

12826 THRU 12832

12832

THRU

12826

Diag. Cht. Nos. 1, 1240-2 & Insert.

FORM C&GS-504

U.S. DEPARTMENT OF COMMERCE
ENVIRONMENTAL SCIENCE SERVICES ADMINISTRATION
COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT

Type of Survey Chart Compilation
T-12826 thru
Field No. Ph-6501 Office No. T-12632
(Chart 634 S.C.)

LOCALITY

State South Carolina - Georgia
General locality Savannah River
Locality Savannah to Pfeiffers Landing

1964-65

CHIEF OF PARTY
J.K.Wilson, Chief of Field Party
J.Bull, Portsmouth Photo. Office

LIBRARY & ARCHIVES

DATE November 1967

FORM C&GS-181a
(12-61)U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEYT-12826N T-12828N
T-12826S T-12828S
T-12827

DESCRIPTIVE REPORT - DATA RECORD

T-12829 T-12832N
T-12830 T-12832S
T-12831

PROJECT NO. (II):

21510 PH 6501

FIELD OFFICE (III):

STATESBORO, GEORGIA

CHIEF OF PARTY

J. K. WILSON

PHOTOGRAMMETRIC OFFICE (III):

PORTSMOUTH, VA. (NORFOLK REGIONAL OFFICE)

OFFICER-IN-CHARGE

J. BULL

INSTRUCTIONS DATED (II) (III):

FIELD	Dec. 16, 1964
OFFICE	May 14, 1965
GENERAL (PROVISIONAL)	Revised (not dated) received June 4, 1965
SUPPLEMENTAL	June 1, 1965
LETTER (SECURITY AREA)	Feb. 8, 1965

METHOD OF COMPILATION (III):

KELSH PLOTTER, WILD B-8, AND GRAPHIC

MANUSCRIPT SCALE (III):

1:20,000

STEREOSCOPIC PLOTTING INSTRUMENT SCALE (III):

1:6,000 (KELSH) 1:5,000 (WILD B-8)

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 MERCATOR PROJECTION

VERTICAL DATUM (III):

~~MEAN-SEA-LEVEL-EXCEPT-AS-FOLLOWS:~~ MHW
 Elevations shown as (25) refer to mean high water
 Elevations shown as (5) refer to sounding datum
 i.e., mean low water or mean lower low water

REFERENCE STATION (III):

PURRY, 1932

LAT.:

32° 16' 17.628" ✓

LONG.:

81° 06' 49.524" ✓



ADJUSTED



UNADJUSTED

PLANE COORDINATES (IV):

y = 159,455.03 ✓

x = 1,964,836.72 ✓

STATE

S. CAROLINA

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.

FORM C&GS-181b
(12-61)U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT - DATA RECORD

(CHART 634) S.C.

FIELD INSPECTION BY (II):

E. W. HARTFORD

REFER TO TRANSMITTAL letter
copies in back of report for
list of field photos

DATE:

MARCH 1965

MEAN HIGH WATER LOCATION (III) (STATE DATE AND METHOD OF LOCATION):

AIR PHOTO COMPILATION

DATES OF PHOTOGRAPHY:

PAN.
OCT. 30, 1964
NOV. 21, 1964COLOR
NOV. 21, 1964
FEB. 27, 1965

PROJECTION AND GRIDS RULED BY (IV):

MERCATOR - A.J.L. (WASHINGTON SCIENCE CENTER)
STATE GRIDS - K. BOLYE

DATE

MAY, 1965
JUNE, 1965

PROJECTION AND GRIDS CHECKED BY (IV):

MERCATOR - J.E.G. (WASHINGTON SCIENCE CENTER)
STATE GRIDS - H. J. CORDELL * see below

DATE

MAY, 1965
JUNE, 1965

CONTROL PLOTTED BY (III):

K. BOYLE
H. J. CORDELL
B. BARGE

DATE

JUNE, 1965

CONTROL CHECKED BY (III):

H. J. CORDELL
K. BOYLE
L. SULLIVAN

DATE

JUNE, 1965

RADIAL PLOT OR STEREOSCOPIC CONTROL EXTENSION BY (III):
(WASHINGTON SCIENCE CENTER)

DATE

MAY, JUNE, 1965

STEREOSCOPIC INSTRUMENT COMPILATION (III):

B. BARNES L. SULLIVAN
C. BLOOD B. WILSON
L. NETERER K. BOYLE
H. CORDELL
A. SANTILLAN

PLANIMETRY

DATE

JULY, 1965

CONTOURS

DATE

MANUSCRIPT DELINEATED BY (III):

same as above listed

DATE

July, Aug., 1965

SCRIBING BY (III):

R. SMITH, B. BARNES, L. SULLIVAN, C. BLOOD, A. SANTILLAN, B. BARGE

DATE

Aug., Sept., 1965

PHOTOGRAMMETRIC OFFICE REVIEW BY (III):

R. SMITH, A. RAUCK, JR., C. BISHOP, L. GRAVES

DATE

JULY-AUG., 1965
SEPT.-OCT., 1965

REMARKS:

f DATA FOR THIS CHART COMPILATION IS COMPOSED OF TEN T-SHEETS: T-12826N through
T-12832S, FROM LATITUDE 32° 01' TO LATITUDE 32° 47'* plotted state grid intersections were furnished
the Marine Chart Division. They are not included
on the registered maps
sgb

DESCRIPTIVE REPORT - DATA RECORD

(CHART 634) S.C.

CAMERA (KIND OR SOURCE) (III):

SINGLE LENS TYPE "S"

PHOTOGRAPHS (III)

NUMBER	DATE	TIME	SCALE	STAGE OF TIDE
64 S(C) 935A thru 959A	Nov. 21, 1964	10:37 thru 10:47	1:10,000	8.0'
64 S(C) 959A thru 1103A	"	10:47 thru 11:42	"	ABOVE POINT OF ESTIMATED TIDE WATER*
64 S 1323A thru 1335A	Nov. 21, 1964	13:47	1:30,000	3.1'***
64 S 1336A thru 1339A	"	13:51	"	*ABOVE POINT
64 S 1408A thru 1410A	"	14:38	"	4.1'***
64 S 1411A thru 1416A	"	14:41	"	2.5'****
64 S 1397A thru 1404A	"	14:35	"	* ABOVE POINT
64 S 1404A thru 1406A	"	14:37	"	4.1' ***
64 S 1348A thru 1380A	"	14:00-14:17	"	* ABOVE POINT
64 S 9500 thru 9503	Oct. 13, 1964	12:12	"	* " "
64 S 9665 thru 9674	"	13:41	"	* " "

PREDICTED TIDE (III)

	RATIO OF RANGES	MEAN RANGE	SPRING RANGE
REFERENCE STATION: SAVANNAH, GA **		7.4'	8.6'
UBORDINATE STATION: ATLANTIC COASTLINE R. R. BRIDGE ***		6.2'	7.2'
SUBORDINATE STATION: PORT WENTWORTH ****		7.0'	8.1'

WASHINGTON OFFICE REVIEW BY (IV):

FINAL M.M. SLAVNEY
*** See below L.F. Beugnot NORFOLK REGIONAL OFF*

DATE:

Dec, 1965 Jan 1966

PROOF EDIT BY (IV):

DATE:

Jan. 1966

NUMBER OF TRIANGULATION STATIONS SEARCHED FOR (III):

32

RECOVERED:

18

IDENTIFIED:

18

NUMBER OF BM(S) SEARCHED FOR (III):

None

RECOVERED:

None

IDENTIFIED

None

NUMBER OF RECOVERABLE PHOTO STATIONS ESTABLISHED (III):

None

NUMBER OF TEMPORARY PHOTO HYDRO STATIONS ESTABLISHED (III):

None

REMARKS:

* CHART DIVISION DATA INDICATES THE TIDES ARE NON-PERCEPTIBLE AT A POINT 44.8 MILES UPSTREAM FROM THE MOUTH OF THE SAVANNAH RIVER. AT 34.8 MILES FROM THE MOUTH OF THE SAVANNAH RIVER, THERE IS A 1.5' to 2.0' MEAN RANGE OF TIDE. THESE CONDITIONS EXIST ONLY DURING NORMAL RIVER CONDITIONS.

** S.G. BLANKENBAKER APRIL 1966

NOTE: Comparison Prints & CSI ^{cards} stored in Federal Records center

T-12826N/2 THROUGH T-12832S/2

(CHART 634) S.C.

COMPILATION RECORD

COMPLETION DATE

REMARKS

PRELIMINARY	July, 1965	SUPERCEDED
FIELD EDIT APPLIED	August, 1965	

PART 2

PROJECT 21510 CHART TOPOGRAPHY

SAVANNAH TO AUGUSTA
Georgia & S. Carolina

SCALE, 1:20,000

T-12826
N/2

T-12826
S/2

T-12827

T-12828
N/2

T-12828
S/2

T-12829

T-12830

T-12831

T-12832
N/2

T-12832
S/2

TIDE SUB. STA. PORT
WENTWORTH

SAVANNAH

TIDE REF. STA. SAVANNAH

82° 00'

81° 45'

81° 30'

81° 15'

81° 00'

32° 00'

32° 15'

CHART
634(S.C.)
Middle Lat.
32° 25'

OFFICIAL MILEAGE FOR COST ACCOUNTS

Sheet Number	Area Sq. Mi.	Shoreline Lin. Mi.
T-12826 N/2	16	34
T-12826 S/2	16	20
T-12827	19	19
T-12828 N/2	14	18
T-12828 S/2	14	11
T-12829	22	24
T-12830	17	24
T-12831	17	20
T-12832 N/2	27	42
T-12832 S/2	27	33
Part 2 Totals	189	245

44.8 miles from mouth
of Savannah River.
Limit of Tide.

TIDE SUB. STA. A.C.L. R.R. BRIDGE

CHART 634 8C

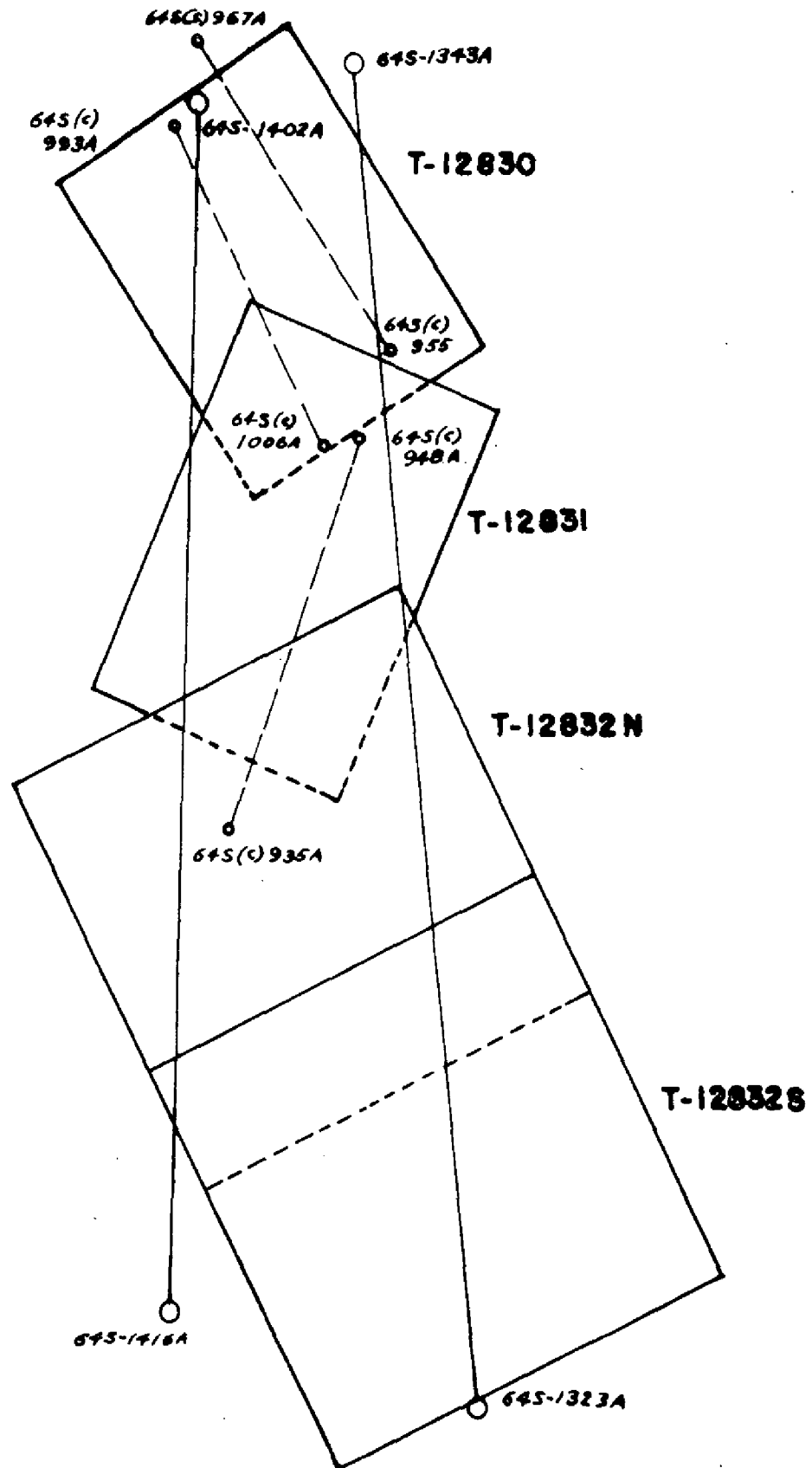
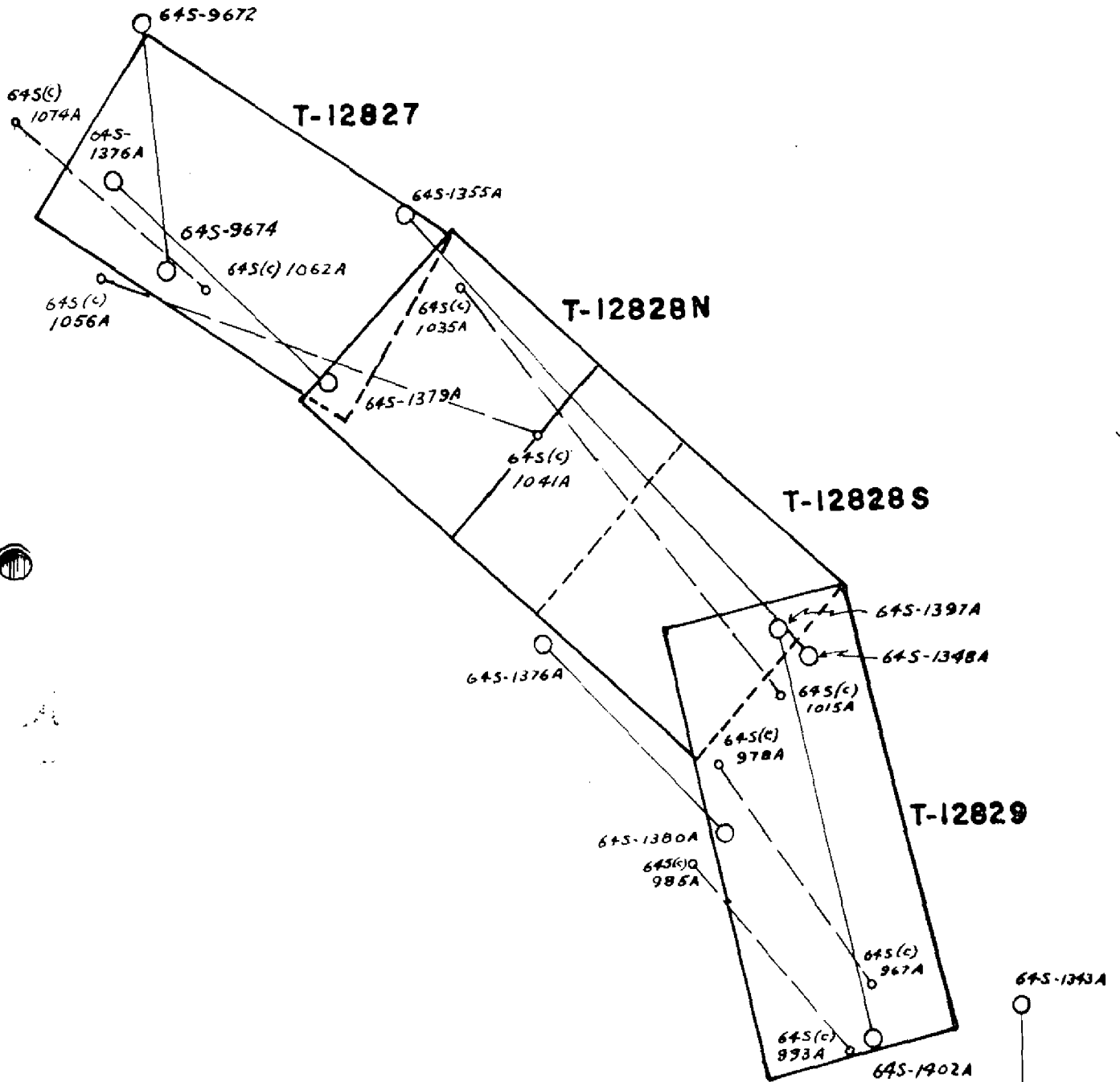


CHART 634 SC



SUMMARY TO ACCOMPANY
DESCRIPTIVE REPORT FOR T-12826 thru T-12832 (Chart 634)

Ten chart compilation manuscripts, T-12826 N/2 and S/2, T-12827, T-12828 N/2 and S/2, T-12829, T-12830, T-12831, and T-12832 N/2 and S/2, at 1:20,000 comprise the southern portion of PH-6501 (21415). These manuscripts are to be used in the compilation of Small Craft Chart 634.

This is a stereoscopic instrument project to be used in the compilation of 1:20,000 scale Small Craft Charts 634 and 635, Savannah River from Savannah to Augusta, Georgia. The stereo-bridge was run on 1:70,000 scale RC-9 photographs, taken Oct. 13, 1964, and drilled points were transferred to 1:30,000 scale diapositives taken Oct. 13, 1964. Color transparencies at 1:10,000 scale, taken Nov. 21, 1964 and Feb. 27, 1965 were furnished to assist in delineation of the shoreline and identification of aids to navigation.

The field operations preceeding compilation were confined to control identification for the stereo bridge, and identification of aids to navigation and landmarks for nautical charts. Compilation was done without further field inspection.

Field edit was confined to the river and details visible from the river, including aids to navigation and landmarks for charts.

Chart compilation manuscripts were furnished the chart division before final review. Corrections to the positions of some aids to navigation etc. made in final review were immediately forwarded for charts. The Registration manuscript is furnished for registry, and a copy is furnished for the Chart Division.

FIELD REPORT
Project 21510
SAVANNAH RIVER

Field work was accomplished in accordance with Instructions dated December 16, 1964, reference 6314, and was comprised of the following phases.

HORIZONTAL CONTROL

Horizontal control identification was started January 13th and completed February 19th. Eighteen control stations were recovered and identified; fourteen others were searched for and not recovered. It is believed that control requirements have been satisfied.

Quality of the photographs used for identification was fair.

LANDMARKS AND AIDS TO NAVIGATION

Investigation and identification of nonfloating aids to navigation and landmarks was completed March 4, 1965. Form 567 is being submitted for landmarks only.

The river was traversed by small boat from Savannah to Augusta to inspect and identify nautical landmarks. While doing so, aids visible on the photographs were circled and the approximate positions of the ones not visible were circled, as an aid to the compiler. Most of the numbers have been broken off the aids, apparently by high water (those with numbers were noted on the photos) and some of the piling are missing. The piling are concrete and about 8 inches square. Some are at the down-river dolphin of several, angling inshore upriver; others are at the outer end of the down-river wood groin which is the longest of several, perpendicular to the shore. Also, a few obstructions in the river were noted, such as sunken barges and trees.

A few of the better boat ramps were circled for use by the field editor.

GEOGRAPHIC NAMES

This is the subject of a special report prepared by Philip B. Walbolt and submitted to the Washington Office on Feb. 18, 1965.

DATES OF DATA TRANSMITTALS

January 28, 1965, Reference No. 18; February 10, 1965, Reference No. 19; February 25, 1965, Reference No. 21; and March 12, 1965, Reference No. 26.

Submitted 3/12/65

Erwest W. Hartford
Erwest W. Hartford
Surveying Technician

Approved and forwarded

Joseph K. Wilson
Joseph K. Wilson,
Chief, Photo Party 759

Photogrammetric Plot Report

Project 21510

Georgia and South Carolina

June 1965

21. Area Covered

This report covers the Savannah River from Savannah to Augusta.

22. Method

Analytic aerotriangulation methods were used; to bridge three strips of photography at the scale of 1:70,000. The attached sketch shows the field identified control used in the final adjustments and those used as checks. Closures to all control stations have been tabulated.

23. Adequacy of Control

Horizontal control identified and required to adjust the strips was adequate. One station, MILLHAVEN 1932, proved troublesome, however, after numerous hours of additional office and field work, the published Plane Coordinate position was proved to be in error. After this was corrected our difficulties were resolved.

In excess of two hundred points were photo identified, transferred and positions determined (Transverse Mercator) to control the 137 models required to compile chart topography. The nineteen sheets (panels) can be compiled to meet the National Standards of Map Accuracy.

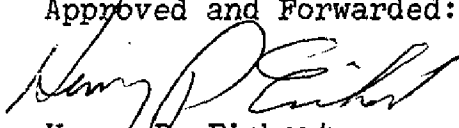
24. Supplemental Data

None

25. Photography

Photography was adequate with regard to overlap and coverage, however in many areas the image definition was very poor, due to excessive amounts of glare. The glare problem, inherent to the RC-9 camera, caused some trouble near control stations, Pryor 2 SS#1 and SS#2 and Rouse SS#1, however this problem will not be of concern to the compilers since they will be using only RC-8 photography.

Approved and Forwarded:


Henry P. Eichert
Acting Chief, Aerotriangulation
Section

Respectfully submitted:


George M. Ball

PH-21510
Closures to Control

Strip #1

SNOOKS, 1935

SS #1	{+4.7 }	{-5.2}
SS #2	{+3.0 }	{+1.9}

BERRYVILLE, 1918

SS #1	{+6.1 }	{-3.1}
SS #2	{+4.3 }	{-4.4}

JEWELS, 1935

SS #1	{+0.8 }	{+1.0}
SS #2	{-0.4 }	{-5.6}

PURRY, 1932

SS #1	{+2.4 }	{+10.6}
SS #2	{-4.2 }	{+5.6}

ORANGE TANK, 1934

SS #1	{+1.6 }	{-6.7}
SS #2	{-4.0 }	{-9.8}

BONAVENTURE WATER TANK, 1932

SS #1	{-7.3 }	{+0.9}
SS #2	{-1.4 }	{+1.3}

Strip #2

MILLHAVEN, 1932

SS #1	{-0.7 }	{-0.5}
SS #2	{+2.8 }	{-6.0}

ROUSE, 1932

SS #1	{+18.7 }	{+1.5}	pt. questionable area very dark
SS #2	{-0.2 }	{+2.2}	

FIFER, 1935

SS #1	{+5.3 }	{+6.6}
SS #2	{+5.4 }	{-0.4}

PRYOR 2, 1958

SS #1 $\begin{pmatrix} +8.1 \\ -5.8 \end{pmatrix}$ $\begin{pmatrix} -12.73 \\ -5.8 \end{pmatrix}$ image definition poor pt. questionable
 SS #2

PORTER, 1935

SS #1 $\begin{pmatrix} +7.6 \\ +1.3 \end{pmatrix}$ $\begin{pmatrix} -0.9 \\ +4.2 \end{pmatrix}$
 SS #2

Strip #3

CLARKS HILL, 1902-32

RM #1 $\begin{pmatrix} +6.6 \\ +1.7 \end{pmatrix}$ $\begin{pmatrix} +8.4 \\ +0.6 \end{pmatrix}$
 SS #1

BUNCH, 1902-32

SS #1 $\begin{pmatrix} +3.2 \\ +6.9 \end{pmatrix}$ $\begin{pmatrix} +7.8 \\ +6.2 \end{pmatrix}$
 SS #2

AUGUSTA, LONGITUDE STATION, 1890

RM #2 $\begin{pmatrix} -1.7 \\ -0.8 \end{pmatrix}$

AUGUSTA, ST. PATRICKS CHURCH SPIRE, 1902-32

HOME STAT. $\begin{pmatrix} +3.0 \\ -0.1 \end{pmatrix}$

AUGUSTA, J. B. WHITE TANK, 1932

HOME STA. $\begin{pmatrix} +3.6 \\ +2.3 \end{pmatrix}$

BARNEY, 1932

SS #1 $\begin{pmatrix} +1.3 \\ -6.0 \end{pmatrix}$ $\begin{pmatrix} +1.7 \\ -1.8 \end{pmatrix}$
 SS #2

HANCOCK, 1932

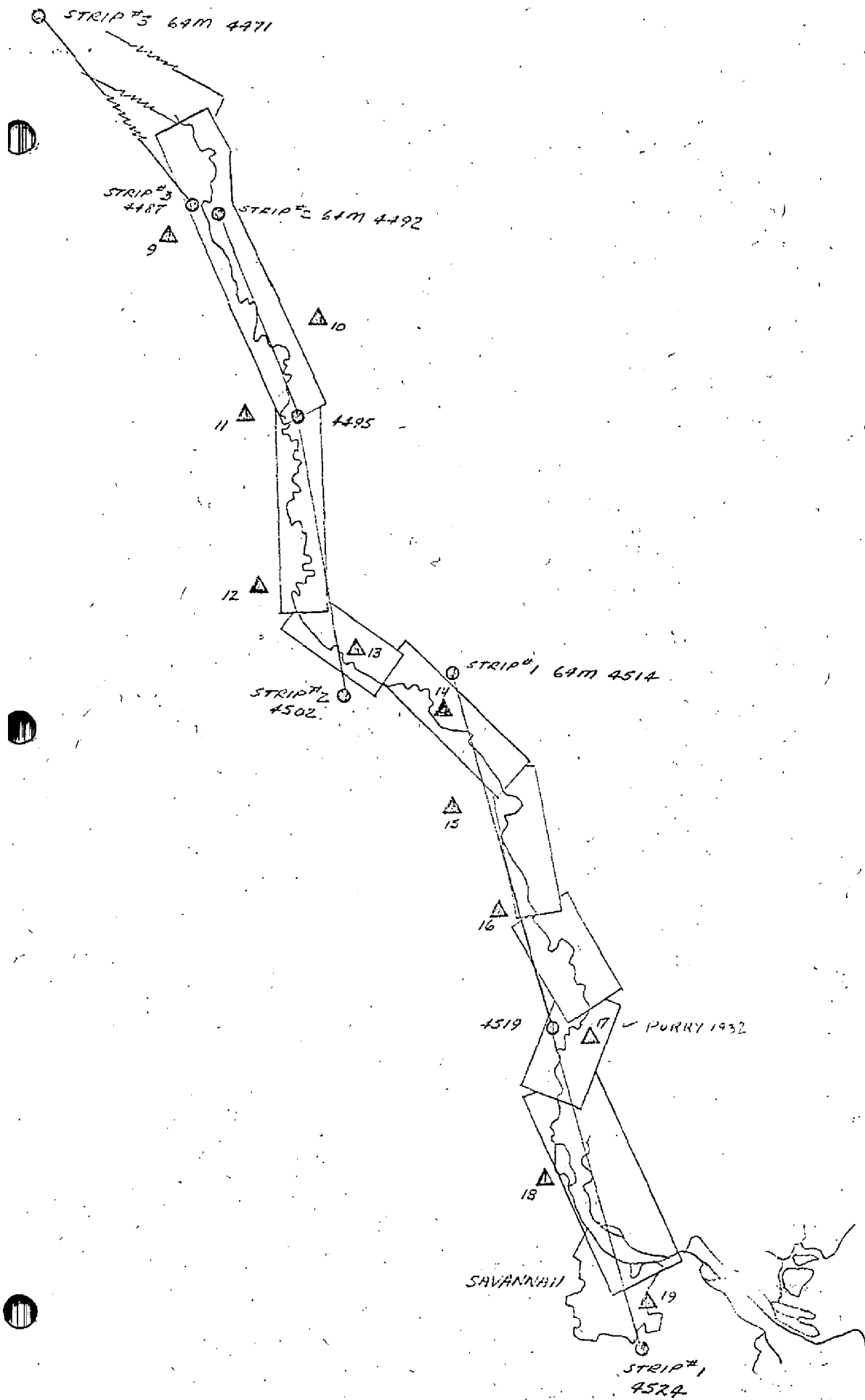
HOME STA. $\begin{pmatrix} +9.5 \\ +6.8 \end{pmatrix}$ $\begin{pmatrix} +3.1 \\ +0.6 \end{pmatrix}$
 RM #4

GIRARD, 1932

SS #1 $\begin{pmatrix} +2.1 \\ +1.6 \end{pmatrix}$ $\begin{pmatrix} +4.6 \\ -0.3 \end{pmatrix}$
 SS #2

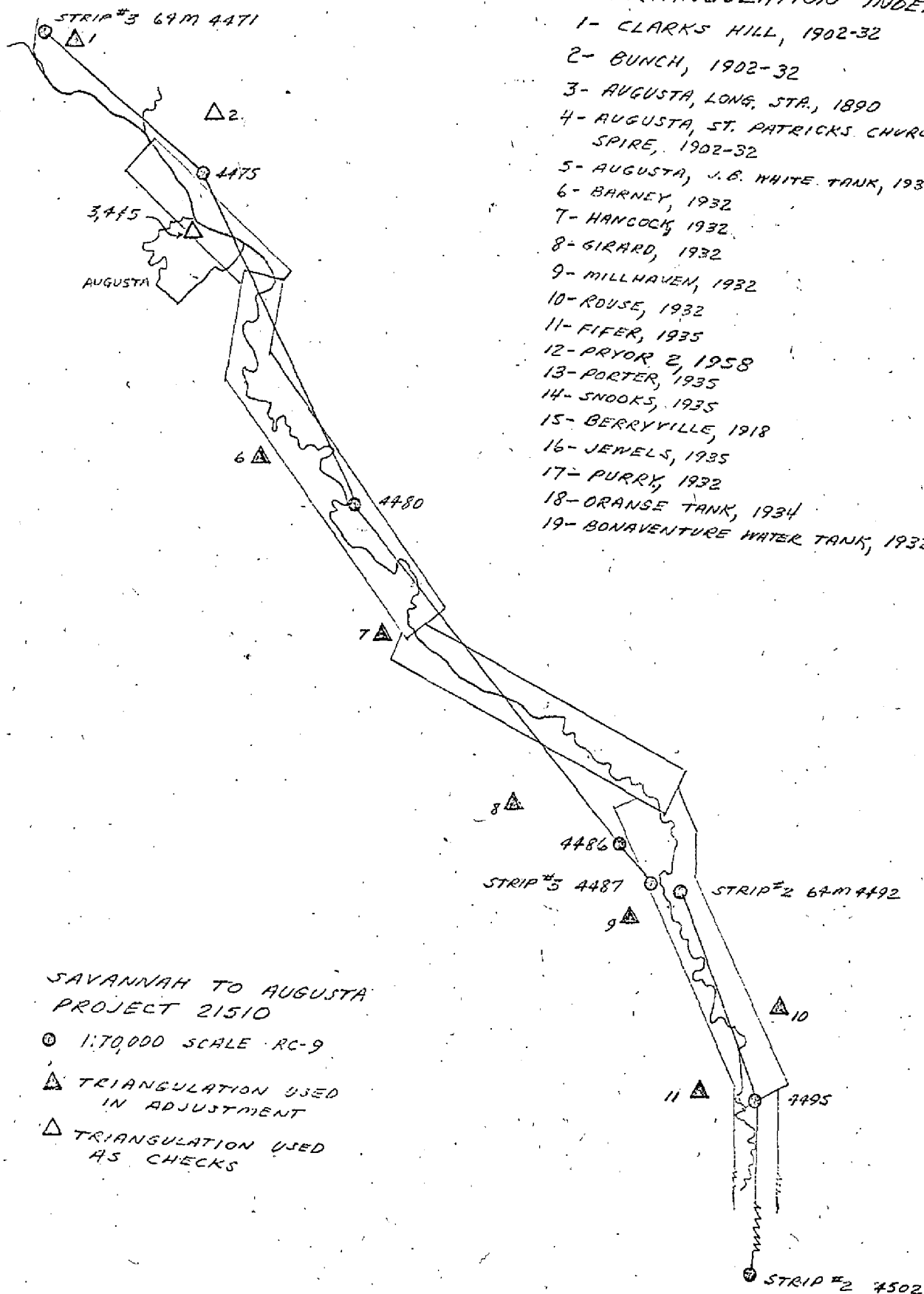
MILLHAVEN, 1932

SS #1 $\begin{pmatrix} -2.8 \\ -0.7 \end{pmatrix}$ $\begin{pmatrix} -3.6 \\ -6.5 \end{pmatrix}$
 SS #2



TRIANGULATION INDEX

- 1- CLARK'S HILL, 1902-32
- 2- BUNCH, 1902-32
- 3- AUGUSTA, LONG. STA., 1890
- 4- AUGUSTA, ST. PATRICKS CHURCH SPIRE, 1902-32
- 5- AUGUSTA, J. B. WHITE TANK, 1932
- 6- BARNEY, 1932
- 7- HANCOCK, 1932
- 8- GIRARD, 1932
- 9- MILLHAVEN, 1932
- 10- ROUSE, 1932
- 11- FIFER, 1935
- 12- PRYOR 2, 1958
- 13- PORTER, 1935
- 14- SNOOKS, 1935
- 15- BERRYVILLE, 1918
- 16- JEWELS, 1935
- 17- PURRY, 1932
- 18- ORANSE TANK, 1934
- 19- BONAVENTURE WATER TANK, 1932



SAVANNAH TO AUGUSTA
PROJECT 21510

① 1:70,000 SCALE RC-9

△ TRIANGULATION USED
IN ADJUSTMENT

○ TRIANGULATION USED
AS CHECKS



MAP SHEET	CHART	PROJECT NO.	SCALE OF MAP	SCALE FACTOR
MAP 7-	CHART 65	PH-6501	1:20,000	

[illegible]

11 FT. - 3048006 METER
COMPUTED BY: A.C.

Rauck, Jr.

DATE Sept. 24, 1965

CHECKED BY: A. Santillan

DATE Sept. 24, 1965

COMM-DC-57843

COMPILATION REPORT
CHART 634

31. DELINEATION

The T sheets comprising the area of chart 634 were compiled primarily with the Kelsh Plotter. The Wild B-8 plotter was used to compile the more dense urban areas of Savannah and Port Wentworth to assure more complete compilation of urban features and shoreline details which were not covered with the color photography.

The outer limits of the two southern T-sheets were not covered by 1:30,000 scale photography. These areas were compiled by using the high altitude bridging photos with the vertical projector.

Compilation photography was adequate, except for the determination and location of some aids along the Savannah River which was difficult with this photography.

Those aids which could not be seen due to tree overhand and shadows were delineated from the color transparencies.

Flight paths of photography left much to be desired for more economical compilation. In some areas, adjacent flights were so flown as to necessitate setting double the usual number of stereo Kelsh models.

32. CONTROL

No vertical control was required.

Refer to Photogrammetric Plot Report included with this Descriptive Report.

In some models there were only two or three bridge points, and in only a small number of models were there over four bridge points. The placement of these was not the best for a strong fix of the models. However, it is believed that the accuracy required for this project has been met.

Pass points determined during the analytic triangulation were held, but there were several models in which no positions were given to drilled points during bridging. On T-12826N, which included 7 stereo models, 8 pass points had no positions given, and on T-12828N, of three models, 2 pass points were not given positions. In these instances the positions of these drilled pass points were dropped and used as a Kelsh pass point to be held in the next model.

Horizontal control station Bonaventure Water Tank, 1932, was among the triangulation stations used in the adjustment of the analytic bridge.

32. CONTROL (Cont.)

This station has since been destroyed. See form 567 submitted with this report.

33. SUPPLEMENTAL DATA

The following supplemental data were furnished by the compilation office and were utilized in the manner described.

1. Nautical Chart 440 - Savannah River and Wassaw Sound.
Scale 1:40,000, dated Dec. 7, 1964
 - a. Additional geographic names and as an aid to the delineation of offshore details and dangers to navigation. Much of which were resolved by the field editor.
 - b. Comparison made in order to meet requirements of combined Comparison - Field Edit print.
2. Prior Bureau Surveys T-5141 and T-5142
Scale 1:10,000, dated Oct. 1933 and T-5137
Scale 1:20,000, dated Oct. 1933
 - a. Comparison for combined Comparison - Field Edit print.
3. Hydrographic Surveys (U.S.C. & G.S.) Savannah River
No. 5550, scale 1:10,000, dated April - Sept. 1934
No. 5572, scale 1:10,000, dated Aug. 1934
No. 5584, scale 1:10,000, dated Sept. - Nov. 1934
 - a. Comparison for combined Comparison - Field Edit print.
4. U.S.G.S. Shirley Quad., scale 1:62,500, dated 1919

" Pineland "	"	"	"	"
U.S.C. of E. Peeples "	"	"	"	1943
A.M.S. Garden City "	"	1:25,000	"	1960
U.S.G.S. Limehouse "	"	1:24,000	"	1955
" Port Wentworth "	"	"	"	"
" Savannah "	"	"	"	"
" Hardeeville "	"	"	"	1962
" Hardeeville N.W. "	"	"	"	"
" Rincon "	"	"	"	"

 - a. These were submitted by the Geographic Names Section, and in addition to their use for names, they were used in the comparison for the Combined Comparison - Field Edit print. In some instances, drainage too difficult to delineate by the usual photogrammetric methods, was compiled by using these quadrangles, and the vertical projector to enlarge them to fit to points of common detail.

34. CONTOURS AND DRAINAGE

Contours are inapplicable to this project. Compilation photography, in some instances, was not of sufficient quality to assure good delineation of drainage. The color transparencies were used to a distinct advantage for the compilation of these details. The quadrangle maps and the vertical projector were used only where there was no color photography coverage.

35. SHORELINE AND ALONGSHORE DETAILS

Field inspection of shoreline and alongshore areas was not a prerequisite for this project. See Field Report submitted with this report.

The shoreline as delineated, is to a degree, an apparent shoreline, particularly along those areas of marsh and swamp north of Port Wentworth. This shoreline was determined to be somewhat back under the overhanging trees and tree shadows, and was so delineated.

Alongshore areas foul with trees, stumps and snags, as well as shallow areas and trees in water areas have been delineated.

No low water lines have been delineated. All shoreline structures, piers, wharves, retaining walls, bulkheads, groins and other alongshore details have been delineated by office interpretation and those corrected and/or edited by the field editor have been shown.

36. OFFSHORE DETAILS

Refer to "Notes from Field Editor," submitted with this report.

Few offshore details were encountered during compilation. Those, noted on the chart 440, as obstructions or dangers to navigation, which could not be seen on the compilation photography, were referred to the field editor for further classification. They were then compiled or deleted as edit required.

37. LANDMARKS AND AIDS

Forms 567 are submitted with this report for 41 aids to navigation and 19 landmarks to be charted and 5 landmarks for deletion.

Non-floating aids, when they could be seen were plotted or dropped direct from the compilation kelsh models. When tree overhang or shadow made this impossible, they were delineated from the color transparencies.

A few landmarks and aids on T-12832N were delineated by fixes by the field editor, they are:

TOWER, TRANSMISSION, WEST ONE, STEEL, RED, WHITE, HT. = 231 (241) Ft. - see next page
 TOWER, TRANSMISSION, EAST ONE, STEEL, RED, WHITE, HT. = 232 (242) Ft.
 DAYBEACON 20 RANGE REAR
 " 20 RANGE FRONT
 " 22 RANGE REAR
 " 22 RANGE FRONT

See next page

37. LANDMARKS AND AIDS (Cont.)

Point on Range 20
 " " " 22 (doubtful)

The check angle at Point on Range 22, between the east and west transmission towers would not hold. *ok. now see below*

The East tower was fixed by three photo points, 2 angles and one measured distance, and it is believed that the location of this tower is ~~in~~ good.

The West tower was plotted direct from the Kelsh model from a direct pricking identified by the field editor and it is this pricking which is believed to be in error, thereby causing the check angle between towers not to close.

The compiler apparently didn't see the tower, but transferred the point on the photo which the field man had pricked for the radially displaced image of the top of the tower. The tower (231 ft. high) is 5 cm. from the center of the photo on which it was pricked, and the base, or corrected position is 41 meters north and 1 meter east of the compiled position. Port Wentworth Channel ^{Range} Day beacons 20 Rear, 20 Front, and 22 Front were located using West Tower in the files, so their positions changed, as did the ranges. Forms 567 were submitted Dec. 13, 1965. Final Review by M.M. Skerney.

38. CONTROL FOR FUTURE SURVEYS

No recoverable topographic stations or photo hydro control points were established for this project.

39. JUNCTIONS

Junctions and overlap matches were made with each T-sheet within the limits of this new chart 634.

At the south end of this project are T-12832N and T-12832S which overlaps chart 440 from Port Wentworth south to Savannah. Inasmuch as this is a new chart compilation, and the scale differences encountered between two different middle latitudes of Mercator projection, ie. (32° for chart 440 and $32^{\circ} 25'$ for chart 634) no attempt of a junction was made. Any differences in shoreline and/or offshore details noted during comparison were resolved by the field editor.

At the north end of new chart 634, T-12826N joins with T-12825S of new chart 635. Again, the differences of two different middle latitudes, brought about a noticeable difference in scale. This junction was resolved by the vertical projector, changing the scale of one to fit the other.

40. HORIZONTAL AND VERTICAL ACCURACY

Refer to item 23 of Photogrammetric Plot Report and item 32, Control of this report.

41. DETAILS NOT COVERED BY FIELD INSPECTION OR EDIT

41. DETAILS NOT COVERED BY FIELD INSPECTION OR EDIT (Cont.)

As stated under item 35 of this report and in reference to the Field Inspection Report and Field Edit Report no interior inspection was made.

Public buildings, schools and churches and T.V. and radio towers (not of landmark value) were delineated by utilizing the quadrangle map and nautical chart covering this area. These items were projected to scale, delineated and further verified by comparison with the photography.

The swamp areas along both sides of the Savannah River were difficult to determine from office interpretation of the photographs. The quadrangle maps were used as an aid to locate these limits on the photography. Where they could be seen on the stereo models, they were delineated. In other areas where this delineation was difficult, the quadrangle maps were used to define the limits.

No specific instructions were given concerning tree cover. Tree areas were delineated and only those clearings and tree areas too small to be of value to charts were eliminated.

All roads leading to shoreline facilities were delineated. Logging roads and trails, considered to be of little or no value were eliminated, according to instructions.

Many ponds, of considerable distance from the river, were shown on the quadrangle maps but were not visible on the photography. Some of these were named and were determined to be of intermittent nature, and were so delineated.

42. BLUFFS OF LANDMARK VALUE

Bluffs, considered to be of possible landmark value were delineated prior to field edit. These were determined to be approximately 50' to 100' in height, from examination of the quadrangles and elevation readings from the Kelsh stereo models. However, the field editor, during his verification, decided that most of these were of no value to charts and identified smaller, bare bluffs in the vicinities of facility areas, and recommended these for charting.

46. COMPARISON WITH EXISTING MAPS

Refer to item 33 and 41 of this report.

Comparison has been made with all existing maps and pertinent differences noted on the combined Comparison - Field Edit ozalid prints according to instructions.

47. COMPARISON WITH NAUTICAL CHARTS

Refer to item 39 and 46 of this report

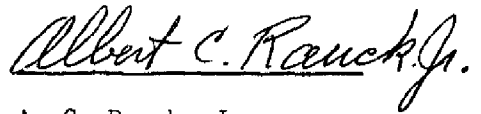
ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None

ITEMS TO BE CARRIED FORWARD

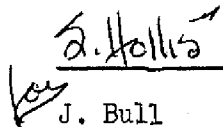
None

Respectfully submitted,



A. C. Rauck, Jr.

Approved and Forwarded



forJ. Bull
Norfolk Regional Officer

48. GEOGRAPHIC NAMES

Geographic names quadrangles and lists were submitted by Mr. A. J. Wraight, for each T-sheet in the area of this chart survey.

(Page 7 of this report)
Refer to Geographic Names ^A of the Field Report submitted with this report.

It was noted that the name lists did not always include all of the quadrangle geographic names required for this project. Where this occurred, the names noted on the quadrangles were used, and where conflicting or disputed names occurred, these were noted on the registration ovalid.

In some instances, quadrangle geographic names were so carelessly underlined, that it was difficult to ascertain if a name should or should not be used.

An alphabetical name list of those names used from the 10 name quadrangles are as follows:

CHART 634 T-12832S/2 thru T-12826N/2

Abercorn Creek	Carver Village
Ardsley Park	Cedar Bluff Landing
Argyle Island	City Front Channel*
Atlantic Coastal Highway	Chair Walker Point
Atlantic Coast Line	Chatham City
Avon Park	Chunk Creek
	Clearview
Back River	Clydesdale Canal
Barnwell Island	Clydesdale Creek
Barnwell Island No. 2	Coleman Lake
Bay Bush Point	Coleman Run
Bay Street	Cornhouse Reach
Bear Creek	Cross Tides
Berry Landing	Cypress Creek
Big Boar Flat	
Big Boykin Bar	Drakies Bluff
Big Collis Creek	Drakies Cut
Big Kiffer Point	Drakies Point
Black Creek	Deadmans Point
Black Creek Landing	Dry Pine Hill
Black River	Duck Pond
Black Swamp	Dundee Hill
Blanket Point	
Blue Springs	Ebenzer Creek
Bowl Maker Point	Ebenzer Landing
Briar Creek Landing	Enecks Bay
Bridge Point	Enecks Landing
Buck Creek	
Buff Lake	Fig Island
Bull Pen Point	Finch Lake
Bull Street	Flat Dutch Point

* From Chart No. 440

48. GEOGRAPHIC NAMES (Cont.)

T-12832S/2 thru T-12826N/2

CHART 634

Forks Lake
 Fort Jackson
 Foul Crow Point
 Fox Lake
 Fridays Dream Point
 Front River
 Frying Pan Landing
 Frying Pan Point

Gaffneys Landing
 Garden City
 Gator Holes
 Gin Raw Lake
 Gnann Fish Pond
 Gold Wires Reach
 Gordonston
 Groover Branch
 Gum Stump Point

Haddonville
 Haddon Lake
 Helmley Pond
 Hickory Bend
 Hodgins Lake
 Hog Island
 Hog Marsh Island
 Hognose Point
 Horse Bluff
 Houstown Cut
 Hudsons Ferry Reach
 Hudsons Ferry Landing
 Hungleiter Branch
 Hutchinson Island

Ivory Lake

Jacob Jump Point

Keiffer Branch
 Keiffer Pond
 Kennedy Lake
 Kings Island*
 Kings Island Channel*
 Knox Brough Creek

Lady Washington Point
 Le Pageville
 Liberty City
 Little Abercorn Creek
 Little Back River

Little Boykin Bar
 Little Collis Creek
 Little Cornhouse Reach
 Little Hearst Branch
 Little Kiffer Point
 Little Snooks Lake
 Lockner Creek
 Long Hill
 Long Pond

Magnolia Ridge
 Marsh Island
 Marsh Island Channel*
 Marsh Point
 Martins ~~Point~~ Landing;

McCombs Cut

~~MAGNOLIA RIDGE~~

Middle Kiffer Point

Middle River

Mill Creek

Mill Stone Landing

Monkey Point

Montieth

Mosquito Camp Point

Mosquito Creek

Mulberry Grove

Murray Hill Canyal

Myers

New Landing

Ogeecheeton

Oglethorpe Range*

Old Log Landing

Open Pond

Old River

Old Wood Landing

Onslow Island

Pallachucola

Pennyworth Island

Pfeiffers Landing

Pine Gardens

Pine Tree Camp Point

Pine Gardens

Pipe Makers Canal

Plank Creek

Poor Robins Landing

Poor Robin Lower Cut Point

Poor Robin Upper Cut Point

* From Chart No. 440

48. GEOGRAPHIC NAMES (Cont.)

CHART 634

T-12832S/2 thru T-12826N/2

Porters Landing
 Port Wentworth
 Port Wentworth Channel
 President Street
 Purysburgh
 Purysburgh Landing
 Purysburgh Station

Rabbit Bar Point
 Raccoon Creek
 Reiser Pond
 Rhodes Cut
 Richfield
 Robinson Round
 Rock Dam
 Rooty Branch
 Rossignol Hill

Salt Water Creek
 Sam Hole Bay
 Sand Hills
 Savannah
 Savannah and Atlantic R R
 Savannah River
 Sawdust Bay
 Seaboard Airline
 Shubra Canal
 Snooks Lake
 Springfield Canal
 St. Augustine Creek
 State Highway 25 & 26
 State Highway 21
 State Highway 25 ++
 Steamboat River
 Stokes Bluff Landing
 Strong Creek
 Sugarloaf Hill
 Symons Landing

Talmdge Memorial Bridge
 Tatumsville
 Taylor Canal
 Tee Lake
 Tew Lake
 Tiger Leap Bluff
 Thompsons Cut
 Thompsons Long Round

Thompson Pond
 Tremont Park
 Trowells Landing
 Umbar Run
 U. S. Highway 17 & 80
 U. S. Highway 17S
 U. S. Highway 17N
 U. S. Highway 80
 U. S. Highway 11 & 80
 U. S. Highway 17
 U. S. Highway 17A++
 Union Creek
 Ursula Island

Vernezobre Creek

Wheat Hill
 Whitehall Channel*
 Willow Oak Point
 Woodville
 Wrecks Channel*
 Yonkley Creek
 Zacharias Point

++ Highways came from quads, not recommended by names section
 * From Chart No. 440

GEOGRAPHIC NAMES

Ph 21510 (Shirley, S.C.-Ga.)

T- 12826 ~~127~~ 12827

Savannah River ✓
Blanket Point
Goldwires Reach
Fowl Crow Point ✓ 27
Hudson Ferry Landing
Jacob Jump Point
Martins Landing
Willow Oak Point
Monkey Point
Blue Springs
Black Creek Landing
Tiger Leap Bluff
Enecks Landing ✓ T 12827
Rabbit Bar Point ✓ "
Porters Landing
Cedar Bluff Landing
Hudson Ferry Reach
Poor Robin Landing
Poor Robin Upper Cut Point
Thompson Long Round
Thompson Cut Point ✓
Poor Robin Lower Cut Point
Bull Pen Point
Little Cornhouse Reach
Long Branch
Trowells Branch
Jones Place
White Pond

Buck Creek ✓
Jackson Branch
Black Creek
Rooty Branch
Enecks Bay
Cornhouse Reach
Mosquito Camp Point ✓
Haskell Barony Swamp
Little Black Creek
Runs Branch
Greenbay
Boggy Swamp
Leola

A. J. Wraight
A. J. Wraight
Geographic Names

GEOGRAPHIC NAMES

Ph 21510 (Shirley, S.C.-Ga.)

T-12828

Hognose Point ✓
Savannah River ✓
Myers ✓
Stokes Bluff Landing ✓
Pallachucola Lake ✓
Buff Lake ✓
Hog Branch ✓
Goldwires Reach ✓
Cedar Bluff Landing ✓
Trowells Landing ✓
King Branch
Runs Branch

A. J. Wraight

A. J. Wraight
Geographic Names

111
GEOGRAPHIC NAMES

Ph 21510 (Hardeeville, S.C.-Ga.)

~~T-128296~~ T-12830

Savannah River	Thompson Pond
Old Log Landing	Stillwell Branch
Coleman Run	Umbar Run
Horse Bluff	Umbar Long Hill
Long Hill	Sugarloaf Hill
Groover Branch	Chumk Cr.
Gnann Fishpond	Bear Bluff
Old River	Cypress Creek
Strong Creek	Hodgin Lake
Plank Creek	Yorkly Creek
Ebenezer Creek ✓	Reiser Pond
Ebenezer Landing ✓	
Berry Landing	
Gaffneys Landing	
Haddonville	
Frying Pan Point	
Frying Pan Landing	
Zacharias Point	
Bowl Maker Point	
Chair Maker Point	
Little Boykin Bar	
Big Boykin Bar	
Hungleiter Branch	
Helmly Pond	
Keiffer Pond (KIFFER)	
Keiffer Branch (KIFFER)	

A. J. Wraight

A. J. Wraight
Geographic Names

GEOGRAPHIC NAMES

Ph 21510 (Pineland, S.C.-GA.)

T- 12830

Cypress Branch ✓ 29

New Landing ✓ 29

Black Swamp ✓ 29

Robertville Station

Savannah River

Sand Hills ✓ 29

A. J. Wraight

A. J. Wraight
Geographic Branch

GEOGRAPHIC NAMES

Ph 21510 (Rincon, Ga.-S.C.)

T-12830

Lockness Creek
Symons Landing
Big Kiffer Point
Middle Kiffer Point
Old Wood Landing
Little Kiffer Point
Savannah River
Bay Bush Point
Flat Ditch Point
Pine Tree Camp Point
Hickory Bend
Forks Lake
Mill Creek
Bean Creek
Gator Holes
Coleman Lake
Bride Point
Mosquito Creek
Little Collis Creek
Little Abercorn Creek

A. J. Wraight

A. J. Wraight
Geographic Branch

GEOGRAPHIC NAMES

Ph 21510 (Hardeeville, S.C.-Ga.)

T-12831

Savannah River

Purysburgh Landing

Purysburgh

Purysburgh Station

Mill Stone Landing

A. J. Wraight

A. J. Wraight
Geographic Names

GEOGRAPHIC NAMES

Ph 21510 (Rincon, Ga.-S.C.)

T- 12831

Savannah River
Bean Creek
Mosquito Creek
Abercorn Creek
Big Gayland Creek
Little Gayland Creek
Big Collis Creek
Little Collis Creek
Little Abercorn Creek
Lady Washington Point.
Gum Stump Point.

A. J. Wraight

A. J. Wraight
Geographic Names

GEOGRAPHIC NAMES

Ph 21510 (Limehouse, S.C.-Ga.)

T-12832 N/2

Argyle Island
Clydesdale Creek
Hog Island
Hutchinson Island
Little Back River
Murray Hill Canal
Savannah National Wildlife Refuge
Taylor Canal
Vernezobre Creek
Open Pond
Lucknow Canal

A. J. Wraight

A. J. Wraight
Geographic Branch

GEOGRAPHIC NAMES

Ph 21510 (Garden City, S.C.-GA.)

T- 12832 S/2

Chatham City
Rossignol Hill
Garden City
Pipe Makers Canal
Dundee Canal
Kings Island
Hutchenson Island
Sharon Park
Savannah & Ogeechee Canal
Woodlawn Terrace
Woodville
Wheat Hill
Savannah River

A. J. Wraight

A. J. Wraight
Geographic Names

GEOGRAPHIC NAMES

Ph 21510 (Port Wentworth, Ga.-S.C.)

T-12832 S/2

Hutchinson Island

Kings Island

Pipe Makers Canal

Rock Dam

Back River

Savannah River

Middle River

Argyle Island

Rhodes Cut

Port Wentworth

Onslow Island

Front River

Little Back River

Savannah National Wildlife Refuge

St. Augustine Creek

Drakies Bluff

Drakies Cut

Houstown Cut

Steamboat River

Drakies Point

Hog Marsh Island

Montieth

Little Hearst Branch

Black Creek

Deadmans Point

Abercorn Creek

Union Creek

McCombs Cut

O'Leary

Ursula Island

Knoxborough Creek

A. J. Wraight

A. J. Wraight
Geographic Names

GEOGRAPHIC NAMES

Ph 21510 (Savannah, Ga.-S.C.)

T- 12832 S/2

Barnwell Is. No. 2
Barnwell Island
Back River
Carver Village
Clearview
Clydesdale Canal
Fig Island
LePageville
Fort Jackson
Murray Hill Canal
Marsh Point
Hutchinson Island
Savannah
Savannah River
Pennyworth Island
Springfield Canal
Salt Water Cr.
Savannah and Ogeechee Canal
Shrubra Canal
Savannah Nat. Wildlife Refuge

A. J. Wraight

A. J. Wraight
Geographic Names

CHART 634

49. NOTES FOR THE HYDROGRAPHER

None

JOB PH-6501

SAVANNAH RIVER
Notes from Field Editor

This report is submitted for nineteen sheets along the Savannah River from Savannah, Georgia to North Augusta, Georgia. The field edit was accomplished from August 16 through August 31, 1965.

1. Obstructions in Water

As a whole, the compiler has done an excellent job on the delineation of trees, snags, stumps etc. along the waters edge. Many trees have fallen in the water where the bank has eroded. Other trees, which overhang the water, are mainly willow and gum. Sometimes these trees grow in the water especially in shallow places. Dead trees, snags etc. will photograph white. The cut-offs are shoaling-up fast and many of them are barely navigable.

We concur with the Washington Office suggestion that a general note be shown on the new charts concerning foul areas adjacent to the shoreline and that navigators use caution and be on the lookout for floating logs, debris, etc.

Generally, the river, in its center portion, was free from obstructions. There is nearly always a strong current which tends to move the obstructions.

2. Bluffs

All bluffs were checked from the river to ascertain their value as landmarks. Most of the ones questioned by the compiler could not be seen from the river. You will note that the majority recommended are located near an old landing. The swamp trees are very tall, therefore obstructing the view of the bluffs.

3. Aids to Navigation

All aids to navigation were thoroughly checked. They have been described as to - type, color, condition and number. In accordance with a memorandum of August 10, form 567 for the aids will be submitted by the photogrammetric office. The aids, with the exception of a few at Savannah, consist of a one foot square precast concrete pile, which protrudes about 10 to 12 feet above high water. This concrete pile is usually about 2 to 3 feet downstream from the downstream groin. In those cases where the aid was not on the downstream groin, it has been noted on the field edit sheet.

The groins consist of a dolphin like structure (about 6 to 8 piles tied together) on the offshore end of two rows of single pile lashed together with cable.

4. Landmarks for Charts

All landmarks were checked during field edit. One new landmark is recommended. It is located west of the end of n navigation. Our field man, who investigated landmarks in the beginning, did an excellent job.

5. Boat Landings

A thorough investigation of boat landings was made. It was found that the quadrangle covering the area had many places shown as landings. Many of these are privately owned and of no value as a launch area. The names, however, are well known and should be shown on the new charts. Most of the launching ramps are maintained by the State or County, both in Georgia and South Carolina.

6. General

The west lane of US Highway 301, where it crosses the Savannah River, was under construction. Interstate Highway 20, in the western part of chart 635, was also under construction.

The Savannah River is not navigable a few miles upstream from Augusta. Rapids block-off further navigation. This area was inaccessible to the field editor. There are numerous rocks.

Submitted: September 1
1965

Joseph K. Wilson
Joseph K. Wilson
Chief Photo Party 759

FORM 182 (8-81)		50- PHOTOGRAMMETRIC OFFICE REVIEW Chart 634 T-12826N		U.S. DEPARTMENT OF COMMERCE COAST AND GEODETIC SURVEY	
1. PROJECTION AND GRIDS CHB		2. TITLE NONE 4a Classification label. Unclassified		3. MANUSCRIPT NUMBERS CHB	
4. MANUSCRIPT SIZE CHB		5. HORIZONTAL CONTROL STATIONS OF THIRD-ORDER OR HIGHER ACCURACY NONE		6. RECOVERABLE HORIZONTAL STATIONS OF LESS THAN THIRD-ORDER ACCURACY (TOPOGRAPHIC STATIONS) NONE	
CONTROL STATIONS		7. PHOTO HYDRO STATIONS NONE		8. BENCH MARKS NONE	
		9. PLOTTING OF SEXTANT FIXES NONE		10. PHOTOGRAMMETRIC PLOT REPORT Bridge	
		11. DETAIL POINTS Kelsh			
ALONGSHORE AREAS (Nautical Chart Data)		12. SHORELINE CHB		13. LOW-WATER LINE NONE	
		14. ROCKS, SHOALS, ETC. CHB		15. BRIDGES NONE	
		16. AIDS TO NAVIGATION CHB		17. LANDMARKS NONE	
		18. OTHER ALONGSHORE PHYSICAL FEATURES CHB			
		19. OTHER ALONGSHORE CULTURAL FEATURES CHB			
PHYSICAL FEATURES		20. WATER FEATURES CHB		21. NATURAL GROUND COVER CHB	
		22. PLANETABLE CONTOURS NONE		23. STEREOSCOPIC INSTRUMENT CONTOURS NONE	
		24. CONTOURS IN GENERAL NONE		25. SPOT ELEVATIONS NONE	
		26. OTHER PHYSICAL FEATURES CHB			
CULTURAL FEATURES		27. ROADS CHB		28. BUILDINGS CHB	
		29. RAILROADS CHB		30. OTHER CULTURAL FEATURES CHB	
BOUNDARIES		31. BOUNDARY LINES NONE		32. PUBLIC LAND LINES NONE	
MISCEL- LANEOUS		33. GEOGRAPHIC NAMES CHB		34. JUNCTIONS CHB	
		35. LEGIBILITY OF THE MANUSCRIPT CHB		36. DISCREPANCY OVERLAY Comparison Field Edit	
		37. DESCRIPTIVE REPORT CHB		38. FIELD INSPECTION PHOTOGRAPHS CHB	
		39. FORMS CHB		SIGNATURE OF REVIEWER <i>Charles H. Bishop</i>	
		SIGNATURE OF SUPERVISOR, REVIEW SECTION OR UNIT <i>Albert C. Rauck, Jr.</i>		40. FIELD COMPLETION ADDITIONS AND CORRECTIONS TO THE MANUSCRIPT-Additions and corrections furnished by the field completion survey have been applied to the manuscript. The manuscript is now complete except as noted in remarks on reverse side.	
SIGNATURE OF COMPILER <i>Billy A. Barnes</i>		SIGNATURE OF SUPERVISOR <i>Albert C. Rauck, Jr.</i>			

FORM 182 (3-61)		50- PHOTOGRAMMETRIC OFFICE REVIEW Chart 634 T-12826S		U.S. DEPARTMENT OF COMMERCE COAST AND GEODETIC SURVEY	
1. PROJECTION AND GRIDS CHB		2. TITLE NONE 4a Classification Label <u>Unclassified</u>		3. MANUSCRIPT NUMBERS CHB	
CONTROL STATIONS		5. HORIZONTAL CONTROL STATIONS OF THIRD-ORDER OR HIGHER ACCURACY NONE		6. RECOVERABLE HORIZONTAL STATIONS OF LESS THAN THIRD-ORDER ACCURACY (TOPOGRAPHIC STATIONS) NONE	
		7. PHOTO HYDRO STATIONS NONE		8. BENCH MARKS NONE	
		9. PLOTTING OF SEXTANT FIXES NONE		10. PHOTOGRAMMETRIC PLOT REPORT Bridge	
		11. DETAIL POINTS Kelsh			
ALONGSHORE AREAS (Nautical Chart Data)		12. SHORELINE CHB		13. LOW-WATER LINE NONE	
		14. ROCKS, SHOALS, ETC. CHB		15. BRIDGES NONE	
		16. AIDS TO NAVIGATION CHB		17. LANDMARKS NONE	
		18. OTHER ALONGSHORE PHYSICAL FEATURES CHB			
		19. OTHER ALONGSHORE CULTURAL FEATURES CHB			
PHYSICAL FEATURES		20. WATER FEATURES CHB		21. NATURAL GROUND COVER CHB	
		22. PLANETABLE CONTOURS NONE		23. STEREOSCOPIC INSTRUMENT CONTOURS NONE	
		24. CONTOURS IN GENERAL NONE		25. SPOT ELEVATIONS NONE	
		26. OTHER PHYSICAL FEATURES CHB			
CULTURAL FEATURES		27. ROADS CHB		28. BUILDINGS CHB	
		29. RAILROADS CHB		30. OTHER CULTURAL FEATURES CHB	
BOUNDARIES		31. BOUNDARY LINES NONE		32. PUBLIC LAND LINES NONE	
MISCEL- LANEOUS		33. GEOGRAPHIC NAMES CHB		34. JUNCTIONS CHB	
		35. LEGIBILITY OF THE MANUSCRIPT CHB		36. DISCREPANCY OVERLAY Comparison Field Edit	
		37. DESCRIPTIVE REPORT CHB			
		38. FIELD INSPECTION PHOTOGRAPHS CHB		39. FORMS CHB	
		SIGNATURE OF REVIEWER <i>Charles H. Bishop</i>		SIGNATURE OF SUPERVISOR, REVIEW SECTION OR UNIT <i>Albert C. Rauch, Jr.</i>	
40. FIELD COMPLETION ADDITIONS AND CORRECTIONS TO THE MANUSCRIPT - Additions and corrections furnished by the field completion survey have been applied to the manuscript. The manuscript is now complete except as noted in remarks on reverse side.					
SIGNATURE OF COMPILER <i>Alberto Santillan</i>			SIGNATURE OF SUPERVISOR <i>Albert C. Rauch, Jr.</i>		

FORM 182
(3-61)50- PHOTOGRAMMETRIC OFFICE REVIEW
Chart 634 T-12827U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

1. PROJECTION AND GRIDS CHB		2. TITLE NONE 4a Classification label Unclassified		3. MANUSCRIPT NUMBERS CHB		4. MANUSCRIPT SIZE CHB		
CONTROL STATIONS	5. HORIZONTAL CONTROL STATIONS OF THIRD-ORDER OR HIGHER ACCURACY NONE			6. RECOVERABLE HORIZONTAL STATIONS OF LESS THAN THIRD-ORDER ACCURACY (TOPOGRAPHIC STATIONS) NONE				
	7. PHOTO HYDRO STATIONS NONE		8. BENCH MARKS NONE		9. PLOTTING OF SEXTANT FIXES NONE		10. PHOTOGRAMMETRIC PLOT REPORT Bridge	
	11. DETAIL POINTS Kelsh							
ALONGSHORE AREAS (Nautical Chart Data)	12. SHORELINE CHB		13. LOW-WATER LINE NONE		14. ROCKS, SHOALS, ETC. CHB		15. BRIDGES NONE	
	16. AIDS TO NAVIGATION CHB		17. LANDMARKS NONE			18. OTHER ALONGSHORE PHYSICAL FEATURES CHB		
	19. OTHER ALONGSHORE CULTURAL FEATURES CHB							
PHYSICAL FEATURES	20. WATER FEATURES CHB			21. NATURAL GROUND COVER CHB				
	22. PLANETABLE CONTOURS NONE			23. STEREOSCOPIC INSTRUMENT CONTOURS NONE				
	24. CONTOURS IN GENERAL NONE			25. SPOT ELEVATIONS NONE				
	26. OTHER PHYSICAL FEATURES CHB							
CULTURAL FEATURES	27. ROADS CHB		28. BUILDINGS CHB		29. RAILROADS CHB			
	30. OTHER CULTURAL FEATURES CHB							
BOUNDARIES	31. BOUNDARY LINES NONE			32. PUBLIC LAND LINES NONE				
MISCELLANEOUS	33. GEOGRAPHIC NAMES CHB				34. JUNCTIONS CHB			
	35. LEGIBILITY OF THE MANUSCRIPT CHB		36. DISCREPANCY OVERLAY Comparison Field Edit		37. DESCRIPTIVE REPORT CHB			
	38. FIELD INSPECTION PHOTOGRAPHS CHB			39. FORMS CHB				
	SIGNATURE OF REVIEWER Charles H. Bishop			SIGNATURE OF SUPERVISOR, REVIEW SECTION OR UNIT Albert C. Rauch, Jr.				
40. FIELD COMPLETION ADDITIONS AND CORRECTIONS TO THE MANUSCRIPT - Additions and corrections furnished by the field completion survey have been applied to the manuscript. The manuscript is now complete except as noted in remarks on reverse side.								
SIGNATURE OF COMPLIER Alberto Santillan				SIGNATURE OF SUPERVISOR Albert C. Rauch, Jr.				

USE REVERSE SIDE FOR REMARKS

USCGM-DC 25353-P61

FORM 182
(8-61)

50- PHOTOGRAMMETRIC OFFICE REVIEW

U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

Chart 634 T12828S

1. PROJECTION AND GRIDS CHB		2. TITLE NONE		4a Classification Label: <u>Unclassified</u>		3. MANUSCRIPT NUMBERS CHB		4. MANUSCRIPT SIZE CHB	
CONTROL STATIONS	5. HORIZONTAL CONTROL STATIONS OF THIRD-ORDER OR HIGHER ACCURACY NONE				6. RECOVERABLE HORIZONTAL STATIONS OF LESS THAN THIRD-ORDER ACCURACY (TOPOGRAPHIC STATIONS) NONE				
	7. PHOTO HYDRO STATIONS NONE		8. BENCH MARKS NONE		9. PLOTTING OF SEXTANT FIXES NONE		10. PHOTOGRAMMETRIC PLOT REPORT Bridge		
	11. DETAIL POINTS Kelsh								
ALONGSHORE AREAS (Nautical Chart Data)	12. SHORELINE CHB		13. LOW-WATER LINE NONE		14. ROCKS, SHOALS, ETC. CHB		15. BRIDGES CHB		
	16. AIDS TO NAVIGATION CHB		17. LANDMARKS NONE			18. OTHER ALONGSHORE PHYSICAL FEATURES CHB			
	19. OTHER ALONGSHORE CULTURAL FEATURES CHB								
PHYSICAL FEATURES	20. WATER FEATURES CHB				21. NATURAL GROUND COVER CHB				
	22. PLANETABLE CONTOURS NONE				23. STEREOSCOPIC INSTRUMENT CONTOURS NONE				
	24. CONTOURS IN GENERAL NONE				25. SPOT ELEVATIONS NONE				
	26. OTHER PHYSICAL FEATURES CHB								
CULTURAL FEATURES	27. ROADS CHB		28. BUILDINGS CHB			29. RAILROADS CHB			
	30. OTHER CULTURAL FEATURES CHB								
BOUNDARIES	31. BOUNDARY LINES NONE				32. PUBLIC LAND LINES NONE				
MISCEL- LANEOUS	33. GEOGRAPHIC NAMES CHB					34. JUNCTIONS CHB			
	35. LEGIBILITY OF THE MANUSCRIPT CHB		36. DISCREPANCY OVERLAY Comparison Field Edit			37. DESCRIPTIVE REPORT CHB			
	38. FIELD INSPECTION PHOTOGRAPHS CHB				39. FORMS CHB				
	SIGNATURE OF REVIEWER <i>Charles H. Bishop</i>				SIGNATURE OF SUPERVISOR, REVIEW SECTION OR UNIT <i>Albert C. Rauch, Jr.</i>				
	40. FIELD COMPLETION ADDITIONS AND CORRECTIONS TO THE MANUSCRIPT-Additions and corrections furnished by the field completion survey have been applied to the manuscript. The manuscript is now complete except as noted in remarks on reverse side.								
SIGNATURE OF COMPILER <i>Charles Blood</i>					SIGNATURE OF SUPERVISOR <i>Albert C. Rauch, Jr.</i>				

USE REVERSE SIDE FOR REMARKS

USCOMM-DC 25353-P61

FORM 182
(3-61)50- PHOTOGRAMMETRIC OFFICE REVIEW
Chart 634 T-12828NU.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

1. PROJECTION AND GRIDS CHB		2. TITLE NONE 4a Classification label: <u>Unclassified</u>		3. MANUSCRIPT NUMBERS CHB		4. MANUSCRIPT SIZE CHB		
CONTROL STATIONS	5. HORIZONTAL CONTROL STATIONS OF THIRD-ORDER OR HIGHER ACCURACY NONE			6. RECOVERABLE HORIZONTAL STATIONS OF LESS THAN THIRD-ORDER ACCURACY (TOPOGRAPHIC STATIONS) NONE				
	7. PHOTO HYDRO STATIONS NONE		8. BENCH MARKS NONE		9. PLOTTING OF SEXTANT FIXES NONE		10. PHOTOGRAMMETRIC PLOT REPORT Bridge	
	11. DETAIL POINTS Kelsh							
ALONGSHORE AREAS (Nautical Chart Data)	12. SHORELINE CHB		13. LOW-WATER LINE NONE		14. ROCKS, SHOALS, ETC. CHB		15. BRIDGES CHB	
	16. AIDS TO NAVIGATION CHB		17. LANDMARKS NONE			18. OTHER ALONGSHORE PHYSICAL FEATURES CHB		
	19. OTHER ALONGSHORE CULTURAL FEATURES CHB							
PHYSICAL FEATURES	20. WATER FEATURES CHB			21. NATURAL GROUND COVER CHB				
	22. PLANETABLE CONTOURS NONE			23. STEREOSCOPIC INSTRUMENT CONTOURS NONE				
	24. CONTOURS IN GENERAL NONE			25. SPOT ELEVATIONS NONE				
	26. OTHER PHYSICAL FEATURES CHB							
CULTURAL FEATURES	27. ROADS CHB		28. BUILDINGS CHB		29. RAILROADS CHB			
	30. OTHER CULTURAL FEATURES CHB							
BOUNDARIES	31. BOUNDARY LINES NONE			32. PUBLIC LAND LINES NONE				
MISCELLANEOUS	33. GEOGRAPHIC NAMES CHB				34. JUNCTIONS CHB			
	35. LEGIBILITY OF THE MANUSCRIPT CHB		36. DISCREPANCY OVERLAY Comparison Field Edit		37. DESCRIPTIVE REPORT CHB			
	38. FIELD INSPECTION PHOTOGRAPHS CHB			39. FORMS CHB				
	SIGNATURE OF REVIEWER <i>Charles H. Bishop</i>			SIGNATURE OF SUPERVISOR, REVIEW SECTION OR UNIT <i>Albert C. Rauch, Jr.</i>				
40. FIELD COMPLETION ADDITIONS AND CORRECTIONS TO THE MANUSCRIPT-Additions and corrections furnished by the field completion survey have been applied to the manuscript. The manuscript is now complete except as noted in remarks on reverse side.								
SIGNATURE OF COMPILER <i>Bernice W. Jan</i>				SIGNATURE OF SUPERVISOR <i>Albert C. Rauch, Jr.</i>				

USE REVERSE SIDE FOR REMARKS

USCOMM-DC 25353-P61

FORM 182 (3-61)		50- PHOTOGRAMMETRIC OFFICE REVIEW Chart 634 T-12829		U.S. DEPARTMENT OF COMMERCE COAST AND GEODETIC SURVEY	
1. PROJECTION AND GRIDS CHB		2. TITLE NONE 4a Classification label Unclassified		3. MANUSCRIPT NUMBERS CHB	
CONTROL STATIONS		5. HORIZONTAL CONTROL STATIONS OF THIRD-ORDER OR HIGHER ACCURACY NONE		6. RECOVERABLE HORIZONTAL STATIONS OF LESS THAN THIRD-ORDER ACCURACY (TOPOGRAPHIC STATIONS) NONE	
		7. PHOTO HYDRO STATIONS NONE		8. BENCH MARKS NONE	
		9. PLOTTING OF SEXTANT FIXES NONE		10. PHOTOGRAMMETRIC PLOT REPORT Bridge	
		11. DETAIL POINTS Kelsh			
ALONGSHORE AREAS (Nautical Chart Data)		12. SHORELINE CHB		13. LOW-WATER LINE NONE	
		14. ROCKS, SHOALS, ETC. CHB		15. BRIDGES NONE	
		16. AIDS TO NAVIGATION CHB		17. LANDMARKS NONE	
		18. OTHER ALONGSHORE PHYSICAL FEATURES CHB			
		19. OTHER ALONGSHORE CULTURAL FEATURES CHB			
PHYSICAL FEATURES		20. WATER FEATURES CHB		21. NATURAL GROUND COVER CHB	
		22. PLANETABLE CONTOURS NONE		23. STEREOSCOPIC INSTRUMENT CONTOURS NONE	
		24. CONTOURS IN GENERAL NONE		25. SPOT ELEVATIONS NONE	
		26. OTHER PHYSICAL FEATURES CHB			
CULTURAL FEATURES		27. ROADS CHB		28. BUILDINGS CHB	
		29. RAILROADS CHB		30. OTHER CULTURAL FEATURES CHB	
BOUNDARIES		31. BOUNDARY LINES NONE		32. PUBLIC LAND LINES NONE	
MISCEL- LANEOUS		33. GEOGRAPHIC NAMES CHB		34. JUNCTIONS CHB	
		35. LEGIBILITY OF THE MANUSCRIPT CHB		36. DISCREPANCY OVERLAY Comparison Field Edit	
		37. DESCRIPTIVE REPORT CHB		38. FIELD INSPECTION PHOTOGRAPHS CHB	
		39. FORMS CHB		SIGNATURE OF REVIEWER <i>Charles H. Bishop</i>	
		SIGNATURE OF SUPERVISOR, REVIEW SECTION OR UNIT <i>Albert C. Rauch, Jr.</i>			
40. FIELD COMPLETION ADDITIONS AND CORRECTIONS TO THE MANUSCRIPT - Additions and corrections furnished by the field completion survey have been applied to the manuscript. The manuscript is now complete except as noted in remarks on reverse side.					
SIGNATURE OF COMPILER <i>Harry J. Cordell</i>			SIGNATURE OF SUPERVISOR <i>Albert C. Rauch, Jr.</i>		

FORM 182
(3-61)50- PHOTOGRAMMETRIC OFFICE REVIEW
Chart 634 T. 12830U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

1. PROJECTION AND GRIDS CHB		2. TITLE NONE 4a Classification label Unclassified		3. MANUSCRIPT NUMBERS CHB	4. MANUSCRIPT SIZE CHB
CONTROL STATIONS	5. HORIZONTAL CONTROL STATIONS OF THIRD-ORDER OR HIGHER ACCURACY NONE		6. RECOVERABLE HORIZONTAL STATIONS OF LESS THAN THIRD-ORDER ACCURACY (TOPOGRAPHIC STATIONS) NONE		
	7. PHOTO HYDRO STATIONS NONE	8. BENCH MARKS NONE	9. PLOTTING OF SEXTANT FIXES NONE	10. PHOTOGRAMMETRIC PLOT REPORT BRIDGE	
	11. DETAIL POINTS KELSH				
ALONGSHORE AREAS (Nautical Chart Data)	12. SHORELINE CHB	13. LOW-WATER LINE NONE	14. ROCKS, SHOALS, ETC. CHB	15. BRIDGES NONE	
	16. AIDS TO NAVIGATION NONE	17. LANDMARKS NONE	18. OTHER ALONGSHORE PHYSICAL FEATURES CHB		
	19. OTHER ALONGSHORE CULTURAL FEATURES CHB				
PHYSICAL FEATURES	20. WATER FEATURES CHB		21. NATURAL GROUND COVER CHB		
	22. PLANETABLE CONTOURS NONE		23. STEREOSCOPIC INSTRUMENT CONTOURS NONE		
	24. CONTOURS IN GENERAL NONE		25. SPOT ELEVATIONS NONE		
	26. OTHER PHYSICAL FEATURES CHB				
CULTURAL FEATURES	27. ROADS CHB	28. BUILDINGS CHB	29. RAILROADS CHB		
	30. OTHER CULTURAL FEATURES CHB				
BOUNDARIES	31. BOUNDARY LINES NONE		32. PUBLIC LAND LINES NONE		
MISCELLANEOUS	33. GEOGRAPHIC NAMES CHB			34. JUNCTIONS CHB	
	35. LEGIBILITY OF THE MANUSCRIPT CHB	36. DISCREPANCY OVERLAY COMPARISON-FIELD EDIT		37. DESCRIPTIVE REPORT CHB	
	38. FIELD INSPECTION PHOTOGRAPHS CHB		39. FORMS CHB		
	SIGNATURE OF REVIEWER <i>Charles H. Bishop</i>		SIGNATURE OF SUPERVISOR, REVIEW SECTION OR UNIT <i>Albert C. Ranch, Jr.</i>		
40. FIELD COMPLETION ADDITIONS AND CORRECTIONS TO THE MANUSCRIPT-Additions and corrections furnished by the field completion survey have been applied to the manuscript. The manuscript is now complete except as noted in remarks on reverse side.					
SIGNATURE OF COMPILER <i>Billy H. Barnes</i>			SIGNATURE OF SUPERVISOR <i>Albert C. Ranch, Jr.</i>		

USE REVERSE SIDE FOR REMARKS

USC OMM-D 25353-P61

FORM 182
(3-51)50- PHOTOGRAMMETRIC OFFICE REVIEW
CHART 634 T-12831U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

1. PROJECTION AND GRIDS chb		2. TITLE none 4a Classification label. <u>Unclassified</u>		3. MANUSCRIPT NUMBERS chb		4. MANUSCRIPT SIZE CHB		
CONTROL STATIONS	5. HORIZONTAL CONTROL STATIONS OF THIRD-ORDER OR HIGHER ACCURACY NONE			6. RECOVERABLE HORIZONTAL STATIONS OF LESS THAN THIRD-ORDER ACCURACY (TOPOGRAPHIC STATIONS) NONE				
	7. PHOTO HYDRO STATIONS NONE		8. BENCH MARKS NONE		9. PLOTTING OF SEXTANT FIXES NONE		10. PHOTOGRAMMETRIC PLOT REPORT BRIDGE	
	11. DETAIL POINTS KELSH							
ALONGSHORE AREAS (Nautical Chart Data)	12. SHORELINE CHB		13. LOW-WATER LINE NONE		14. ROCKS, SHOALS, ETC. CHB		15. BRIDGES CHB	
	16. AIDS TO NAVIGATION CHB		17. LANDMARKS NONE			18. OTHER ALONGSHORE PHYSICAL FEATURES CHB		
	19. OTHER ALONGSHORE CULTURAL FEATURES CHB							
PHYSICAL FEATURES	20. WATER FEATURES CHB			21. NATURAL GROUND COVER CHB				
	22. PLANETABLE CONTOURS NONE			23. STEREOSCOPIC INSTRUMENT CONTOURS NONE				
	24. CONTOURS IN GENERAL NONE			25. SPOT ELEVATIONS NONE				
	26. OTHER PHYSICAL FEATURES CHB							
CULTURAL FEATURES	27. ROADS CHB		28. BUILDINGS CHB		29. RAILROADS CHB			
	30. OTHER CULTURAL FEATURES CHB							
BOUNDARIES	31. BOUNDARY LINES NONE			32. PUBLIC LAND LINES NONE				
MISCELLANEOUS	33. GEOGRAPHIC NAMES CHB				34. JUNCTIONS CHB			
	35. LEGIBILITY OF THE MANUSCRIPT CHB		36. DISCREPANCY OVERLAY COMPARISON-FIELD EDIT		37. DESCRIPTIVE REPORT CHB			
	38. FIELD INSPECTION PHOTOGRAPHS CHB			39. FORMS CHB				
	SIGNATURE OF REVIEWER <i>Charles H. Bishop</i>			SIGNATURE OF SUPERVISOR, REVIEW SECTION OR UNIT <i>Albert C. Raueck, Jr.</i>				
40. FIELD COMPLETION ADDITIONS AND CORRECTIONS TO THE MANUSCRIPT-Additions and corrections furnished by the field completion survey have been applied to the manuscript. The manuscript is now complete except as noted in remarks on reverse side.								
SIGNATURE OF COMPILER <i>Billy H. Barner</i>				SIGNATURE OF SUPERVISOR <i>Albert C. Raueck, Jr.</i>				

USE REVERSE SIDE FOR REMARKS

USCMM-DC 2553-P51

FORM 182 (3-61)		50- PHOTOGRAMMETRIC OFFICE REVIEW CHART 634 T-12832N		U.S. DEPARTMENT OF COMMERCE COAST AND GEODETIC SURVEY	
1. PROJECTION AND GRIDS CHB		2. TITLE NONE 4a Classification label: <u>Unclassified</u>		3. MANUSCRIPT NUMBERS CHB	
CONTROL STATIONS		5. HORIZONTAL CONTROL STATIONS OF THIRD-ORDER OR HIGHER ACCURACY NONE		6. RECOVERABLE HORIZONTAL STATIONS OF LESS THAN THIRD-ORDER ACCURACY (TOPOGRAPHIC STATIONS) NONE	
		7. PHOTO HYDRO STATIONS NONE		8. BENCH MARKS NONE	
		9. PLOTTING OF SEXTANT FIXES LLG		10. PHOTOGRAMMETRIC PLOT REPORT BRIDGE	
		11. DETAIL POINTS KELSH AND WILD B-e			
ALONGSHORE AREAS (Nautical Chart Data)		12. SHORELINE LLG		13. LOW-WATER LINE NONE	
		14. ROCKS, SHOALS, ETC. LLG		15. BRIDGES LLG	
		16. AIDS TO NAVIGATION LLG		17. LANDMARKS LLG	
		18. OTHER ALONGSHORE PHYSICAL FEATURES LLG			
		19. OTHER ALONGSHORE CULTURAL FEATURES LLG			
PHYSICAL FEATURES		20. WATER FEATURES LLG		21. NATURAL GROUND COVER LLG	
		22. PLANETABLE CONTOURS NONE		23. STEREOSCOPIC INSTRUMENT CONTOURS NONE	
		24. CONTOURS IN GENERAL NONE		25. SPOT ELEVATIONS NONE	
		26. OTHER PHYSICAL FEATURES LLG			
CULTURAL FEATURES		27. ROADS LLG		28. BUILDINGS LLG	
		29. RAILROADS LLG		30. OTHER CULTURAL FEATURES LLG	
BOUNDARIES		31. BOUNDARY LINES NONE		32. PUBLIC LAND LINES NONE	
MISCEL- LANEOUS		33. GEOGRAPHIC NAMES LLG		34. JUNCTIONS LLG	
		35. LEGIBILITY OF THE MANUSCRIPT LLG		36. DISCREPANCY OVERLAY COMPARISON-FIELD EDIT	
		37. DESCRIPTIVE REPORT LLG			
		38. FIELD INSPECTION PHOTOGRAPHS LLG		39. FORMS LLG	
		SIGNATURE OF REVIEWER <i>Laurence L. Graves</i>		SIGNATURE OF SUPERVISOR, REVIEW SECTION OR UNIT <i>Albert C. Rauch, Jr.</i>	
40. FIELD COMPLETION ADDITIONS AND CORRECTIONS TO THE MANUSCRIPT-Additions and corrections furnished by the field completion survey have been applied to the manuscript. The manuscript is now complete except as noted in remarks on reverse side.					
SIGNATURE OF COMPILER <i>Karl M. Bayler</i>			SIGNATURE OF SUPERVISOR <i>Albert C. Rauch, Jr.</i>		

USE REVERSE SIDE FOR REMARKS

USCGMM-DC 25353-P61

FORM 182 (8-61)		50- PHOTOGRAMMETRIC OFFICE REVIEW CHART 634 T-12832S		U.S. DEPARTMENT OF COMMERCE COAST AND GEODETIC SURVEY	
1. PROJECTION AND GRIDS LLG		2. TITLE NONE 4a Classification label: Unclassified		3. MANUSCRIPT NUMBERS LLG	
CONTROL STATIONS		5. HORIZONTAL CONTROL STATIONS OF THIRD-ORDER OR HIGHER ACCURACY NONE		6. RECOVERABLE HORIZONTAL STATIONS OF LESS THAN THIRD-ORDER ACCURACY (TOPOGRAPHIC STATIONS) NONE	
		7. PHOTO HYDRO STATIONS NONE		8. BENCH MARKS NONE	
		9. PLOTTING OF SEXTANT FIXES LLG		10. PHOTOGRAMMETRIC PLOT REPORT BRIDGE	
		11. DETAIL POINTS KELSH AND WILD B-8			
ALONGSHORE AREAS (Nautical Chart Date)		12. SHORELINE LLG		13. LOW-WATER LINE NONE	
		14. ROCKS, SHOALS, ETC. LLG		15. BRIDGES LLG	
		16. AIDS TO NAVIGATION LLG		17. LANDMARKS LLG	
		18. OTHER ALONGSHORE PHYSICAL FEATURES LLG			
		19. OTHER ALONGSHORE CULTURAL FEATURES LLG			
PHYSICAL FEATURES		20. WATER FEATURES LLG		21. NATURAL GROUND COVER LLG	
		22. PLANETABLE CONTOURS NONE		23. STEREOSCOPIC INSTRUMENT CONTOURS NONE	
		24. CONTOURS IN GENERAL NONE		25. SPOT ELEVATIONS NONE	
		26. OTHER PHYSICAL FEATURES LLG			
CULTURAL FEATURES		27. ROADS LLG		28. BUILDINGS LLG	
		29. RAILROADS LLG		30. OTHER CULTURAL FEATURES LLG	
BOUNDARIES		31. BOUNDARY LINES NONE		32. PUBLIC LAND LINES NONE	
MISCELLANEOUS		33. GEOGRAPHIC NAMES LLG		34. JUNCTIONS LLG	
		35. LEGIBILITY OF THE MANUSCRIPT LLG		36. DISCREPANCY OVERLAY COMPARISON-FIELD EDIT	
		37. DESCRIPTIVE REPORT LLG			
		38. FIELD INSPECTION PHOTOGRAPHS LLG		39. FORMS LLG	
		SIGNATURE OF REVIEWER <i>Lowell D. Hester Jr.</i>		SIGNATURE OF SUPERVISOR, REVIEW SECTION OR UNIT <i>Albert C. Rauch Jr.</i>	
40. FIELD COMPLETION ADDITIONS AND CORRECTIONS TO THE MANUSCRIPT-Additions and corrections furnished by the field completion survey have been applied to the manuscript. The manuscript is now complete except as noted in remarks on reverse side.					
SIGNATURE OF COMPILER <i>Lowell D. Hester Jr.</i>			SIGNATURE OF SUPERVISOR <i>Albert C. Rauch Jr.</i>		

USE REVERSE SIDE FOR REMARKS

USCOMM-DC 28353-P61



UNITED STATES GOVERNMENT

Memorandum

U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

IN REPLY REFER TO: WSC-6320

TO: Norfolk Regional Officer
Coast and Geodetic Survey
439 W. York Street
Norfolk, Virginia 23510

DATE: June 1, 1965

FROM: Chief, Photogrammetry Division

SUBJECT: Project 21510 (Compilation Notes and Completion Date)

(1) Compilation Limits

The limits of compilation have not been delineated on the projections as indicated under heading No. 6 of the Compilation Instructions. A copy of the final project diagram (with letter size copies attached) showing the approximate compilation limits (panel limits) will be forwarded. Delineate details approximately 1 inch beyond the limits of the panels.

(2) Mercator Values of State Grid Intersections

For both the South Carolina and Georgia state grids, separate IBM lists of Mercator values for each panel ("T" Sheet) for plotting intersections by coordinate are being forwarded. Due to the method of computation and projection size the lists include a large number of values for intersections falling outside the limits of delineation. Plot only those intersections falling within the area to be compiled.

(3) Panel Numbers

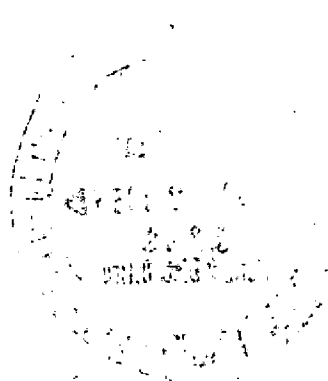
Do not use the panel numbers for manuscript designation (titles, indexes, correspondence, reports). Use only the "T" Sheet numbers.

(4) Completion Date

As a result of the heavy workload in connection with the Alaska earthquake projects, the project completion date was changed from June 30, 1965 to October 30, 1965 (Memorandum to Program Planning Staff from Chief, Photogrammetry Division, date February 18, 1965). The Nautical Chart Division has recently requested an earlier delivery date (October 1, 1965). We are committed to this new delivery date.

Sufficient data to start project work will be delivered to you by the end of May. This includes data for plotting state grid intersections and data for the first of three bridges. Additional field work (control) is required prior to completion of strips 2 and 3. If, after compilation is started, a change in delivery data seems advisable, please notify this office.

M E Nath
for J. E. Waugh



UNITED STATES GOVERNMENT

Memorandum

Mr. Stentz

U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

IN REPLY REFER TO: 6320

TO: Norfolk Regional Officer
Coast and Geodetic Survey
439 West York Street
Norfolk, Virginia 23510

DATE: July 29, 1965

FROM: Acting Director

PH-6501

SUBJECT: Project (PH-6506)- Modification of requirements for
delivery of project data to the Nautical Chart
Division

The following project data are forwarded to the Nautical
Chart Division for photogrammetric surveys produced for use
in nautical chart construction:

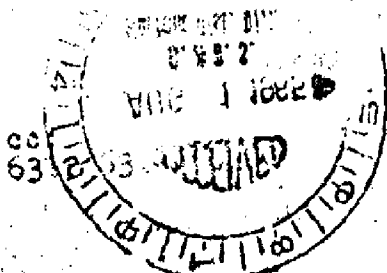
1. Chart compilation manuscripts (Chart
Division and registration copies)
2. Final copies of Form 567
3. Discrepancy prints
4. Copies of the Descriptive reports

Additional project information is furnished to the Chart
Division upon request.

The Registration Manuscript copies and the Descriptive Report
copies for this project need not be forwarded along with the
other data for delivery to the Chart Division on our committed
delivery date of October 1, 1965.

In order to provide the Chart Division with the data required
to start compilation on the delivery date, the following pro-
cedures are necessary:

cc James G. Thompson, Jr.



1. Apply field edit changes to the base manuscripts, then reproduce the bases for the Chart Division's manuscript copies. Ozalid copies shall also be produced;
2. Make preliminary reviews of the manuscripts;
3. Add (in pencil) to the ozalid copies information (identifying names of mapped objects, landmarks, aids, piles, notes, etc.) that would normally be furnished the Chart Division through the Registration Manuscript copy.

Additional information to be delivered to the Chart Division on October 1, 1965, includes:

1. A copy of the field edit report;
2. An informal review report covering the subjects outlined on page 505, Topographic Manual, Part II, for the final Washington Office review, shall be prepared and forwarded.

The preceding information can be included on the ozalid copies of the manuscripts or submitted as written notes.

Production of the Registration Manuscript copy and final review shall be completed as soon as possible. All changes made during final review that effect the Chart Compilation Manuscript shall be called to the attention of the Washington Office Review Unit.

The field edit of project maps, the requirements for pre-field edit manuscript data, and the procedure to be followed in forwarding data to the field editor are as follows:

1. Only copies of the pencilled work sheets and supporting data are required;
2. Field edit data shall be forwarded from the Portsmouth Photogrammetric Unit directly to the field editor.

E. F. Tison, Jr.
For James C. Tison, Jr.

cc:
631, 6314, 6320

JOB PH-6501
SAVANNAH RIVER

NOTES FOR THE FIELD EDITOR

1. Trees in water

Along both banks of the Savannah River are numerous trees, dead trees, stumps, logs, etc. that could be seen on the color transparencies. Without the benefit of prior field inspection, most of these could not be seen on the 1:30,000 scale panchromatic photography.

It is believed that most of these could be delineated with a dashed line adjacent to the shorelines and labeled foul with trees, stumps or logs. Where this applies, it should be labeled on the photographs or on the field edit print.

The Washington (Rockville) Office has indicated that Charts Section may incorporate a general note on both new small craft charts to this effect.

2. Bluffs

The bluffs that could be seen on the photos were delineated with the Kelsh plotter as a dashed line representing the top and bottom and labeled with an approximate height. All bluffs should be verified from seaward to ascertain their value as landmarks. In this area, particularly the upper reaches of the Savannah River, landmarks may well be scarce, and any which you deem of particular landmark value will be charted. Others will not be charted. If you find that we may have missed any of prominence, please indicate these on the field edit print.

3. Aids to Navigation

Most of the aids which were roughly spotted by the field man have been shown. Most of these could not be seen on the contact photos, but could easily be seen on the color photos. In most instances, the aid was, as the field man indicated, on the downstream groin of a group of three or four. There are a few which could not be seen and lay in an area where there were no color photo coverage. These have been noted for your attention.

It has been suggested and the Rockville Office has concurred, that an effort on your part to determine the area of responsibility for these aids might be in order. If we could know who and if they were considering maintenance and numbering of these aids, the new numbering system, if any, could be utilized by the Chart Section.

This suggestion was brought about because so many of the existing aids were broken off and many had no numerical designation.

4. Boat Landings

Quadrangles covering the area, indicate names of many landings. These places have been named as an aid to you in determining the actual existence and placement of such landings and to assist you in your facility survey.

5. Verification and Location

Other points of detail which demand further verification and/or explanation are noted on the field edit prints.

Albert C. Rauck, Jr.

Copy

JOB PH-6501
Savannah River
Small Craft Facility Investigation
Charts 634-SC and 635-SC

General Notes

The investigation of small craft facilities was accomplished during the period of August 16 through August 31, 1965.

The facility survey was accomplished concurrently with the field edit of chart topography. The Savannah River was travelled by boat from Savannah to Augusta.

Nineteen facilities were visited and the standard form submitted for each. All of these are boat launching ramps, with the exception of three located near Augusta. No facilities were listed at Savannah as there was no specific marina etc. on these charts. However, it is known that the small boat operator could obtain any marine supply he wished at Savannah.

The boat launching ramps, both on the Georgia and South Carolina sides, are maintained, for the most part, by the State and County. Many names of landings will appear on the charts which have no facilities for launching boats. These areas are usually privately owned and are well known locally.

Two chart letters are submitted. One for the radio and Television towers at Savannah and one for the same at Augusta.

There are no storm warnings displayed.

All landmarks and aids to navigation were thoroughly investigated.

There were no regulations governing the operation of small craft.

Submitted:
September 1, 1965

Joseph K. Wilson
Chief Photo Party 759

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

U. S. COAST AND GEODETIC SURVEY

**TO BE CHARTERED
TO BE DELETED**

STRIKE OUT ONE

NONFLOATING AIDS OR LANDMARKS FOR CHARTS

NORFOLK. VIRGINIA

SEPT.

1965

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

The positions given have been checked after listing by

L. SULLIVAN
J. Sullivan

THE

Chief of Party.

[illegible]

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

NONFLOATING-AIDS OR LANDMARKS FOR CHARTS

TO BE CHARTED
TO BE DELETED

STRIKE OUT ONE

NORFOLK, VIRGINIA

SEPT., 1965

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

L. SULLIVAN *L. Sullivan*

The positions given have been checked after listing by

R. J. PATE *R. J. PATE*

J. BULL

Chief of Party.

STATE	GEORGIA	CHARTING NAME	DESCRIPTION	SIGNAL NAME	POSITION							METHOD OF LOCATION AND SURVEY NO.	DATE OF LOCATION	HARBOR CHART	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTED
					LATITUDE*		LONGITUDE*										
					°	'	D. M. METERS	°	'	D. P. METERS							
					°	'	D. M. METERS	°	'	D. P. METERS							
		TANK	STEEL 4 LEGGED SILVER COLOR HT. = 130 (145) FT.		32	04	37.33	02.74	81	03	71.5	NA 1927 MERC.	PHOTO T-128328	2-26-65 Aug. 25	X	X	1110 1210 6346.0.
		TOWER	TRANSMISSION, STEEL, RED, WHITE HT. = 271 (276) FT.		32	04	53.21	58.17				"	"	"	X	X	"
		DOMES	(Savannah, City Hall Dome 1932) METAL COVERED, GREEN, HT. = 135 (170) FT.		32	04	1633.0	81	02	1520.0		"	"	"	X	X	"
							51.19	28.67				"	"	"			"
							1571.0	749.1				"	"	"			"
		STACK	(Savannah, Power House Stack, East, 1932) CONCRETE, GRAY COLOR HT. = 243 (253) FT.		32	04	59.93	44.21				"	"	"	X	X	"
							1839.2	1155.3				"	"	"			"
		STACK	(Savannah, Power House Stack, West, 1932) CONCRETE, GRAY COLOR HT. = 248 (258) FT.		32	05	00.67	45.68				"	"	"	X	X	"
							20.6	1193.6				"	"	"			"
		WANDPIPE	(Standpipe, 1918) CONCRETE LIGHT GRAY, HT. = 192 (197) FT.		32	05	15.82	14.96				"	"	"	X	X	"
							485.6	390.8				"	"	"			"
			(Savannah, St. Johns Cathedral, East Spire, 1932) TALL, SLENDER, CROSS ATOP, HT. = 214 (254) FT.		32	04	23.73	29.04				"	"	"			"
							728.2	758.8				"	"	"	X	X	"
		TWIN SPIRES	(Savannah, St. Johns Cathedral, West Spire, 1932) GRAY TALL, SLENDER, CROSS ATOP, HT. = 214 (254) FT.		32	04	23.17	29.15				"	"	"			"
							711.7	761.6				"	"	"	X	X	"
												"	"	"			"
		TOWER	STEEL, RED, WHITE HT. = 490 (535) FT.		32	04	06.54	35.75				"	"	"	X	X	37
							200.8	934.2				"	"	"			"

This form shall be prepared in accordance with Hydrographic Manual, pages 800 to 804. Positions of charted landmarks and nonfloating

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

U. S. COAST AND GEODETIC SURVEY

NONFLOATING AIDS OR LANDMARKS FOR CHARTS

STRIKE OUT ONE

TO BE CHARTED
~~TO BE DELETED~~

NORFOLK, VIRGINIA

Sept

1995

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

A. SANTILLAN

The positions given have been checked after listing by R. J. PATE

J. BULL.

Chief of Party.

STATE			GEORGIA			POSITION										METHOD OF LOCATION AND SURVEY No.			DATE OF LOCATION		HARBOR CHART		INSHORE CHART		OFFSHORE CHART		CHARTS AFFECTED	
CHARTING NAME	DESCRIPTION	SIGNAL NAME	LATITUDE *			LONGITUDE *			DATUM	METHOD OF LOCATION AND SURVEY No.	DATE OF LOCATION	HARBOR CHART	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTED													
			°	'	"	°	'	"																				
TANK	STEEL, BLACK, HT = 178 (210) Ft.		32	04	38.57				NA 1927	PHOTO	MAR 25	X			440													
TOWER	TRANSMISSION, STEEL, RED, WHITE HT. = 274 (279) Ft.		32	04	38.57	81	05	01.61	MERC.	T-128328	2-26-65	X			634 S.C.													
TANK	(Tank U.S.E. (Ga.) (Savannah)) 1934		32	04	38.57	81	03	03.77	"	"	"	X			"													
TOWER	WOOD, RED, HT = 74 (84) Ft.		32	04	38.57	81	04	148.12	"	"	"	X			"													
TOWER	RR. BRIDGE TOWER EAST ONE		32	06	15.31	81	07	01.71	"	"	"	X			440													
TANK	STEEL, HT = 184 (197) Ft.		32	06	169.9	81	07	44.8	"	"	"	X			634 S.C.													
TOWER	(North of Savannah Silver Twin Tanks, East one, 1933) CERTAINTED		32	06	38.91	81	07	35.10	"	"	"				"													
TOWER	PRODUCT INC. STEEL		32	06	1194.5	81	07	917.1	"	"	"				"													
TOWER	HT. = 146 (156) Ft.								"	"	"				"													
TANK	R.R. BRIDGE TOWER WEST ONE		32	06	13.70	81	07	03.82	"	"	"	X			"													
TOWER	STEEL HT. = 184 (197) Ft.		32	06	120.5	81	07	92.9	"	"	"	X			"													
TANK	STEEL DOCKS, PORT AUTHORITY, STEEL, 8 LEGGED, HT. = 132 (142) Ft.		32	07	267.8	81	08	148.7	"	"	"	X			"													
TOWER	TRANSMISSION - WEST ONE - STEEL, RED, WHITE, HT = 231 (241) Ft.		32	08	51.15	81	08	38.78	"	T-12832N	"	X			"													
TOWER	TRANSMISSION, EAST ONE, STEEL, RED, WHITE, HT = 232 (242) Ft.		32	08	1570.8	81	08	1613.2	"	T-12832S	"	X			"													
TOWER			32	08	54.45	81	08	29.85	"	"	"	X			"													
TOWER			32	08	1672.2	81	08	779.9	"	"	"	X			"													

This form shall be prepared in accordance with Hydrographic Manual, pages 800 to 804. Positions of charted landmarks and *nonfloating*

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

NONFLOATING AIDS OR LANDMARKS FOR CHARTS

TO BE CHARTED
TO BE DELETED

STRIKE OUT ONE

NORFOLK, VIRGINIA

SEPT.

1945

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

L. SULLIVAN *L. Sullivan*

The positions given have been checked after listing by

R. J. PATS *R. J. Pats*

J. FULL

Chief of Party.

STATE	CHARTING NAME	DESCRIPTION	SIGNAL NAME	POSITION				METHOD OF LOCATION AND SURVEY NO.	DATE OF LOCATION	HARBOR CHART	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTED
				LATITUDE *		LONGITUDE *							
				° ' "	D.M. METERS	° ' "	D.P. METERS						
GEORGIA		SAVANNAH RIVER											
		WRECK'S CHANNEL											
	50	FIG ISLAND JETTY LIGHT 50 Red square daymark on dolphin		32 04 51.16	01 02	55.97		NA 1927 PHOTO	MAR. 65				440
		L.L. 4594		32 04 1570.0	01 02	1462.5		MERC. 1-128325	6-31-65	X			614 S.C.
	51	FIG ISLAND LIGHT 51 Black square daymark on dolphin		32 04 46.83	01 03	37.59					X		"
		CITY FRONT CHANNEL LIGHT 52		32 04 44.72	01 03	982.2							"
		Red triangular day mark on dolphin		32 04 45.92	01 03	27.74							"
	52	L.L. 4592		32 04 40.93	01 03	724.9					X		"
		ABOVE SAVANNAH KINGS ISLAND CHANNEL											
	2	LIGHT 2, Red, triangular daymark on dolphin		32 07 04.95	01 07	17.03							"
		CHANNEL LIGHT 4		32 07 52.9	01 07	1228.6					X		"
	4	Red triangular daymark on dolphin		32 07 18.69	01 07	50.01							"
		CHANNEL LIGHT 6		32 07 57.38	01 07	1515.7							"
	6	Red triangular day mark on dolphin		32 07 37.75	01 08	07.74							"
		CHANNEL LIGHT 8		32 07 11.58.9	01 08	202.3		1-128328			X		"
	8	Red triangular daymark on dolphin		32 07 50.26	01 08	10.42		1-128328			X		"
		L.L. 4593		32 07 15.3.1	01 08	272.3					X		"
		WHITEHALL CHANNEL											
	10	CHANNEL LIGHT 10 Red triangular daymark on dolphin		32 07 57.95	01 08	18.24							"
		L.L. 4595		32 07 1779.1	01 08	176.5					X		"
7	RANGE 4, Red, triangular daymark on dolphin		32 07 12.42	01 08	21.64							"	
	WHITEHALL LIGHT 7, White diamond daymark on dolphin		32 07 1302.5	01 08	555.5					X		"	
7	RANGE 1 FRONT LIGHT 7, White diamond daymark on dolphin		32 07 18.59	01 08	24.58							"	
	L.L. 4596		32 07 14.2.0	01 08	611.0							"	

This form shall be prepared in accordance with Hydrographic Manual, pages 800 to 804. Positions of charted landmarks and nonfloating

STRIKE OUT ONE

NORFOLK, VIRGINIA

SEPT. 1965

The positions given have been checked after listing by A. SANTILLAN *A. Santillan*

J. BULL.

Chief of Party.

This form shall be prepared in accordance with Hydrographic Manual, pages 800 to 804. Positions of charted landmarks and *nonfloating* aids to navigation if redetermined shall be entered on this form. The data should be considered for the charts of the area and not for the chart of the area in which the aid is located.

STRIKE OUT ONE

SEPT. 65

St. Gallen

WAITING T.

J. ELLI

Chief of Party.

[illegible]

This form shall be prepared in accordance with Hydrographic Manual, pages 800 to 804. Positions of charted landmarks and *nonfloating aids* to navigation, if redetermined shall be reported on this form. The data should be considered for the charts of the area and not by

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

NONFLOATING AIDS OR LANDMARKS FOR CHARTS

TO BE CHARTED
TO BE DELETED

STRIKE OUT ONE

NORFOLK, VIRGINIA

SEPT.

1965

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

The positions given have been checked after listing by

A. Santillian

R. J. Lake
H. Santillian

J. BULL

Chief of Party.

STATE	CHARTING NAME	DESCRIPTION	SIGNAL NAME	POSITION						METHOD OF LOCATION AND SURVEY No.	DATE OF LOCATION	HARBOR CHART	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTED
				LATITUDE *		LONGITUDE *									
				° ' "	D. M. METERS	° ' "	D. P. METERS								
11	SAVANNAH RIVER	WHITEHALL CHANNEL		32 07	53.19	81 08	30.08	NA 1927 PHOTO	MAR. 65	8-31-65	X			440	
	32 07			1633.1	81 08	786.1	MERC. T-12832N	T-12832S							
11		RANGE 2 REAR LIGHT, white circular daymark on skeleton tower L.L. 4600		32 07	38.86	81 08	38.86	"	"	"	X			634 S.C.	
		RANGE 2 FRONT LIGHT, white circular daymark on dolphin L.L. 4599		32 07	1807.0	81 08	806.4	"	"	"	X			"	
15	DAYBEACON 15	WHITEHALL CHANNEL		32 08	24.31	81 08	39.47	"	"	"	X			"	
	32 08			746.6	81 08	1031.4	"	"	"	"	"	"	"		
17	DAYBEACON 17			32 08	36.65	81 08	36.49	"	"	"	X			"	
	White triangular daymark on pile structure L.L. 4602			32 08	1125.3	81 08	953.5	"	"	"	X			"	
20	RANGE REAR DAYBEACON 20	PORT WENTWORTH CHANNEL		32 08	52.32	81 08	28.63	"	"	"				"	
	32 08			1606.6	81 08	746.1	"	"	"	"	"	"	"		
20	White circular daymark on pile			32 08	54.83	81 08	32.31	"	"	"	X			"	
	RANGE FRONT DAYBEACON 20			32 08	1683.6	81 08	644.4	"	"	"	X			"	
	White diamond daymark on pile			32 09	01.89	81 08	35.66	"	"	"	X			"	
22	RANGE REAR DAYBEACON 22			32 09	57.9	81 08	931.7	"	"	"	X			"	
	White circular daymark on tripod L.L. 4602			32 09	57.51	81 08	34.48	"	"	"	X			"	
22	RANGE FRONT DAYBEACON 22			32 08	1766.0	81 08	900.9	"	"	"	X			"	
	White diamond daymark on pile			32 08	1766.0	81 08	900.9	"	"	"	X			"	

This form shall be prepared in accordance with Hydrographic Manual, pages 800 to 804. Positions of charted landmarks and nonfloating



NONFLOATING AIDS OR LANDMARKS FOR CHARTS

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

STRIKE OUT TWO

SEPT. 1965

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

The positions given have been checked after listing by R. J. PATE 4/9/52

THE

Chief of Party.

[illegible]

This form shall be prepared in accordance with Hydrographic Manual, Publication 20.2, Sec. 6-36, Fig. 79. Positions of charted landmarks and non-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**

DISCOMM-DC 25412-P61



DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

NONFLOATING AIDS OR LANDMARKS FOR CHARTS

~~TO BE DELETED~~

STRIKE OUT ONE

NORFOLK, VIRGINIA

TESTS.

1965

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

R. J. PATR

The positions given have been checked after listing by

J. EARL

Chief of Party.

STATE		GEORGIA AND SOUTH CAROLINA		POSITION							METHOD OF LOCATION AND SURVEY NO.		DATE OF LOCATION		HARBOR CHART		INSHORE CHART		OFFSHORE CHART		CHARTS AFFECTED	
CHARTING NAME	DESCRIPTION	SIGNAL NAME	LATITUDE *		LONGITUDE *		DATUM	METHOD OF LOCATION AND SURVEY NO.	DATE OF LOCATION	HARBOR CHART	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTED									
			D. M. METERS	D. P. METERS	D. M. METERS	D. P. METERS																
3	SAVANNAH RIVER ABOVE SAVANNAH DAYBEACON 3 Black pointer on pile		32 27	53.15 1002.3	81 11	53.68 1107.6	NA 1927 MERC. 1-12828S		MAR. 45 8-31-65				634 S.C.									
	DAYBEACON 4 Red pointer on pile		32 28	54.80 1089.2	81 12	55.88 1160.1	" "		" "				"									
5	DAYBEACON 5 Black pointer on pile		32 29	27.64 851.9	81 13	30.11 794.7	" "		" "				"									
	DAYBEACON (No Number) Black pointer on pile		32 30	49.59 1529.1	81 13	58.27 1522.7	" "		" "				"									
	DAYBEACON (No Number) Black pointer on pile		32 31	17.45 538.2	81 15	28.13 750.6	" "		" "				"									

This form shall be prepared in accordance with Hydrographic Manual, pages 800 to 804. Positions of charted landmarks and *nonfloating aids* to navigation, if reetermined, shall be reported on this form.



DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

U. S. COAST AND GEODETIC SURVEY

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

STRIKE OUT ONE

NONFLOATING AIDS OR LANDMARKS FOR CHARTS

MOORE & WHEELER

TESTS

1965

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

The positions given have been checked after listing by

R. J. PATR

R. J. Pate

J. BULL

Chief of Party.

[illegible]

This form shall be prepared in accordance with Hydrographic Manual, pages 800 to 804. Positions of charted landmarks and *nonfloating*

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEYNONFLOATING AIDS OR LANDMARKS FOR CHARTS
NORFOLK, VIRGINIATO BE CHARTED
~~TO BE DELETED~~

STRIKE OUT ONE

SEPT. 65
19

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

The positions given have been checked after listing by A. SANTILLAN *G. Santillan* J. BULL

STATE				GEORGIA AND SOUTH CAROLINA				Chief of Party.										
CHARTING NAME	DESCRIPTION	SIGNAL NAME	POSITION										METHOD OF LOCATION AND SURVEY No.	DATE OF LOCATION	HARBOR CHART	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTED
			LATITUDE *		LONGITUDE *		DATUM											
			°	'	D.M. METERS	°		'	D.P. METERS									
	SAVANNAH RIVER																	
	ABOVE SAVANNAH																	
	DAYBEACON (No Number)																	
	Red pointer on pile		32	34	57.00	81	20	1927	PHOTO	8-31-65							634 S.C.	
	DAYBEACON 18		32	34	53.76	81	21	"	"	"							"	
8	Red pointer on pile																	
	DAYBEACON 20		32	35	55.83	81	22	"	"	"							"	
20	Red pointer on pile																	
	DAYBEACON (No Number)		32	35	57.2	81	23	"	"	"							"	
	Red pointer on pile																	
	DAYBEACON (No Number)		32	35	58.5.8	81	23	"	"	"							"	
	Black pointer on pile																	
	DAYBEACON (No Number)		32	36	58.70	81	23	"	"	"							"	
	Black pointer on pile																	
	DAYBEACON (No Number)		32	36	58.4	81	24	"	"	"							"	
	Black pointer on pile																	
	DAYBEACON (No Number)		32	36	50.5	81	24	"	"	"							"	
	Black pointer on pile																	
	DAYBEACON (No Number)		32	37	58.76	81	24	"	"	"							"	
	Black pointer on pile																	

This form shall be prepared in accordance with Hydrographic Manual, pages 800 to 804. Positions of charted landmarks and nonfloating

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

STRIKE OUT TWO

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

The positions given have been checked after listing by

TUE

Chief of Party.

[illegible]

This form shall be prepared in accordance with Hydrographic Manual, Publication 20.2, Sec. 6-36, Fig. 79. Positions of charted landmarks and non-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



NONFLOATING AIDS OR LANDMARKS FOR CHARTS

TO BE CHARTED
TO BE REVISED
TO BE DELETED

STRIKE OUT TWO -

NORFOLK: VIRGINIA

4961. Sept

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

rted on (~~deleted from~~) the charts indicated.

The positions given have been checked after listing by A. SANTILLAN *A. Santillan*

FILE 5

Chief of Party:

[illegible]

This form shall be prepared in accordance with Hydrographic Manual, Publication 20.2, Sec. 6-36, Fig. 79. Positions of charted landmarks and non-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

REVIEW REPORT T-12826 through T-12832
COMPILATIONS FOR SMALL CRAFT CHART 634
January 1966

61. General Statement

See Summary (Page 6) in this Descriptive Report.

62. Comparison with Registered Topographic Surveys

T-5137, 1:20,000 1933 for T-12831

T-5141 1:10,000 1933 for T-12832 N/2 and S/2
T-5142 1:10,000 1933

No other registered surveys are available.

A Comparison ozalid for each of: T-12831, T-12832 N/2 and T-12832 S/2 is submitted. The Comparison ozalid for T-12831 shows shifts as much as 40 meters in the position of the Savannah River, particularly between latitude $32^{\circ} 15'$ and $32^{\circ} 19'$. River changes shown on the Comparison ozalid for T-12832 N/2 and S/2 are not shifts, but appear to be due to widening the channel and silting in the BACK RIVER.

It is noted that on T-5137 the latitude lines are 1° off perpendicular from the central meridian, skewing the projection 5.0 m.m. three minutes from the central meridian.

63. Comparison with Maps of Other Agencies

HARDEEVILLE NW (Ga.)	1:24,000	1962	for	T-12829 & T-12830
RINCON	"	"	"	"
HARDEEVILLE	"	"	"	T-12830 & T-12831
PORT WENTWORTH	"	1955	"	T-12831 & T-12832
LIMEHOUSE	"	"	"	"
SAVANNAH	"	"	"	T-12832

Comparison ozalid prints are submitted for T-12829, T-12830, T-12831, T-12832 N/2 and T-12832. Changes are relatively minor, the quadrangles show no obstructions in the Savannah River and no aids to navigation.

63. Comparison with Maps of Other Agencies (cont.)

The remaining maps have 1:62,500 scale quadrangle coverage dating 1938 and 1941. The obvious changes are "cut offs" in the Savannah River.

64. Comparison with Contemporary Hydrographic Surveys

None Available.

65. Comparison with Nautical Charts

Chart 440 1:40,000 30th Edition December 7, 1964.

T-12832 S/2 is the only one of these maps for which any chart coverage exists; see the ozalid comparison print for it.

66. Adequacy of Results and Future Surveys

These maps meet the National Standards of Map Accuracy and comply with Bureau requirements.

Any future survey should check whether the objects on T-12831 along the west bank of the Savannah River near latitude 32° 18.4' are piers, barges or sunken barges.

Reviewed by:

S. G. Blankenbaker
S. G. Blankenbaker

Charles T. ...
Chief, Photogrammetric Branch

Ralph Sobczakski
Chief, Photogrammetry Division

John P. ...
Chief, Marine Charts Division

NONFLOATING AIDS OR LANDMARKS FOR CHARTS

70-85-51475
TO BE REVISED
70-85-51475-

STAKE OUT TWO

Norfolk, Virginia

December 13, 1965

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

The positions given have been checked after listing by

Leo F. Beuznet

Joseph Steinberg **Chief of Party.**

Joseph Steinberg

[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

NYC 10294-P 01

December 13, 1965

The positions given have been checked after listing by

Joseph Steinberg *Chief of Party.*

WJSCOMM-DC 10234-P01

PH-91-66 (Cont.)

LETTER TRANSMITTING DATA

DATA AS LISTED BELOW WERE FORWARDED TO YOU
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26 January 1966

NUMBER OF PACKAGES

4

THE DIRECTOR
COAST & GEODETIC SURVEY
WASHINGTON SCIENCE CENTER
ROCKVILLE, MARYLAND 20852

ATTN: c 141

NOTE: A separate transmittal letter is to be used for each type of data, as tidal data, seismology, geomagnetism, etc. State the number of packages and include an executed copy of the transmittal letter in each package. In addition the original and one copy of the letter should be sent under separate cover. The copy will be returned as a receipt. This form should not be used for correspondence or transmitting accounting documents.

PH-6501 (21510) SAVANNAH RIVER (Cont.)

PACKAGE NO. 4 (Cont.)

Contact Prints -(Bridging)

64 M 4477 thru 4486, 4490 and 4491

64 S 9552 thru 9563, (9555 and 56 with Field Edit)

" " 9594 " 9597

" " 9601 " 9609 (9607 & 09 with Field Edit)

Contact Prints, with no data

64 S 9554, 9555, 9557, 9559, 9561, 9594, and 9609

FROM
Norfolk

CLASSIFIED
FILED IN RECORDS &
INFORMATION SECTION
(PHOTOGR. DIVISION)

FROM: (Signature)

Joseph Steinberg, For Director, Atlantic Marine Center

Return receipted copy to:

NORFOLK REGIONAL OFFICE
439 W. YORK STREET
NORFOLK, VIRGINIA 23510

RECEIVED THE ABOVE
(Name, Division, Date)

PH-166-66

LETTER TRANSMITTING DATA

TO:

THE DIRECTOR
COAST & GEODETIC SURVEY
WASHINGTON SCIENCE CENTER
ROCKVILLE, MARYLAND 20852

ATTN: C 141

DATA AS LISTED BELOW WERE FORWARDED TO YOU
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Project 21510
SAVANNAH RIVER (Small craft charts)

Contact photos with control identification

64 S 9529, 30, 31
64 M 4476
5 Forms 152 (CSI)

Sam: These were erroneously mis-filed and recently found. Thought you should have them.

A1

ATTN: Mr. Sam Blankenbaker

FROM: (Signature)

Joseph Steinberg, For Director, Atlantic Marine
Center

Return receipted copy to:

ENVIRONMENTAL SCIENCE SERVICES ADMINISTRATION
ATLANTIC MARINE CENTER
439 W. YORK STREET
NORFOLK, VIRGINIA 23510

RECEIVED THE ABOVE
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U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

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PH-91-66 (Cont.)

LETTER TRANSMITTING DATA

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26 January 1966

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4

TO:

THE DIRECTOR
COAST & GEODETIC SURVEY
WASHINGTON SCIENCE CENTER
ROCKVILLE, MARYLAND 20852

C 141

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PH-6501 (21510) SAVANNAH RIVER (Cont.)

PACKAGE NO. 2 (Cont.)

BLACK & WHITE CONTACT PRINTS (Bridging, Field Inspection, & Field Edit)

64 S 1323A thru 1339A (2 of 1323A & 1324A)

" " 1348A " 1355A, 1369A thru 1372A

" " 1377A " 1380A, 1397A thru 1399A

" " 1400A " 1406A, 1408A " 1416A (2 of 1412 A thru 1414A)

" " 9500 " 9506, 9527 (2) " 9534

" " 9546 (2) " 9551, 9564, 9565, 9592, 9593

" " 9610 thru 9612 (2 of 9611), 9627 thru 9635

" " 9654 " 9674

65 M 4474, 4475, 4487, 4488, 4492 thru 4499

" " 4513 thru 4524

1- Set So. Carolina, South Zone, Grid Intersection

1- Set Georgia, East Zone, Grid Intersection

PH-6501 (21510) SAVANNAH RIVER,
CHART TOPOGRAPHY

PHOTOGRAPHS FORWARDED TO
FEDERAL RECORDS CENTER

64S 1323A THRU 1339A 64M 4511 (2 PRINTS)

1348A THRU 1355A 4513

1377A THRU 1380A 4514

1369A THRU 1372A 4515 (2 PRINTS)

1397A THRU 1406A 4516 (2 PRINTS)

1408A THRU 1416A 4517 (2 PRINTS)

4518

64S 9500 THRU 9506 4519

9527 THRU 9528 4520 (2 PRINTS)

9529 (2 PRINTS) 4521 (2 PRINTS)

9530 (") 4522

9531 (") 4523

9532 THRU 9534 4524

9546 THRU 9551

9564 and 9565 64M 4434 THRU 4441

9592 and 9593 64M 4471

4474 (2 PRINTS)

64S 9627 THRU 9635 4475

9610 - 9611 - 9612 4476 (2 PRINTS)

9654 - 9655 - 9656 4487 (2 PRINTS)

9674 4488

FILED IN RECORDS & INFORMATION SECTION
(CLASSIFIED PHOTOGRAPHS) 4494 (2 PRINTS)

REFER TO TRANSMITTAL dated, 4497

26, Jan. 1966 4499

