S. 1:24,000 1958 is for T-12281 and T-12282.

The new bridge across the Ashley River on T-12281, an island in the southeast part of T-12282, and shoreline changes in other islands are the obvious differences.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS+

BOAT SHEET HFP 10-1-63, 1:10,000, no date, for T-12281 and T-12282

On T-12281 the boat sheet reveals small shifts in positions of oyster bars at Lat. $32^{\circ} 46.3'$ and Long. $79^{\circ} 36.9'$.

On T-12282, the boat sheet shows piling extending southeast, from the shoreline at Lat. $32^{\circ} 47.2'$ Long. $79^{\circ} 52.94'$. Neither the field inspector or the field editor noted these pilings which are indicated on the Comparison Ozalid.

The boat sheet indicates a shore "pier" at Lat. $32^{\circ} 46.95'$, Long. $79^{\circ} 49.5'$ which was compiled on T-12282 and T-12283 as a sewer line. The field editor located 2 piles at the south of the end of "the sewer line" which are on T-12282. A note pertaining to this is on the Comparison Print.

65. COMPARISON WITH NAUTICAL CHARTS

CHART 470 1:20,000 17th Edition of August 16, 1965

T-12281:

Agreement is good. There is however, a "boiler" shown on the chart at Lat. $32^{\circ} 46.15'$, Long. $79^{\circ} 56.77'$ which was not noted by the field inspector, or seen on the photograph; and which was referred to the field editor. He found no evidence of it, and the hydrographer later recommended it for deletion, see copy of letter, which is the next page in this report.

T-12282:

Agreement is good with the following exceptions:

The chart shows a bridge under construction across Town Creek and the Cooper River south of the one shown on T-12282. Construction was obviously begun after photography and after field edit.

UNITED STATES GOVERNMENT

7-12281
U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

Memorandum

TO : Officer-in-Charge, HFP 220
% Norfolk District Officer
102 West Olney Road
Norfolk 10, Virginia

FROM : Lt. (jg) Gerald R. Cichy
222 Cambridge Road
Woburn, Massachusetts

DATE: December 1, 1963

SUBJECT: Submerged Wreck

There was a submerged wreck at Lat 32°46'09", Long 79°56'46" in the Ashley River across from the Coast Guard Base, that the Tampa District Officer asked about. Have you sent them some kind of report on this wreck? If not would you please.

At a low tide I found no evidence of it. The Coast Guard has no knowledge of any obstruction in that area. If you ran lines over the area and found no trace that should be enough to recommend deletion.

Gerald R. Cichy
Gerald R. Cichy

Our sounding lines do not indicate any evidence of the above wreck and it is recommended that it be deleted.

Harold E. McCall
LT, CGGS,

RECEIVED

DEC 16 1963

TAMPA DISTRICT OFFICE
C. & G. S.

65. COMPARISON WITH NAUTICAL CHARTS (Cont.)

The pier at CASTLE PINCKNEY on SHUTES FOLLY ISLAND shows two spurs, as on T-5178 of 1934, T-12282 shows only the "L"; the photographs and the field men gave no evidence of the inner leg of the pier.

The chart shows the shoreline of Newmarket Creek, north of Charleston entering Town Creek, as it was on T-5178 compiled in 1934.

The "piling" on the chart at Lat. $32^{\circ} 47.1$ to $32^{\circ} 47.2$ at Long. 79.53 is discussed in Item 62 and 64 under T-12282.

66. ADEQUACY OF RESULTS AND FUTURE SURVEYS

These surveys comply with the project instructions, and meet the National Standards of Map Accuracy.

No items are noted for future surveys.

Reviewed by:

M. M. Slavney
M. M. Slavney

Approved by:

S. Hollis
for Director, Atlantic Marine Center

Approved by:

Charles Shuman SSB.
Chief, Cartographic Branch
Photogrammetric

Chief, Chart Division

L. F. Woodcock
Chief, Photogrammetry Division

Chief, Operations Division

NOTES TO VERIFIER

T-12281 and T-12282 Project 21058 (Ph-6216)

BOAT SHEET No. HFP 10-1-63

There is a minor discrepancy between the boat sheet and T-12282, see paragraph 3 of Item 64. It is possible that a walkway was erected over part of the sewer line after the field edit was done. Also please note the last three paragraphs in Item 65 (Comparison with Nautical Charts).