

13017

13017

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-7212 Map No. T-13017

Classification No. Edition No. ... 1

Field Edited

LOCALITY

State .. South Carolina

General Locality .. Wando River

Locality .. Guerin Creek

1972 TO 19 73

REGISTRY IN ARCHIVES

DATE

DESCRIPTIVE REPORT - DATA RECORD

TYPE OF SURVEY

ORIGINAL
 REVISED

SURVEY T-13017
JOB CM PH- 7212

PHOTOGRAMMETRIC OFFICE

Coastal Mapping Division, Norfolk, VA

OFFICER-IN-CHARGE

Jeffrey G. Carlen, CDR, NOAA

FOR REVISED SURVEY USE ONLY

ORIGINAL SURVEY DATA:

JOB PH - _____
DATES: 19____ TO 19____

I. INSTRUCTIONS DATED

1. OFFICE

Aerotriangulation - Nov., 1972
Compilation - Jan., 1973
Amendment I - Mar., 1973

2. FIELD

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: 1927 NORTH AMERICAN

OTHER (Specify)

2. VERTICAL: MEAN HIGH-WATER
 MEAN LOW-WATER
 MEAN LOWER LOW-WATER
 MEAN SEA LEVEL

OTHER (Specify)

3. MAP PROJECTION

Polyconic

4. GRID(S)

STATE South Carolina ZONE South

5. SCALE

1:10,000

STATE ZONE

III. HISTORY OF OFFICE OPERATIONS

OPERATIONS	NAME	DATE
1. AEROTRIANGULATION BY METHOD: Analytic LANDMARKS AND AIDS BY	D. Norman	Dec., 1972
2. CONTROL AND BRIDGE POINTS PLOTTED BY METHOD: Coradomat CHECKED BY	D. Phillips D. Phillips	Jan., 1973 Jan., 1973
3. STEREOSCOPIC INSTRUMENT PLANIMETRY BY COMPILATION CHECKED BY INSTRUMENT: Wild B8 SCALE: 1:15,000 CONTOURS BY CHECKED BY	R.R. White L.O. Neterer, Jr. NA NA	May, 1973 May, 1973
4. MANUSCRIPT DELINEATION PLANIMETRY BY CHECKED BY METHOD: CONTOURS BY CHECKED BY SCALE: 1:10,000 HYDRO SUPPORT DATA BY CHECKED BY	W.C. Gilbert L.O. Neterer, Jr. NA NA W.C. Gilbert L.O. Neterer, Jr.	May, 1973 May, 1973 May, 1973 May, 1973
5. OFFICE INSPECTION PRIOR TO FIELD EDIT BY	L.O. Neterer, Jr.	May, 1973
6. APPLICATION OF FIELD EDIT DATA BY CHECKED BY	R.R. White A.L. Shands	Jan, 1974 Jan, 1974
7. COMPILATION SECTION REVIEW BY	A.L. Shands	Feb., 1974
8. FINAL REVIEW BY	B. Kurs, AMC	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	R. CATDK	AUG 1975

COMPILATION SOURCES
T-13017

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	ZONE	<input checked="" type="checkbox"/> STANDARD
<input checked="" type="checkbox"/> PREDICTED TIDES <input type="checkbox"/> REFERENCE STATION RECORDS <input type="checkbox"/> TIDE CONTROLLED PHOTOGRAPHY		(I) INFRARED		5th	<input type="checkbox"/> DAYLIGHT
				MERIDIAN	
				75th	

NUMBER AND TYPE	DATE	TIME	SCALE	STAGE OF TIDE
72E(C)-6776 - 6777	Oct/21/72	09:45	1:30,000	4.4' above MLW
72E(C)-6784	Oct/21/72	09:54	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 photographs.

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

No mean low water line was shown as no mean low water photography was 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-9408	1973	Boat Sheet			

5. FINAL JUNCTIONS

NORTH	EAST	SOUTH	WEST
No survey	T-13018	T-13021	No survey

REMARKS

T-13017
HISTORY OF FIELD OPERATIONS

I. FIELD INSPECTION OPERATION FIELD EDIT OPERATION

OPERATION	NAME	DATE
1. CHIEF OF FIELD PARTY	R.S. Tibbitts	Sept., 1972
2. HORIZONTAL CONTROL RECOVERED BY ESTABLISHED BY PRE-MARKED OR IDENTIFIED BY	None None None	
3. VERTICAL CONTROL RECOVERED BY ESTABLISHED BY PRE-MARKED OR IDENTIFIED BY	NA NA NA	
4. LANDMARKS AND AIDS TO NAVIGATION RECOVERED (<i>Triangulation Stations</i>) BY LOCATED (<i>Field Methods</i>) BY IDENTIFIED BY	None None 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	
None		NA	
PHOTO NUMBER	STATION NAME	PHOTO NUMBER	STATION DESIGNATION

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*)

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T-13017
HISTORY OF FIELD OPERATIONS

I. FIELD INSPECTION OPERATION FIELD EDIT OPERATION

OPERATION	NAME	DATE
1. CHIEF OF FIELD PARTY	James W. Davis	Dec., 1973
2. HORIZONTAL CONTROL	James W. Davis	Dec., 1973
RECOVERED BY	James W. Davis	Dec., 1973
ESTABLISHED BY	James W. Davis	Dec., 1973
PRE-MARKED OR IDENTIFIED BY		
3. VERTICAL CONTROL		
RECOVERED BY		
ESTABLISHED BY		
PRE-MARKED OR IDENTIFIED BY		
4. LANDMARKS AND AIDS TO NAVIGATION	James W. Davis	Dec., 1973
RECOVERED (Triangulation Stations) BY	James W. Davis	Dec., 1973
LOCATED (Field Methods) BY	James W. Davis	Dec., 1973
IDENTIFIED BY		
5. GEOGRAPHIC NAMES INVESTIGATION		
TYPE OF INVESTIGATION		
<input type="checkbox"/> COMPLETE		
<input type="checkbox"/> SPECIFIC NAMES ONLY		
<input checked="" type="checkbox"/> NO INVESTIGATION		
6. PHOTO INSPECTION	James W. Davis	Dec., 1973
CLARIFICATION OF DETAILS BY		
7. BOUNDARIES AND LIMITS		
SURVEYED OR IDENTIFIED BY		

II. SOURCE DATA

1. HORIZONTAL CONTROL IDENTIFIED		2. VERTICAL CONTROL IDENTIFIED	
PHOTO NUMBER	STATION NAME	PHOTO NUMBER	STATION DESIGNATION

3. PHOTO NUMBERS (Clarification of details)
21 Oct. 72E6776

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
None

8. OTHER FIELD RECORDS (Sketch books, etc. DO NOT list data submitted to the Geodesy Division)
None

RECORD OF SURVEY USE

T-13017

I. MANUSCRIPT COPIES

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

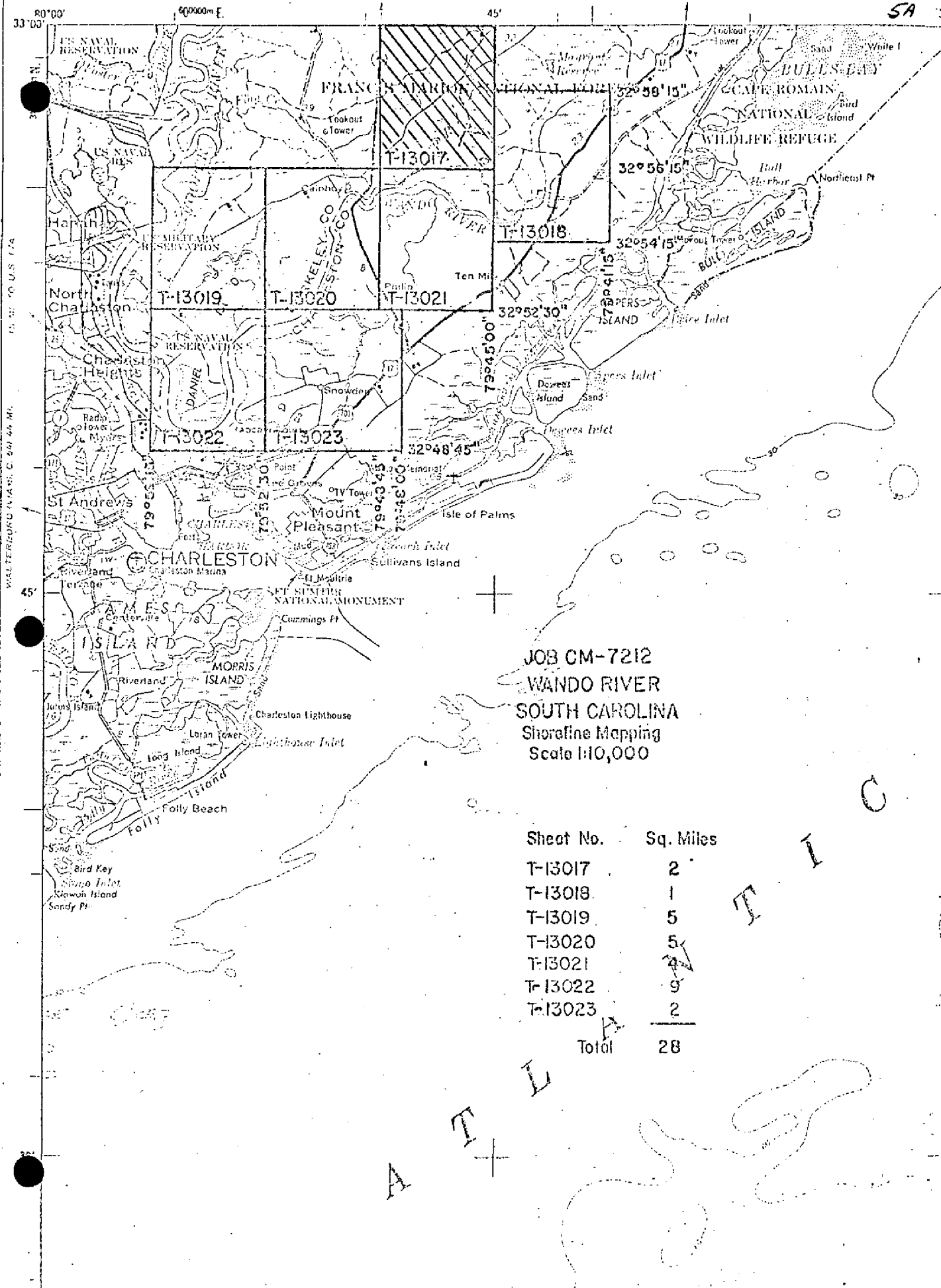
2. REPORT TO MARINE CHART DIVISION, COAST PILOT BRANCH. DATE FORWARDED: _____
3. REPORT TO AERONAUTICAL CHART DIVISION, AERONAUTICAL DATA SECTION. DATE FORWARDED: _____

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



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
 +
 I C

WALTERDORF N 43° 54' 44" W

SUMMARY TO ACCOMPANY
DESCRIPTIVE REPORT T-13017

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 **December, 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

T-13017

There was no field inspection prior to compilation.

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

21. AREA COVERED.

This report pertains to seven sheets 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,

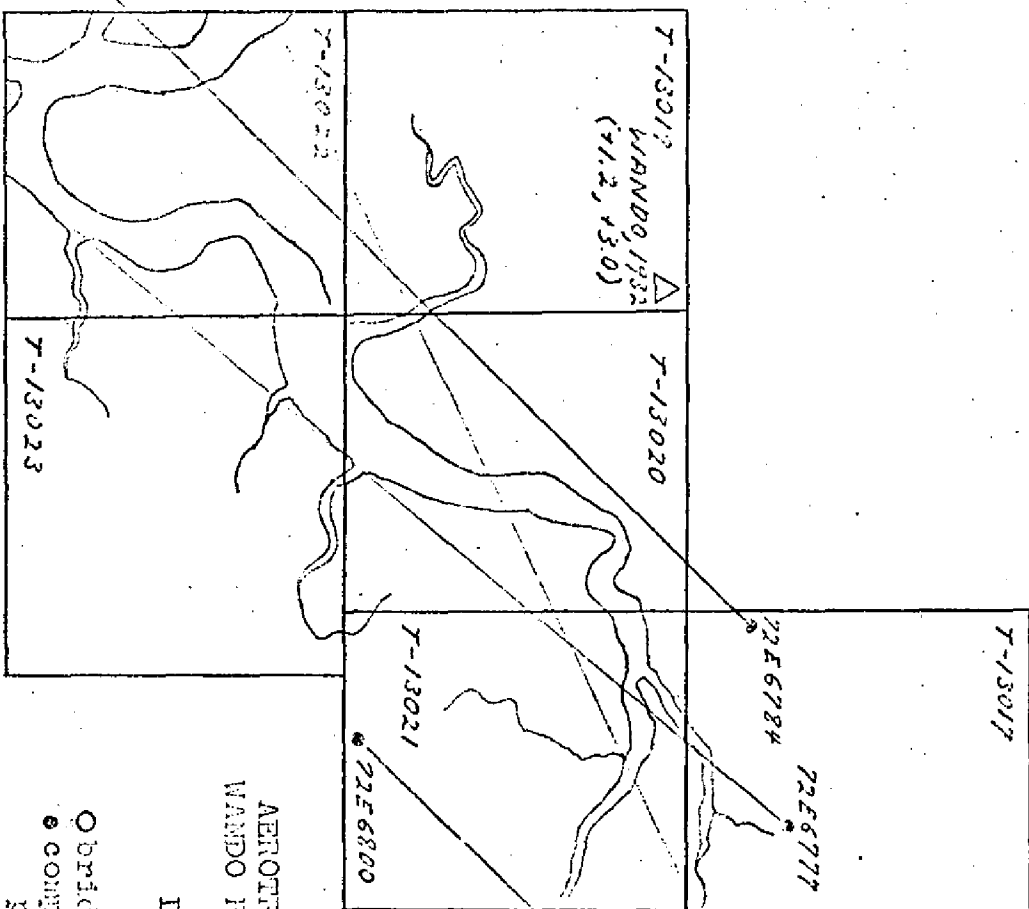
Don O. Norman

Don O. Norman

Approved and forwarded

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

POINT TERNUMAL
TRAIL, 1919
(-0.4, -1.5)



72E5768

(-0.9, 41.2) 72N1304
MITCHELL, 1924

(-0.0, -2.8)
SENECA, 1963

AEROPHOTRIANGULATION SKETCH
WANDO RIVER SOUTH CAROLINA
CG-7242
December, 1972
○ bridging photography
● compilation and rectification
photography

COMPILATION REPORT

T-13017

31. DELINEATION

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

Photographic coverage was adequate. There was no field inspection prior to compilation.

32. CONTROL

See the attached Photogrammetric Plot Report, dated: December, 1972.

33. SUPPLEMENTAL DATA

None

34. CONTOURS AND DRAINAGE

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

35. SHORELINE AND ALONGSHORE DETAILS

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

The mean high water line was delineated from 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:

CAINHOY, SC Scale 1:24,000, dated 1958.

47. COMPARISON WITH NAUTICAL CHARTS

A comparison has been made with the following National Ocean Survey chart: 681, fourth edition, dated, February 24, 1969.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None

ITEMS TO BE CARRIED FORWARD

None

Submitted by:

W.C. Gilbert
W.C. Gilbert

Cartographic Aid, May, 1973

Approved for forwarding:

Albert C. Rauck, Jr.

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

ADDENDUM TO COMPILATION REPORT

T-13017

FIELD EDIT

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

8 May 1974

GEOGRAPHIC NAMES

FINAL NAME SHEET

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

T-13017

Guerin Bridge

Guerin Creek

Lachicotte Creek

Lachicotte Landing

Murphy Island

Old House Creek

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-13017			
1. PROJECTION AND GRIDS LON, Jr.	2. TITLE LON, Jr.	3. MANUSCRIPT NUMBERS X X	4. MANUSCRIPT SIZE LON, Jr.
CONTROL STATIONS			
5. HORIZONTAL CONTROL STATIONS OF THIRD-ORDER OR HIGHER ACCURACY X X		6. RECOVERABLE HORIZONTAL STATIONS OF LESS THAN THIRD-ORDER ACCURACY (Topographic stations) NA	7. PHOTO HYDRO STATIONS NA
8. BENCH MARKS NA	9. PLOTTING OF SEXTANT FIXES	10. PHOTOGRAMMETRIC PLOT REPORT LON, Jr.	11. DETAIL POINTS
ALONGSHORE AREAS (Nautical Chart Data)			
12. SHORELINE LON, Jr.	13. LOW-WATER LINE X X	14. ROCKS, SHOALS, ETC. X X	15. BRIDGES LON, Jr.
16. AIDS TO NAVIGATION X X	17. LANDMARKS X X	18. OTHER ALONGSHORE PHYSICAL FEATURES LON, Jr.	19. OTHER ALONGSHORE CULTURAL FEATURES
PHYSICAL FEATURES			
20. WATER FEATURES LON, Jr.		21. NATURAL GROUND COVER NA	22. PLANETABLE CONTOURS NA
23. STEREOSCOPIC INSTRUMENT CONTOURS NA	24. CONTOURS IN GENERAL NA	25. SPOT ELEVATIONS NA	26. OTHER PHYSICAL FEATURES LON, Jr.
CULTURAL FEATURES			
27. ROADS LON, Jr.	28. BUILDINGS X X	29. RAILROADS X X	30. OTHER CULTURAL FEATURES X X
BOUNDARIES			
31. BOUNDARY LINES NA		32. PUBLIC LAND LINES NA	
MISCELLANEOUS			
33. GEOGRAPHIC NAMES LON, Jr.		34. JUNCTIONS LON, Jr.	35. LEGIBILITY OF THE MANUSCRIPT LON, Jr.
36. DISCREPANCY OVERLAY LON, Jr.	37. DESCRIPTIVE REPORT LON, Jr.	38. FIELD INSPECTION PHOTOGRAPHS X X	39. FORMS LON, Jr.
40. REVIEWER L.O. Neterer, Jr. <i>Lawell Neterer Jr.</i>		SUPERVISOR, REVIEW SECTION OR UNIT Albert C. Rauck, Jr. <i>Albert C. Rauck Jr.</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 R.R. White Jan, 1974 <i>R.R. White</i>		SUPERVISOR <i>Albert C. Rauck Jr.</i>	
Reviewer: A.L. Shands Feb., 1974		Albert C. Rauck, Jr.	
43. REMARKS Field edit applied from the edit ozalid and matte photograph 72E(C)-6776.			

T-13017

SPECIAL NOTE FOR THE FIELD EDITOR

CM
Job ~~711~~-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.

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FIELD EDIT REPORT

Sheet T-13017

Guerin Creek

Wando River, South Carolina

CM-7212
December, 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 occasional distances to the apparent shoreline or high water line, whichever applicable. Delineation of marsh areas 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 represented different types of marsh grass. The inshore marsh limits are delineated in violet on the field edit photographs.

54. RECOMMENDATIONS

None.

56. GEOGRAPHIC NAMES

After field investigation, "Wando Club", as compiled on ozalid was found to be the name of a hunting club and not a geographic name.

57. LANDMARKS AND NONFLOATING AIDS TO NAVIGATION

None

58. MISCELLANEOUS

(Continued on page 2)

(2)

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-13017

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 Survey T-5548 at 1:10,000 scale. No date of the survey is given but the photography was done in 1934. There is generally good agreement with the exception of the back limits of marsh. The differences are noted on the discrepancy print in blue.

Survey T-13017 supersedes T-5548 for nautical chart construction.

63. COMPARISON WITH MAPS OF OTHER AGENCIES:

Comparison was made with U.S.G.S. Quadrangle Cainhoy, SC, at 1:24,000 scale dated 1958. There is good general agreement. The back limits of marsh seem to follow the five foot contour on the quadrangle. Differences are shown on the discrepancy overlay in brown.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS:

Comparison was made with Boat Sheet H-9408 at 1:10,000 scale, dated 1973. There is excellent agreement.

65. COMPARISON WITH NAUTICAL CHARTS:

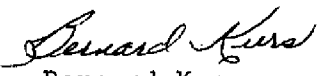
Comparison was made with Chart 681, 1:20,000 scale, dated, Jan. 27, 1973. General shapes appear similar but there seems to be a datum shift north. The marsh back limits differ. All differences are shown on the ~~discrepancy~~ ^{comparison} print in red.

66. ADEQUACY OF RESULTS AND FUTURE SURVEYS:

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

T-13017

Reviewed by:



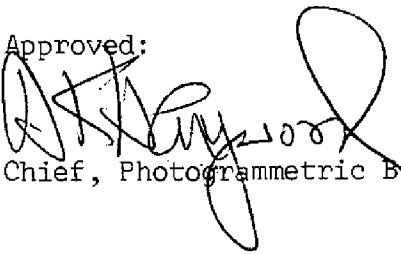
Bernard Kurs
Cartographer

Approved for forwarding:



Victor E. Serena
Chief, Photogrammetric Branch, AMC

Approved:



Chief, Photogrammetric Branch



Chief, Coastal Mapping Division

57'30"

- chart 681
- T-5548 Reg
- Quad Cambridge, SC

57'

2 E(C)-6784

56'30"

784902
Marsh

32° 56' 15" Ma

79° 48' 30"

48'

X=2,370,000 FT

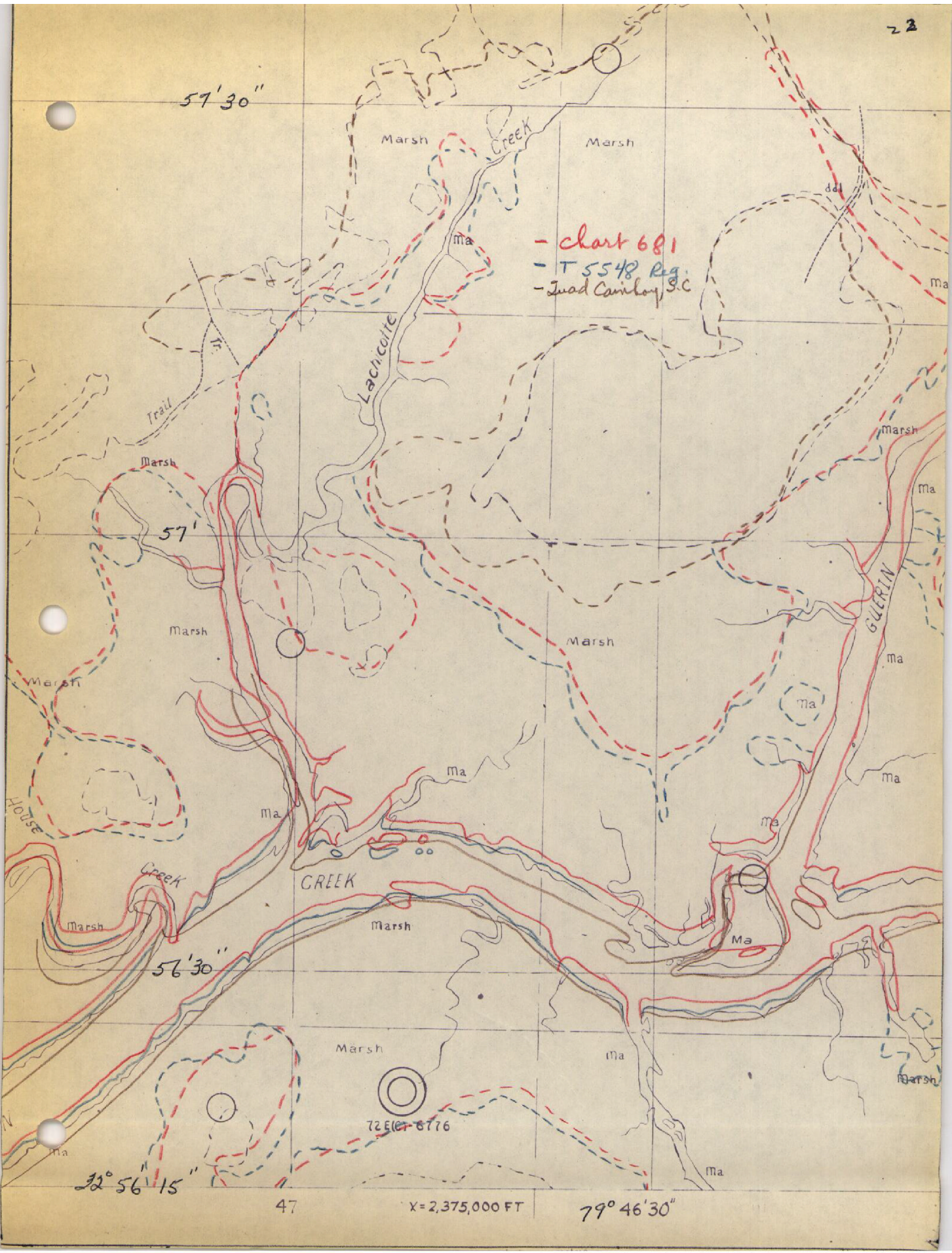
47'30"

X=2,365,000 FT



57'30"

- chart 681
- T 5548 Reg.
- Quad Caribou 3.C



57'

56'30"

32° 56' 15"

47

X = 2,375,000 FT

79° 46' 30"



57'30"

Y=410,000 FT

57'

56'30"

Y=405,000 FT

32°56'15"

79°45'00"

77790

46'

X = 2,380,000 FT

45'30"

- chart 681
 - T-5548 Reg.
 - Quad. Carthage, S.C.