

13019

13019

NOAA FORM 76-35 U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL OCEAN SURVEY DESCRIPTIVE REPORT	
Shoreline <i>Type of Survey</i>	
<i>Job No.</i> CM-7212	<i>Map No.</i> T-13019
<i>Classification No.</i>	<i>Edition No.</i> 1
Field Edited	
LOCALITY	
<i>State</i> South Carolina	
<i>General Locality</i> Wando River	
<i>Locality</i> Nowell Creek	
<hr/> 19 72 TO 19 73 <hr/>	
REGISTRY IN ARCHIVES	
DATE	

NOAA FORM 76-36A (3-72)		U. S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMIN.		TYPE OF SURVEY		SURVEY TR. <u>13019</u>	
DESCRIPTIVE REPORT - DATA RECORD				<input checked="" type="checkbox"/> ORIGINAL		MAP EDITION NO. ()	
				<input type="checkbox"/> RESURVEY		MAP CLASS	
				<input type="checkbox"/> REVISED		JOB PH <u>CM-7212</u>	
PHOTOGRAMMETRIC OFFICE				LAST PRECEDING MAP EDITION			
Coastal Mapping Division				TYPE OF SURVEY		JOB PH. _____	
OFFICER-IN-CHARGE				<input type="checkbox"/> ORIGINAL		MAP CLASS _____	
Alfred C. Holmes, Director				<input type="checkbox"/> RESURVEY		SURVEY DATES:	
				<input type="checkbox"/> REVISED		19__ TO 19__	
I. INSTRUCTIONS DATED							
1. OFFICE				2. FIELD			
Aerotriangulation - Nov., 1972 Compilation - Jan., 1973 Amendment I - Mar., 1973				Amendment I - Aug., 1972 (Cancelling PH-6622 and transferring to Job CM-7212) OPR-436-HFP-742-73, June 12, 1973			
II. DATUMS							
1. HORIZONTAL: <input checked="" type="checkbox"/> 1927 NORTH AMERICAN				OTHER (Specify)			
2. VERTICAL: <input checked="" type="checkbox"/> MEAN HIGH-WATER <input type="checkbox"/> MEAN LOW-WATER <input type="checkbox"/> MEAN LOWER LOW-WATER <input type="checkbox"/> MEAN SEA LEVEL				OTHER (Specify)			
3. MAP PROJECTION				4. GRID(S)			
Polyconic				STATE		ZONE	
				South Carolina		South	
5. SCALE				STATE		ZONE	
1:10,000							
III. HISTORY OF OFFICE OPERATIONS							
OPERATIONS				NAME		DATE	
1. AEROTRIANGULATION BY				D. Norman		Dec., 1972	
METHOD: Analytic LANDMARKS AND AIDS BY							
2. CONTROL AND BRIDGE POINTS PLOTTED BY				D. Phillips		Jan., 1973	
METHOD: Coradomat CHECKED BY				D. Phillips		Jan., 1973	
3. STEREOSCOPIC INSTRUMENT PLANIMETRY BY				R.R. White		May, 1973	
COMPILATION CHECKED BY				L.O. Neterer, Jr.		May, 1973	
INSTRUMENT: Wild B-8				CONTOURS BY		NA	
SCALE: 1:15,000				CHECKED BY		NA	
4. MANUSCRIPT DELINEATION PLANIMETRY BY				Charles Parker		May, 1973	
CHECKED BY				S.S. Kumer		May, 1973	
METHOD:				CONTOURS BY		NA	
				CHECKED BY		NA	
SCALE: 1:10,000				HYDRO SUPPORT DATA BY		Charles Parker	
				CHECKED BY		S.S. Kumer	
5. OFFICE INSPECTION PRIOR TO FIELD EDIT BY				S.S. Kumer		May, 1973	
6. APPLICATION OF FIELD EDIT DATA BY				R.R. White		Jan., 1974	
CHECKED BY				A.L. Shands		Jan., 1974	
7. COMPILATION SECTION REVIEW BY				A.L. Shands		Jan., 1974	
8. FINAL REVIEW BY				Bernard Kurs		May, 1974	
9. DATA FORWARDED TO PHOTOGRAMMETRIC BRANCH BY							
10. DATA EXAMINED IN PHOTOGRAMMETRIC BRANCH BY				F. WRIGHT		Aug 1975	
11. MAP REGISTERED - COASTAL SURVEY SECTION BY				P. CATDR		AVG 1975	

COMPILATION SOURCES

T-13019

1. COMPILATION PHOTOGRAPHY

CAMERA(S) Wild RC-8 "E" and RC-9 "M"		TYPES OF PHOTOGRAPHY LEGEND		TIME REFERENCE	
TIDE STAGE REFERENCE		(C) COLOR X (P) PANCHROMATIC X (I) INFRARED	ZONE		<input checked="" type="checkbox"/> STANDARD <input type="checkbox"/> DAYLIGHT
<input checked="" type="checkbox"/> PREDICTED TIDES <input type="checkbox"/> REFERENCE STATION RECORDS <input type="checkbox"/> TIDE CONTROLLED PHOTOGRAPHY			5th		
			MERIDIAN		
			75th		
NUMBER AND TYPE	DATE	TIME	SCALE	STAGE OF TIDE	
72E(C)-6787 & 6788	Oct. 21, 72	09:54 EST	1:30,000	4.2' above MLW	
REMARKS					

2. SOURCE OF MEAN HIGH-WATER LINE:

The mean high water line was compiled from the above listed photograph.

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

None Shown. No low water photography available.

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
H-9409	1973	Boat Sheet			

5. FINAL JUNCTIONS

NORTH	EAST	SOUTH	WEST
No survey	T-13020	T-13022	No survey

REMARKS

HISTORY OF FIELD OPERATIONS

I. FIELD INSPECTION OPERATION FIELD EDIT OPERATION

OPERATION	NAME	DATE
1. CHIEF OF FIELD PARTY	R.S. Tibbetts	Sept., 72
2. HORIZONTAL CONTROL	RECOVERED BY ESTABLISHED BY	R.S. Tibbetts Sept., 72
	PRE-MARKED OR IDENTIFIED BY	None
		R.E. Kesselring Sept., 72
3. VERTICAL CONTROL	RECOVERED BY ESTABLISHED BY	NA
	PRE-MARKED OR IDENTIFIED BY	NA
		NA
4. LANDMARKS AND AIDS TO NAVIGATION	RECOVERED (<i>Triangulation Stations</i>) BY	None
	LOCATED (<i>Field Methods</i>) BY	None
	IDENTIFIED BY	None
5. GEOGRAPHIC NAMES INVESTIGATION	TYPE OF INVESTIGATION <input checked="" type="checkbox"/> COMPLETE BY <input type="checkbox"/> SPECIFIC NAMES ONLY <input type="checkbox"/> NO INVESTIGATION	P.B. Walbolt (See Summary) May 25, 1966
6. PHOTO INSPECTION	CLARIFICATION OF DETAILS BY	
7. BOUNDARIES AND LIMITS	SURVEYED OR IDENTIFIED BY	NA

II. SOURCE DATA

1. HORIZONTAL CONTROL IDENTIFIED		2. VERTICAL CONTROL IDENTIFIED	
PHOTO NUMBER	STATION NAME	PHOTO NUMBER	STATION DESIGNATION
72M-1309	Wando, 1932		

3. PHOTO NUMBERS (*Clarification of details*)

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*)

HISTORY OF FIELD OPERATIONS

I. <input type="checkbox"/> FIELD INSPECTION OPERATION		<input checked="" type="checkbox"/> FIELD EDIT OPERATION	
OPERATION	NAME	DATE	
1. CHIEF OF FIELD PARTY.	James W. Davis	Nov., 1973	
2. HORIZONTAL CONTROL	RECOVERED BY James W. Davis	Nov., 1973	
	ESTABLISHED BY James W. Davis	Nov., 1973	
	PRE-MARKED OR IDENTIFIED BY		
3. VERTICAL CONTROL	RECOVERED BY NA		
	ESTABLISHED BY NA		
	PRE-MARKED OR IDENTIFIED BY NA		
4. LANDMARKS AND AIDS TO NAVIGATION	RECOVERED (<i>Triangulation Stations</i>) BY James W. Davis	Nov., 1973	
	LOCATED (<i>Field Methods</i>) BY James W. Davis	Nov., 1973	
	IDENTIFIED BY James W. Davis	Nov., 1973	
5. GEOGRAPHIC NAMES INVESTIGATION	TYPE OF INVESTIGATION		
	<input type="checkbox"/> COMPLETE		BY
	<input type="checkbox"/> SPECIFIC NAMES ONLY		
	<input type="checkbox"/> NO INVESTIGATION		
6. PHOTO INSPECTION	CLARIFICATION OF DETAILS BY James W. Davis	Nov., 1973	
7. BOUNDARIES AND LIMITS	SURVEYED OR IDENTIFIED BY NA		
II. SOURCE DATA			
1. HORIZONTAL CONTROL IDENTIFIED		2. VERTICAL CONTROL IDENTIFIED	
PHOTO NUMBER	STATION NAME	PHOTO NUMBER	STATION DESIGNATION
3. PHOTO NUMBERS (<i>Clarification of details</i>)			
21 Oct. 72E6787, 6788			
4. LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED			
None			
PHOTO NUMBER	OBJECT NAME	PHOTO NUMBER	OBJECT NAME
5. GEOGRAPHIC NAMES: <input type="checkbox"/> REPORT <input checked="" type="checkbox"/> NONE		6. BOUNDARY AND LIMITS: <input type="checkbox"/> REPORT <input checked="" type="checkbox"/> NONE	
7. SUPPLEMENTAL MAPS AND PLANS			
None			
8. OTHER FIELD RECORDS (<i>Sketch books, etc. DO NOT list data submitted to the Geodesy Division</i>)			
None			

RECORD OF SURVEY USE

T-13019

I. MANUSCRIPT COPIES

COMPILATION STAGES			DATE MANUSCRIPT FORWARDED	
DATA COMPILED	DATE	REMARKS	MARINE CHARTS	HYDRO SUPPORT
Compilation complete pending field edit.	May, 1973	Class III Manuscript <i>Superseded</i>	July 19, 73	July 19/73
Field edit applied Compilation complete	Jan., 1974	Class I Manuscript <i>Superseded</i>	Feb. 6, 73	
Final Review	May, 1974			

II. LANDMARKS AND AIDS TO NAVIGATION

1. REPORTS TO MARINE CHART DIVISION, NAUTICAL DATA BRANCH

NUMBER	CHART LETTER NUMBER ASSIGNED	DATE FORWARDED	REMARKS

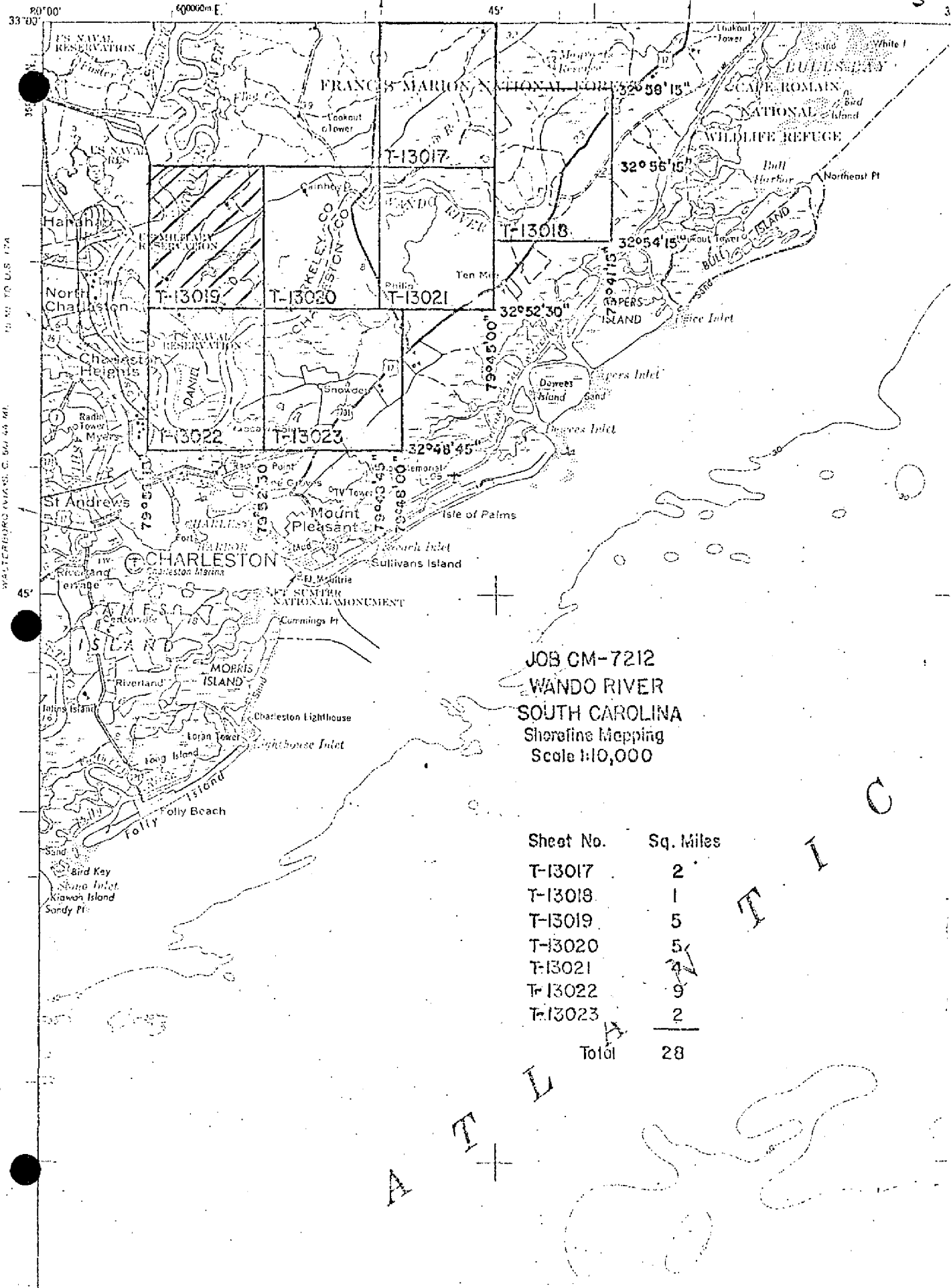
2. REPORT TO MARINE CHART DIVISION, COAST PILOT BRANCH. DATE FORWARDED: _____
 3. REPORT TO AERONAUTICAL CHART DIVISION, AERONAUTICAL DATA SECTION. DATE FORWARDED: _____

III. FEDERAL RECORDS CENTER DATA

1. BRIDGING PHOTOGRAPHS; DUPLICATE BRIDGING REPORT; COMPUTER READOUTS.
 2. CONTROL STATION IDENTIFICATION CARDS; FORM NOS 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)

SECOND EDITION	SURVEY NUMBER TP - _____ (2)	JOB NUMBER PH - _____	TYPE OF SURVEY <input type="checkbox"/> REVISED <input type="checkbox"/> RESURVEY
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	MAP CLASS <input type="checkbox"/> II. <input type="checkbox"/> III. <input type="checkbox"/> IV. <input type="checkbox"/> V. <input type="checkbox"/> FINAL
THIRD EDITION	SURVEY NUMBER TP - _____ (3)	JOB NUMBER PH - _____	TYPE OF SURVEY <input type="checkbox"/> REVISED <input type="checkbox"/> RESURVEY
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	MAP CLASS <input checked="" type="checkbox"/> II. <input type="checkbox"/> III. <input type="checkbox"/> IV. <input type="checkbox"/> V. <input type="checkbox"/> FINAL
FOURTH EDITION	SURVEY NUMBER TP - _____ (4)	JOB NUMBER PH - _____	TYPE OF SURVEY <input type="checkbox"/> REVISED <input type="checkbox"/> RESURVEY
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	MAP CLASS <input type="checkbox"/> II. <input type="checkbox"/> III. <input type="checkbox"/> IV. <input type="checkbox"/> V. <input type="checkbox"/> FINAL



JOB CM-7212
 WANDO RIVER
 SOUTH CAROLINA
 Shoreline Mapping
 Scale 1:10,000

Sheet No.	Sq. Miles
T-13017	2
T-13018	1
T-13019	5
T-13020	5
T-13021	4
T-13022	9
T-13023	2
Total	28

A T L A N T I C

10 W TO U.S. 174
 WATERBURY NAVY C. 941 44 MI.

SUMMARY TO ACCOMPANY
DESCRIPTIVE REPORT T-13019

This shoreline manuscript is one of seven (7) 1:10,000 scale maps. The purpose of the project was to provide contemporary shoreline for nautical chart construction. Copies of this map were also used to provide photogrammetric hydro-support data for the hydrographic surveys to be conducted in the same area.

Field work, prior to compilation consisted of the recovery and identification of horizontal control.

Compilation was by Wild B-8 Stereoplotter, using 1:30,000 scale color photography. Cronaflex positives and ozalids of the manuscript were forwarded for the use of the field editor and the preparation of the hydrographer's boat sheets. Accompanying these were specially prepared ratio photographs to aid in the location of hydrographic signals.

Field edit was accomplished during **November, 1973**

Final review was accomplished at the Atlantic Marine Center **May, 1974**

A cronaflex positive and negative of the reviewed manuscript are being forwarded for record and registry.

A complete geographic names investigation was accomplished under PH-6622 before job was cancelled. Data is in Office of Geographer.

FIELD INSPECTION

TP- 13019

There was no field inspection prior to compilation. Field work accomplished was limited to the recovery and identification of the horizontal control necessary for the aerotriangulation of the project.

PHOTOGRAMMETRIC PLOT REPORT
Wando River, South Carolina
CM - 7212
December 1972

21. AREA COVERED.

This report pertains to seven sheet on Wando River near Charleston, South Carolina. The sheets are T-13017 through T-13023. All sheets are 1:10,000 scale.

22. METHOD.

One strip (72M1304 through 1311) of 1:60,000 scale panchromatic photography was bridged by analytic aerotriangulation methods. This strip was adjusted to South Carolina state plane coordinates south zone, using four premarked control stations.

Points were established on three strips of 1:30,000 scale color photography for setting models for compilation. Points were also established for determining ratios of the color photography.

These points were plotted by the Coradomat.

23. ADEQUACY OF CONTROL.

The control was adequate.

24. SUPPLEMENTAL DATA.

U.S.G.S. topographic quadrangles were used to meet vertical control requirements.

24. PHOTOGRAPHY.

The photography was adequate, however the 1:60,000 scale panchromatic photography had poor image definition.

Respectfully submitted,

Don O. Norman

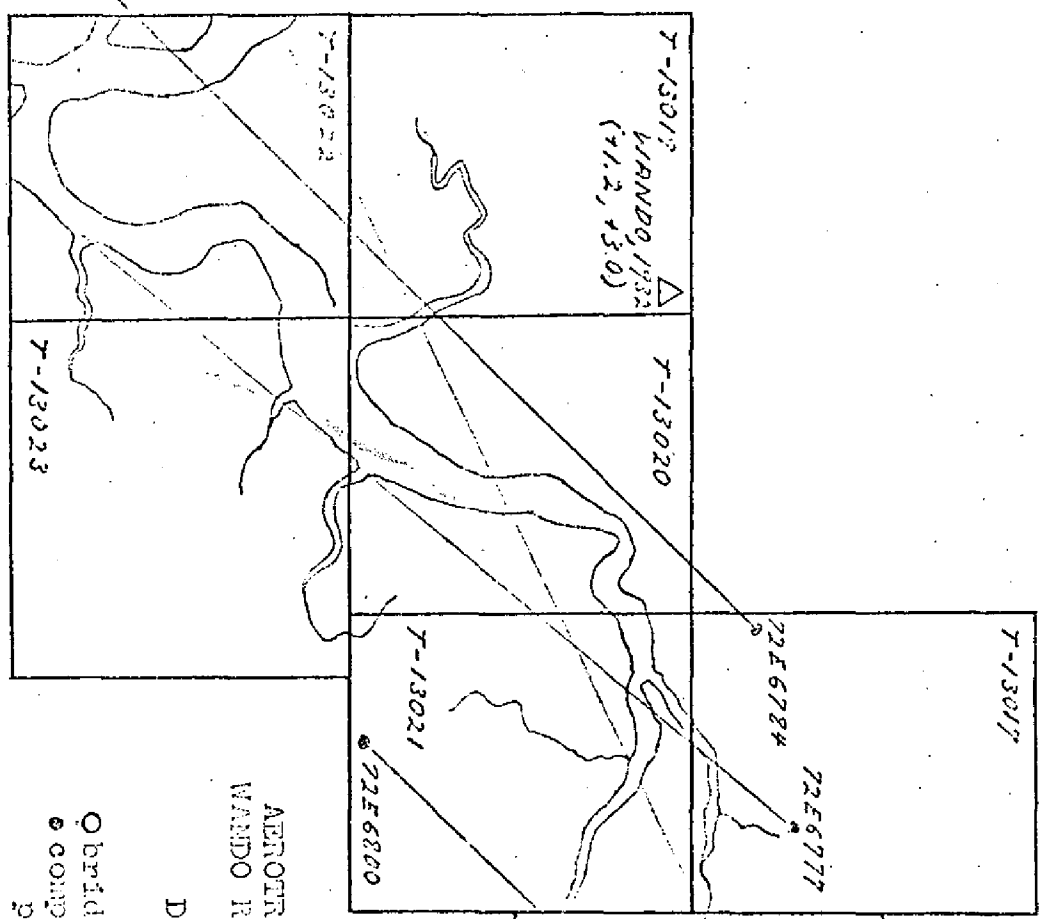
Don O. Norman

Approved and forwarded

John D. Perrow, Jr.

John D. Perrow, Jr.
Chief, Aerotriangulation Section

POINT TERMINAL
TOWER, 1919
(-0.2, -1.5)



72E6788

T-13017

T-13017
WANDO, 1932
(+1.2, +3.0)

T-13020

T-13023

T-13021

T-13022

72E6778

72E6777

72E6800

T-13018

72E6804

(-0.9, +1.2)
MITCHELL POND

(-0.0, -2.8)
SEWER 2, 1963

72E6784

AEROPHOTOREGISTRATION SERVICE
WANDO RIVER SOUTH CAROLINA
CR-7242
December, 1972

○ bridging photography
● compilation and radio
photography

COMPILATION REPORT

T-13019

31. DELINEATION

Delineation was by the Wild B-8 Stereoplotter, using 1:30,000 scale color photography.

32. CONTROL

See Photogrammetric Plot Report, dated: December, 1972.

33. SUPPLEMENTAL DATA

None

34. CONTOURS AND DRAINAGE

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

35. SHORELINE AND ALONGSHORE DETAILS

The mean high water line and alongshore details were delineated from office interpretation of the photographs.

36. OFFSHORE DETAILS

None

37. LANDMARKS AND AIDS

None

38. CONTROL FOR FUTURE SURVEYS

None

39. JUNCTIONS

See form 76-36b, item #5, of the Descriptive Report.

40. HORIZONTAL AND VERTICAL ACCURACY

No statement

46. COMPARISON WITH EXISTING MAPS

A comparison has been made with the following U.S. Geological Survey quadrangle:

North Charleston, SC, dated 1958, scale 1:24,000.

47. COMPARISON WITH NAUTICAL CHARTS

A comparison has been made with the following National Ocean Survey chart:

#470, 23rd Edition, dated: March 4, 1972, scale: 1:20,000.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None

ITEMS TO BE CARRIED FORWARD

None

Submitted by:

CHARLES PARKER

Charles Parker, Carto. Aid, May, 1973

Approved for forwarding:

Albert C. Rauck, Jr.

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

ADDENDUM TO COMPILATION REPORT

T-13019

FIELD EDIT

Field edit was thorough and complete. All questions asked by the compiler were answered.

8 May 1974

GEOGRAPHIC NAMES

FINAL NAME SHEET

PH-6622 (Wando River, S. C.)
CM-7212

T-13019

Beresford Creek

Daniel Island

Dutchman Island

Hopewell Creek

Martin Creek

Nowell Creek

Point Hope Island

Ralston Creek

Rodent Island

Thomas Island

Approved by:

Chas. E. Harrington

Chas. E. Harrington
Staff Geographer

NOAA FORM 75-74 (2-74)		U.S. DEPARTMENT OF COMMERCE NOAA NATIONAL OCEAN SURVEY	
PHOTOGRAMMETRIC OFFICE REVIEW			
T-13019			
1. PROJECTION AND GRIDS	2. TITLE	3. MANUSCRIPT NUMBERS	4. MANUSCRIPT SIZE
SSK	SSK	SSK	SSK
CONTROL STATIONS			
5. HORIZONTAL CONTROL STATIONS OF THIRD-ORDER OR HIGHER ACCURACY	6. RECOVERABLE HORIZONTAL STATIONS OF LESS THAN THIRD-ORDER ACCURACY <i>(Topographic stations)</i>		7. PHOTO HYDRO STATIONS
SSK	NA		NA
8. BENCH MARKS	9. PLOTTING OF SEXTANT FIXES	10. PHOTOGRAMMETRIC PLOT REPORT	11. DETAIL POINTS
NA	NA	SSK	SSK
ALONGSHORE AREAS (Nautical Chart Data)			
12. SHORELINE	13. LOW-WATER LINE	14. ROCKS, SHOALS, ETC.	15. BRIDGES
	NA	NA	NA
16. AIDS TO NAVIGATION	17. LANDMARKS	18. OTHER ALONGSHORE PHYSICAL FEATURES	19. OTHER ALONGSHORE CULTURAL FEATURES
NA	NA	SSK	SSK
PHYSICAL FEATURES			
20. WATER FEATURES	21. NATURAL GROUND COVER		22. PLANETABLE CONTOURS
SSK	NA		NA
23. STEREOSCOPIC INSTRUMENT CONTOURS	24. CONTOURS IN GENERAL	25. SPOT ELEVATIONS	26. OTHER PHYSICAL FEATURES
NA	NA	NA	SSK
CULTURAL FEATURES			
27. ROADS	28. BUILDINGS	29. RAILROADS	30. OTHER CULTURAL FEATURES
NA	SSK	SSK	SSK
BOUNDARIES			
31. BOUNDARY LINES		32. PUBLIC LAND LINES	
NA		NA	
MISCELLANEOUS			
33. GEOGRAPHIC NAMES		34. JUNCTIONS	35. LEGIBILITY OF THE MANUSCRIPT
SSK		SSK	SSK
36. DISCREPANCY OVERLAY	37. DESCRIPTIVE REPORT	38. FIELD INSPECTION PHOTOGRAPHS	39. FORMS
SSK	SSK	SSK	SSK
40. REVIEWER		SUPERVISOR, REVIEW SECTION OR UNIT	
Susan S. Kumer May 18, 1973		<i>Albert C. Rauck, Jr.</i> 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 <i>Richard R. White</i> Jan., 1974 <i>U. L. Shands</i>		SUPERVISOR <i>Albert C. Rauck, Jr.</i> Albert C. Rauck, Jr.	
Reviewer: A. L. Shands Jan., 1974			
43. REMARKS			
Field edit was applied from the field edit ozalid and matte photos 72E(C)6787 and 6788.			

T-13019

SPECIAL NOTE FOR THE FIELD EDITOR

JOB CM-7212

WANDO RIVER, SC

This compilation office believes that much of the marsh as shown on the NOS Charts and the USGS Quadrangles have receded or have been drained and dried up; and may not be as extensive as shown.

The map compilations indicate marsh areas much smaller in area. Therefore, all marsh areas should be verified and indicated on the matte field ratio photographs.

FIELD EDIT REPORT

Sheet T-13019

Beresford Creek

Wando River, South Carolina

CM-7212

November, 1973

51. METHODS

All field edit work was done under the instructions of Photo-Hydro support and field edit, OPR-436-HFP-742-73, Wando River South Carolina.

A visual inspection and verification was made of all shoreline and alongshore features. Details are indexed on the field edit ozalid in violet to indicate additions or corrections and in green to indicate deletions.

52. ADEQUACY OF COMPILATION

Compilation was adequate in shoreline delineation as checked by traverse stations located in many instances on the apparent shoreline along the wide portion of Nowell Creek. Delineation of marsh areas of this sheet was not always correct. The marsh areas of this sheet were rather "wet" instead of "dried up", as was the opinion of the compiler. Different color tones on the photography represent different types of marsh grass. The inshore marsh limits are delineated in violet on the field edit photographs.

54. RECOMMENDATIONS

None.

56. GEOGRAPHIC NAMES

Some uncertainty existed in the limits of Nowell Creek and Beresford Creek as to where the two met. This matter is clarified on the field edit ozalid. Also, Hopewell Creek was incorrectly called Sanders Creek. No other discrepancies in geographic names were encountered while field editing this sheet.

57. LANDMARKS AND NONFLOATING AIDS TO NAVIGATION

No landmarks or nonfloating aids to navigation are recommended for charting on this sheet.

58. MISCELLANEOUS

All times mentioned on the field edit ozalid and photos refer

to Greenwich Mean Time.

Respectfully Submitted,

James W. Davis

James W. Davis
LTJG. NOAA
Chief, Photo Party 61

REVIEW REPORT T-13019

SHORELINE

MAY, 1974

61. GENERAL STATEMENT:

See Summary which is page six (6) of the Descriptive Report.

62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS:

Comparison was made with Surveys T-5171, T-5172, T-5174 and T-5175. These surveys are 1:10,000 scale with 1933 photography.

There is good general agreement.

Survey T-13019 supersedes the above mentioned surveys for nautical chart construction.

63. COMPARISON WITH MAPS OF OTHER AGENCIES:

Comparison was made with U.S.G.S. Quadrangle North Charleston, SC, 1:24,000 scale, dated 1958. There is good general agreement.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS:

Comparison was made with Boat Sheet H-9409, 1:10,000 scale, dated 1973. There is excellent agreement.

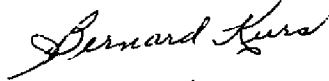
65. COMPARISON WITH NAUTICAL CHARTS:

Comparison was made with Chart 470, 1:20,000 scale, dated March 16, 1974. There is good general agreement.

66. ADEQUACY OF RESULTS AND FUTURE SURVEYS:

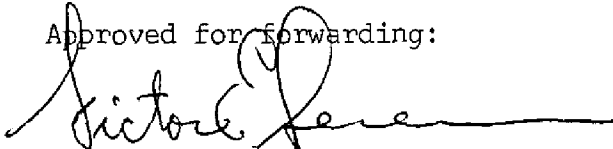
This survey complies with instructions and meets the National Standards of Map Accuracy.

Reviewed by:



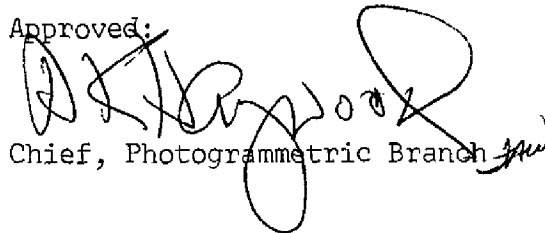
Bernard Kurs
Cartographer

Approved for forwarding:



Victor E. Serena
Chief, Photogrammetric Branch, AMC

Approved:



Chief, Photogrammetric Branch



Chief, Coastal Mapping Division