

# 10822

ORIGINAL

Diag. Cht. Nos. 1110 and 1239-2.

Form 504	
U. S. DEPARTMENT OF COMMERCE	
COAST AND GEODETIC SURVEY	
DESCRIPTIVE REPORT	
Type of Survey	PLANIMETRIC
Field No. Ph-5801	Office No. T-10822
LOCALITY	
State	SOUTH CAROLINA
General locality	COOPER RIVER
Locality	SNOW POINT TO BUSHY PARK
19 58	
CHIEF OF PARTY	
Arthur L. Wardwell, Tampa Photo. Office	
LIBRARY & ARCHIVES	
DATE	August 1962

USCOMM-DC 5087

22301

DESCRIPTIVE REPORT - DATA RECORD

T - 10822

Project No. (II): Ph-5801      Quadrangle Name (IV):

Field Office (II): Moncks Corner, S. C.

Chief of Party: Arthur L. Wardwell

Photogrammetric Office (III): Tampa, Fla.

Officer-in-Charge: Arthur L. Wardwell

Instructions dated (II) (III): 23 July 1958

Copy filed in Division of  
Photogrammetry (IV)

Method of Compilation (III): Kelsh plotter

Manuscript Scale (III): 1:10,000

Stereoscopic Plotting Instrument Scale (III): 1:6,000

Scale Factor (III): Pantographed to 1:10,000

Date received in Washington Office (IV):

Date reported to Nautical Chart Branch (IV):

Applied to Chart No.

Date:

Date registered (IV): Oct 3, 1961

Publication Scale (IV):

Publication date (IV):

Geographic Datum (III): N. A. 1927

MHW Vertical Datum (III):

Mean sea level except as follows:  
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): FOSTER 1928

Lat.: 32°58'33.090" (1019.4 m.)      Long.: 79°56'46.295" (1202.1 m.)

Adjusted  
Unadjusted

Plane Coordinates (IV):

State: So. Carolina      Zone: south

y = 417,285.18 Ft.

x = 2,323,169.77 Ft.

Roman numerals indicate whether the item is to be entered by (II) Field Party, (III) Photogrammetric Office,  
or (IV) Washington Office.

When entering names of personnel on this record give the surname and initials, not initials only.



DESCRIPTIVE REPORT - DATA RECORD

Field Inspection by (II): George E. Varnadoe Date: Sept. 1958

Planetable contouring by (II): Inapplicable Date:

Completion Surveys by (II): Date:

Mean High Water Location (III) (State date and method of location): Air Photo Compilation  
Date of photography - May 1958

Projection and Grids ruled by (IV): P. Dempsey (W.O.) Date: Aug. 1958

Projection and Grids checked by (IV): R. D. Shoup (W.O.) Date: Aug. 1958

Control plotted by (III): E. T. Ogilby Date: Nov. 1958

Control checked by (III): E. Pursel Date: Nov. 1958

~~Radial Plot or Stereoscopic~~ Washington Office Date: Dec. 1958  
Control extension by (III):

Planimetry E. T. Ogilby Date: Dec. 1958

Stereoscopic Instrument compilation (III): Contours Inapplicable Date:

Stereoscopic Instrument Review: I. I. Saperstein Date: Feb. 1959

Manuscript delineated by (III): E. T. Ogilby Date: Feb. 1959

Photogrammetric Office Review by (III): W. H. Shearouse Date: Mar. 1959

Elevations on Manuscript Inapplicable Date:  
checked by (II) (III):

DESCRIPTIVE REPORT - DATA RECORD

4

Camera (kind or source) (III): WILD "L"- Infra Red  
WILD "S"- Panchromatic

~~PHOTOGRAPHS~~ (III) DIAPOSITIVES

Number	Date	Time	Scale	Stage of Tide
58-L-3632	9 May 1958	0859	1:30,000	0.4
58-L-3633	"	0860	"	0.4
58-S-3095	"	1038	"	1.7
58-S-3096	"	1039	"	Inapplicable
58-S-3097	"	1040	"	"

Tide (III)  
Predicted

Reference Station: CHARLESTON  
Subordinate Station: Red Bank Landing  
Subordinate Station:

Ratio of Ranges	Mean Range	Spring Range
	5.1	6.0
-0.2	4.9	5.8

Washington Office Review by (IV): *W. Steffler*

Date: *Aug. 1961*

Final Drafting by (IV): *Tampa District Office*

Date: *Febr. 1959*

Drafting verified for reproduction by (IV): *W. Steffler*

Date: *Aug. 1961*

Proof Edit by (IV):

Date:

Land Area (Sq. Statute Miles) (III): 21  
Shoreline (More than 200 meters to opposite shore) (III): 22  
~~Shoreline (Less than 200 meters to opposite shore) (III):~~

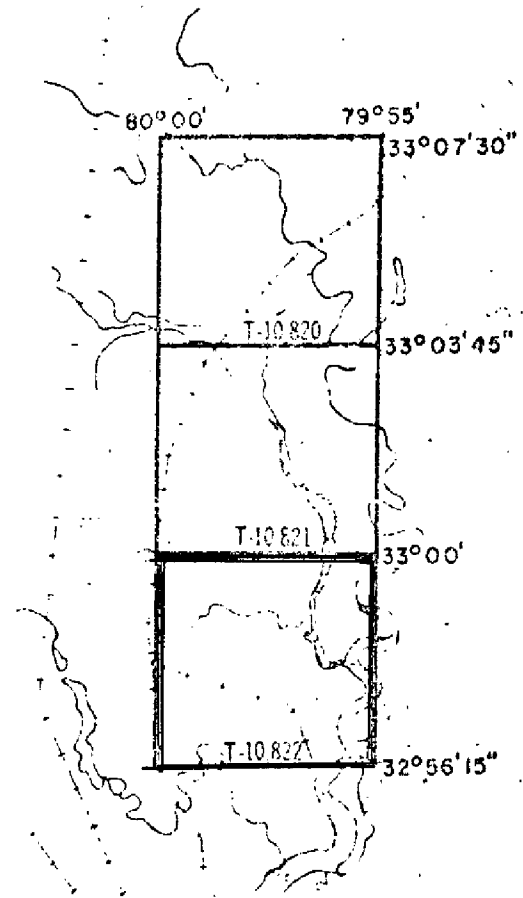
Control Leveling - Miles (II): Inapplicable  
Number of Triangulation Stations searched for (II): 16 Recovered: 7 Identified: 6  
Number of BMs searched for (II): 0 Recovered: 0 Identified: 0  
Number of Recoverable Photo Stations established (III): 1  
Number of Temporary Photo Hydro Stations established (III): 0

Remarks:

PROJECT PH-5801

Planimetric Mapping  
 South Carolina, Back River

Scale 1:10,000

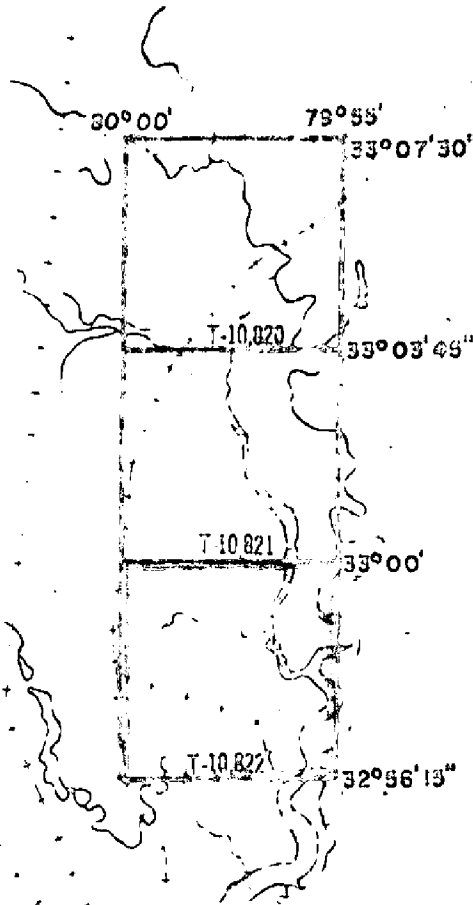


Official Milage for Cost Accounts

Sheet No.	Area Sq. Mi.	Shoreline Lin. Mi.
T-10820	21	17
T-10821	21	19
T-10822	21	22
Totals	<u>63</u>	<u>58</u>

Planimetric Mapping  
 South Carolina, Back River

Scale 1:10,000



Official Mileage for Cost Accounts

Sheet No.	Area Sq. Mi.	Shoreline Lin. Mi.
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T-10822	21	22
<b>Total</b>	<b>63</b>	<b>58</b>

**SUMMARY  
TO ACCOMPANY PLANIMETRIC MAP MANUSCRIPTS  
T-10820 through T-10822**

Subject surveys represent project FH-5801.

It is located in the State of South Carolina and covers the Back River and portions of the Cooper River directly north of the City of North Charleston.

The purpose of the three (3) surveys is to provide new planimetric maps for nautical charting.

A stereoplanigraph bridging plot of subject surveys was done in the Washington Office in December 1958. The manuscripts were compiled in pencil by Kelsh Plotter from Wild "L" and "S" photography of May 1958 and results of field inspection of September 1958 at the Tampa District Office. Subsequently scribed and completed at the Tampa District Office, the submitted map manuscripts are well suited for the direct reproduction of file copies.

A stable film positive at the compilation scale of 1:10,000 and the Descriptive Report of each will be registered and filed in the Bureau Archives.

August 1961



FIELD INSPECTION REPORT

PROJECT PH-5801

SHEETS T-10820 THROUGH T-10822

2. AREAL FIELD INSPECTION --

The greater part of the land area is woodland. These trees range from young planted pine to virgin trees up to four feet in diameter. Included in these woodland areas are several plantations, some of which date back more than 200 years. Most of them have been either subdivided or made into private hunting clubs. Therefore, except for a few through roads, most are private and have locked gates.

It will be noted that many narrow strips of marsh and/or trees appear paralleling, as well as forming many patterns off the channel of Cooper River. These are old man-made dikes which enclosed private duck ponds. These dikes, due to the apparent raising of the water table in the upper part of the river, via a large canal emptying into the river from lakes above, are deteriorating rapidly and now, for the most part, are only a few inches above mean high water. They support vegetation ranging from marsh, sawgrass, and reeds through swamp trees to pines on the higher ones. The ponds in back of these old dikes have the same water level as the river, due to many breaks in the old dikes and what was evidently part marsh at one time is now all water. These water areas are shallow and are foul with many stakes, small piling and tree stumps.

It is believed that the field inspection is complete. In some areas it is difficult to determine the line between trees and swamp, and contrary to nature, some pine appear in swamps in marginal areas. Therefore, many of the swamp areas have been outlined in an effort to aid the compiler.

Field inspection will be found on the following photographs: 58-S-3092, 3095 through 3103, 58-L-3626 through 3635.

3. HORIZONTAL CONTROL --

All C&GS stations were searched for. A sufficient number of these (supplemented by several of other agencies) were identified to satisfy the requirements.

A legend appears on a copy of the project diagram with horizontal control requirements showing stations identified, recovered and not recovered.

The following stations were reported on form 526 as destroyed <sup>or</sup> and not recovered:

DEEP, 1928	SCRUB, 1928	FARM, 1928
PARK, 1928	RUTH, 1928	DIKE, 1928
BOB, 1928	BANK, 1928	BEAST, 1928
BLOW, 1928	MAD, 1934	SOUP, 1928
RAIN, 1928	SONG, 1928	BRANCH, 1928
BABE, 1928	BAD, 1928	SIMS, 1928
		BACK, 1928

Reference marks for four (4) of the above stations were recovered.

4. VERTICAL CONTROL --

Three of the four Tidal Bench Marks in the project were recovered. Two were identified on the photographs.

RECOVERED AND IDENTIFIED ARE:

- SAL RR BRIDGE - COOPER RIVER (West Branch) - BENCH MARK 2
- DEAN HALL - COOPER RIVER - BENCH MARK 1

RECOVERED BUT NOT IDENTIFIED:

- DEAN HALL - COOPER RIVER - BENCH MARK 2

NOT RECOVERED:

- DEAN HALL - COOPER RIVER - BENCH MARK 3

5. CONTOURS AND DRAINAGE --

Contours are inapplicable.

It is believed that all definite drainage, except where obvious on the photographs, has been indicated thereon.

6. WOODLAND COVER --

Classified according to instructions. Swamps and marginal areas are discussed under Item 2.

7. SHORELINE AND ALONGSHORE FEATURES --

The majority of the shoreline is apparent being either marsh or overhanging trees with limbs on the waters edge. Where not apparent, the MHWL has been indicated on the photographs.

Except in a few small areas (which have been indicated) near the southern limit of the project the MHWL and LWL will be covered by the same line.

Bluffs have been indicated and labeled.

All piers have been labeled.

Nothing remains of many boat landings that served the old plantation and they are of no value except as historical landmarks. They and boat landings in use have been labeled.

One submarine cable is in the project. It is alongside the SAL RR Bridge where it crosses the west branch of Cooper River. It was located and labeled.

8. OFFSHORE FEATURES --

Except for the many stakes, stumps and small piling, in the backwaters, discussed under Item 2, there are very few offshore features. The few that do exist have been indicated and labeled on the photographs.

9. LANDMARKS AND AIDS --

Landmarks for Nautical Charts and fixed Aids to Navigation are listed on form 567. There are no interior landmarks, aeronautical aids or floating aids to navigation.

10. BOUNDARIES, MONUMENTS AND LINES --

The only boundary lines in the project are around the U. S. Naval reservation. This is in three parcels of land and the lines have been located and labeled.

11. OTHER CONTROL --

Only two recoverable topographic stations were established. They are ABLE 1958 and BAKE 1958. These along with landmarks and recovered triangulation stations satisfy the spacing requirements in the instructions.

12. OTHER INTERIOR FEATURES --

All roads and some trails were ridden out by truck. They were classified in accordance with the instructions.

Buildings were classified according to instructions.

The clearances of bridges and cables over navigable water were obtained by direct measurements. The two cables are low and their clearances were obtained by determining the water level, below MHW, then casting a small line over the lowest wire, doubling this back to the water and taking half its length. These clearances are shown on the photographs.

13. GEOGRAPHIC NAMES --

The Geographic Names investigation was completed according to the instructions. It is apparent that many of the names of points of prominence over 100 or more years ago are unknown to the present generation. Of 30 or so references contacted only a handful had any knowledge of the area in question. Therefore, the names of all references considered unreliable by this investigator have been omitted from this report.

- A. Mrs. G. E. SULLIVAN  
 ADDRESS - Rice Hope Plantation, Moncks Corner, S. C.  
 OCCUPATION - Fishing Camp Operator  
 YEARS RESIDENT - 17
  
- B. Mrs. VILA MYERS  
 ADDRESS - Rice Hope Plantation, Moncks Corner, S. C.  
 OCCUPATION - Domestic  
 YEARS RESIDENT - 40
  
- C. JOSH SASS  
 ADDRESS - Moncks Corner, S. C. RFD 1, Box 112  
 OCCUPATION - Gardener  
 YEARS RESIDENT - 27
  
- D. K. Y. MYERS  
 ADDRESS - Moncks Corner, S. C.  
 OCCUPATION - Engineer South Carolina State Highway Dept.  
 YEARS RESIDENT - 40
  
- E. WILLIE WILSON  
 ADDRESS - Moncks Corner, S. C.  
 OCCUPATION - Farmer  
 YEARS RESIDENT - 50
  
- F. HERBERT DANGERFIELD  
 ADDRESS - Oakley, S. C.  
 OCCUPATION - Merchant  
 YEARS RESIDENT - 63

//

G. O. H. THOMASON  
ADDRESS - Charleston, S. C. Route A, Box 685  
OCCUPATION - Merchant  
YEARS RESIDENT - 40

SNOW POINT

Name is correctly applied on chart 680.

B  
D

WOODS POINT

Name unknown to all references contacted.  
D knows pier located in vicinity as Woods Pier.

YELLOW HOUSE LANDING

Name unknown to all references contacted except B knew of its existence many years ago but doubts if it still could be found.

PORT TERMINAL

Name is correctly applied on chart 680.

D  
G

FIDDLERS CREEK

Name correctly applied on USGS Quadrangle MELGROVE.

D  
G

FILBIN CREEK

Name unknown to all references contacted.

CEDAR HILL LANDING

Name is correctly applied on chart 680.

F

THE GROVE

A small plantation known as Grove Plantation at one time was located at position shown on chart 680.

F

BIG ISLAND

Name of island located between Back River and Cooper just south of Bushy Park.

C  
D  
F

BIG ISLAND

Island shown on USGS MBLGROVE quadrangle between Back River and Foster Creek is not named.

C  
F  
D

STRAWBERRY LANDING

Name unknown to all references contacted.

C and F state that many years ago a ferry called Strawberry Ferry ran across Cooper River at a point where SAL RR Bridge is now located.

RICE HOPE LANDING

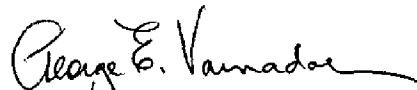
Name given landing located at position of Strawberry Landing on chart 680.

A  
B  
F  
C  
D

COMMINGTEE LAKE

Name is correctly applied on chart 680.

C  
A  
B

  
George E. Varnadoe  
Photo. Engineer

AIR MAIL

711-pj

21 October 1958

To: Mr. George E. Fernandez

Through: Tampa District Office  
Coast and Geodetic Survey  
P. O. Box 190  
Tampa, Florida

Subject: Field Report--Project PH-5801

1. I was particularly interested in the control identification on this project. We have examined this carefully and it is excellent including the selection of substitute stations.
2. We have not yet received the report called for in item 6.03 of your project instructions. I would like to have this report as soon as practicable.
3. We found only one questionable item in the field records for the entire project. This has to do with apparent shoreline. Section 7 of your Field Inspection Report carries the following statement, "The majority of the shoreline is apparent being either marsh or overhanging trees with limbs on the water's edge." In keeping with the latter part of your statement, I noticed that on the field photograph apparent shoreline is shown in front of "tree" areas (tree--not swamp). These trees are apparently growing on fast land but having drooping branches that overhang the shore. In some cases your field inspection notes indicate a narrow fringe of grass and water or marsh in front of the shore.
4. If I understand the condition that is noted in the preceding paragraph, shoreline on the tree areas should be solid, standard shoreline--not apparent shoreline. The grass and water or narrow fringe of marsh might make this apparent if it were wide enough to matter, i.e., a millimeter or more on the map.
5. We have always restricted our use of apparent <sup>shoreline</sup> to marsh, mangrove or swamp areas. Where the shoreline is on solid ground, we have always mapped it a standard shoreline even though it might be obscured by overhanging limbs of trees. I think we must compile this shoreline in accord with our usual practices. But I don't think this calls for any additional field work. The compilers can take care of this in the office.

Mr. George E. Varnadoe

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21 October 1958

6. If you have any questions on my interpretation of the field notes, please write to me.

(signed) E. W. Swanson

L. W. Swanson, Chief  
Photogrammetry Division



PHOTOGRAMMETRIC PLOT REPORT  
Back River, S. C. PH-5801, Scale 1:10,000  
December 1958

21. Area Covered

This plot covers 3 sheets, T-10820, thru T-10822 and lies between 32° 56' 15" - 33° 07' 30" and 79° 55' 00" 80° 00' 00" in the area north of Charleston, South Carolina.

22. Method

The photogrammetric plot consisted of two strips, (STRIP 35 58-L-3625 thru 3636) and (STRIP 36 58-S-3092 thru 3103). The two strips were bridged on the stereoplanigraph and tied together by common triangulation and pass points. This gave complete coverage of the three map manuscripts.

23. Adequacy of Control

The control provided complied with the project instructions and was adequate. Two control stations SS GOOSE (USE) 1933 and KIL, 1934 RM #1 were found to be in error and were not used in either bridge.

The sub station for GOOSE (USE) 1933 was a very sharp point in STRIP 36 but could not be held in the bridge by approximately 30 feet in both X and Y. It is believed that a bad azimuth could have been recorded in the field due to the numerous Tanks in the area of Port Terminal Tank 1933, which was used as the azimuth station. SS GOOSE could not be seen on STRIP 35 due to sun glare.

Station KIL 1934, RM #1 could not be held in either bridge and due to the questionable description the station was eliminated from both strips.

Station BRIDGE 1928, 1932, RM #2 could not be seen clearly on the S photography due to sun glare and was not used in the adjustment of STRIP 35.

24. Supplemental Data

None

25. Photography

The photography for this project was adequate as to coverage, overlap and quality of diapositives. The infra-red (L) photography showed excellent definition of water areas and shoreline detail. However, inland areas showed very poor definition, especially in culture areas. The panchromatic (S) photography was very sharp in inland areas but poor along the shoreline.

*John D Perrow Jr.*  
John D. Perrow, Jr.

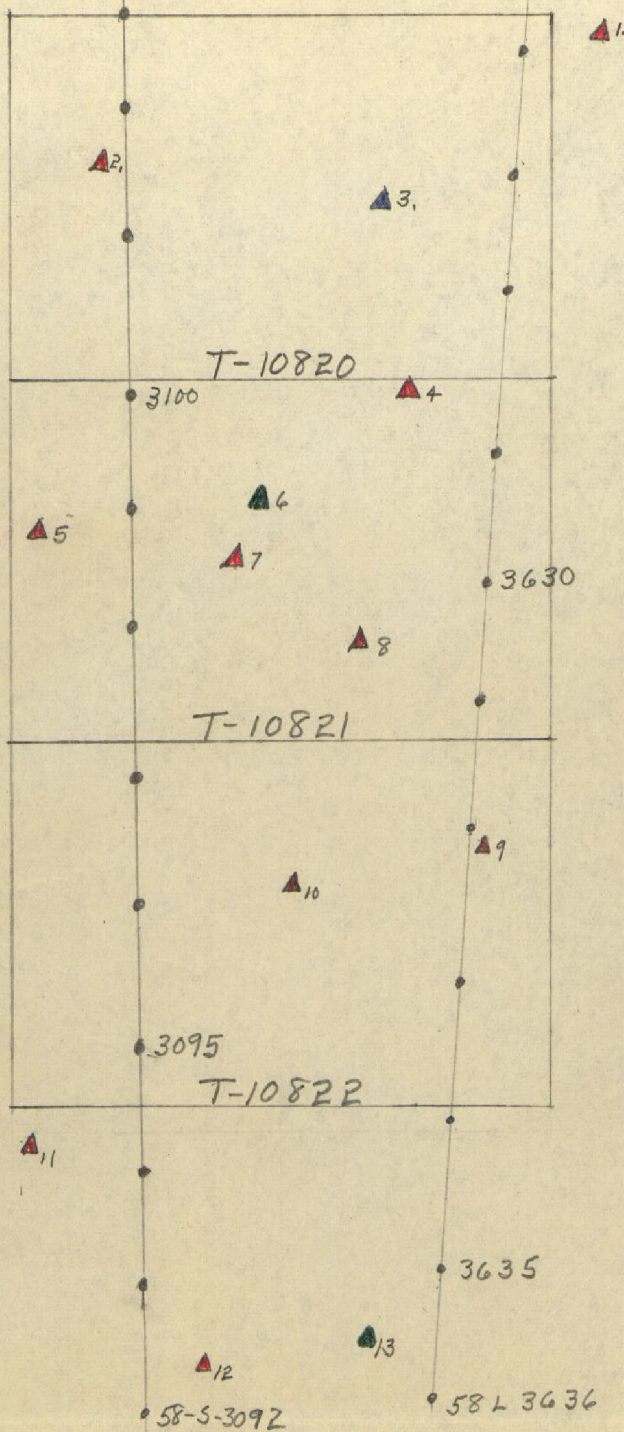
Approved

*Morton Keller*  
Morton Keller

STRIP #35 585-3105

STRIP #36 58 L 3624

PH-5801  
BACK RIVER,  
S. C.



1. ss BK 3, 1935 (SCGS)
2. L 11 WS, 1935 (USGS)
3. ss Bridge, RM#2, 1932
4. ss TEE 5, 1928
5. ss BK 54, 1935 (SCGS)
6. Kil, RM#1, 1934
7. ss Dig, 1934
8. ss Pig, 1934
9. ss Big, 1928
10. ss Foster, 1928
11. ss BK 60, 1935 (SCGS)
12. Port Terminal Tank, 1933
13. ss GOOSE, 1933 (USE)

- ▲ STATIONS Held
- ▲ STATIONS Held only IN STRIP#36
- ▲ STATIONS Not Held

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

MAP T. 10822 PROJECT NO. Ph-5801 SCALE OF MAP 1/10000 SCALE FACTOR 182

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR $\nu$ -COORDINATE LONGITUDE OR $x$ -COORDINATE	X44 meters		DATUM CORRECTION	N.A. 1927 - DATUM		FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS
				DISTANCE FROM GRID IN FEET	PROJECTION LINE IN METERS		FORWARD	(BACK)	
PORT TERMINAL	P.C.		391 387.19 ✓		119, 295.05 ✓				P.E.T.O
TANK 1919, 1933	P-37	NA 1927	2318 163.81 ✓		766, 577.74 ✓		South		P.E.R
	P.C.		391 749.53 ✓		119, 405.50 ✓				
GOOSE (USE) 1933	P-37	NA 1927	2324 512.19 ✓		708, 512.73 ✓		South		
GOOSE (USE)			391 843.83 ✓		119, 434.24 ✓				
SUB STATION	Computed		2324 461.00 ✓		708, 497.13 ✓		South		
	P.C.		418 591.98 ✓		127, 587.09 ✓		OK		
BIG 1928	P-16	NA 1927	2330 255.66 ✓		710, 263.95 ✓				
BIG 1928			418 676.4 ✓		127, 612.83 ✓		✓		
Sub Station	Computed		2330 261.01 ✓		710, 264.98 ✓		✓		
	P.C.		417 285.18 ✓		127, 188.78 ✓		✓		
FOSTER 1928	P-39	NA 1927	2323 169.77 ✓		708, 103.56 ✓		✓		
FOSTER 1928			417 291.87 ✓		127, 190.82 ✓		✓		
Sub Station	Computed		2323 179.73 ✓		708, 106.60 ✓		✓		
BK 60			400 993.55 ✓		122, 223.08 ✓		South		
(SCGS) 1935	P-3	NA 1927	2307 929.46 ✓		703, 458.31 ✓				
BK 60 (SCGS)			401 044.01 ✓		122, 238.46 ✓		South		
Sub Station A	Computed		2307 936.88 ✓		703, 460.57 ✓				
BK 60 (SCGS)			400 929.36 ✓		122, 203.51 ✓		South		
Sub Station B	Computed		2307 973.24 ✓		703, 471.65 ✓				
i.BK 57 1935			418 492.98 ✓		127, 556.91 ✓		West		
(SCGS)	P-3	NA 1927	2305 476.65 ✓		702, 710.67 ✓		✓		
	P.C.		400 448.19 ✓		128, 152.86 ✓				
BLOW, 1928	P-39	NA 1927	2325 072.24 ✓		708, 683.42 ✓				152

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

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MAP T. 10822 PROJECT NO. PH-5801 SCALE OF MAP 1:10,000 SCALE FACTOR

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR Y-COORDINATE LONGITUDE OR X-COORDINATE		X 47 17 meters DISTANCE FROM GRID LINE IN FEET. OR PROJECTION LINE IN METERS		DATUM CORRECTION	N.A. 1927 - DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS		FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS
			FORWARD	(BACK)	FORWARD	(BACK)		FORWARD	(BACK)	
<u>RAIN, 1928</u>	<u>P.C.</u>	<u>NA 1927</u>	<u>422 310.49</u>	<u>✓</u>	<u>128 720.49</u>	<u>✓</u>	<u>✓</u>	<u>PI E.T.O.</u>	<u>X</u>	
	<u>P-39</u>	<u>NA 1927</u>	<u>2323 508.26</u>	<u>✓</u>	<u>708 206.73</u>	<u>✓</u>	<u>✓</u>	<u>E.F.R.</u>	<u>X</u>	
<u>WIND, 1928</u>	<u>P.C.</u>	<u>NA 1927</u>	<u>423 779.05</u>	<u>✓</u>	<u>129 168.11</u>	<u>✓</u>	<u>✓</u>		<u>X</u>	
	<u>P-39</u>	<u>NA 1927</u>	<u>2326 053.52</u>	<u>✓</u>	<u>708 982.53</u>	<u>✓</u>	<u>✓</u>		<u>X</u>	
<u>BOB, 1928</u>	<u>P.C.</u>	<u>NA 1927</u>	<u>419 394.64</u>	<u>✓</u>	<u>127 731.74</u>	<u>✓</u>	<u>✓</u>		<u>X</u>	
	<u>P-39</u>	<u>NA 1927</u>	<u>2322 966.85</u>	<u>✓</u>	<u>708 041.71</u>	<u>✓</u>	<u>✓</u>		<u>X</u>	
<u>BUSHY, 1928</u>	<u>P.C.</u>	<u>NA 1927</u>	<u>425 294.57</u>	<u>✓</u>	<u>129 630.04</u>	<u>✓</u>	<u>✓</u>		<u>X</u>	
	<u>P-16</u>	<u>NA 1927</u>	<u>2331 016.73</u>	<u>✓</u>	<u>710 495.23</u>	<u>✓</u>	<u>✓</u>		<u>X</u>	
<u>PARK, 1928</u>	<u>P.C.</u>	<u>NA 1927</u>	<u>416 963.64</u>	<u>✓</u>	<u>127 090.77</u>	<u>✓</u>	<u>✓</u>		<u>X</u>	
	<u>P-39</u>	<u>NA 1927</u>	<u>2326 626.26</u>	<u>✓</u>	<u>709 157.10</u>	<u>✓</u>	<u>✓</u>		<u>X</u>	
<u>BACK, 1928</u>	<u>P.C.</u>	<u>NA 1927</u>	<u>412 644.38</u>	<u>✓</u>	<u>125 774.26</u>	<u>✓</u>	<u>✓</u>		<u>X</u>	
	<u>P-16</u>	<u>NA 1927</u>	<u>2328 213.37</u>	<u>✓</u>	<u>709 640.86</u>	<u>✓</u>	<u>✓</u>		<u>X</u>	

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COMPILATION REPORT T-10822

31. DELINEATION

The Kelsh Plotter was used.

32. CONTROL

The placement and adequacy of primary and secondary control were satisfactory.

33. SUPPLEMENTAL DATA

None

34. CONTOURS AND DRAINAGE

Contours are inapplicable. Drainage was obvious on the photographs and verified by the field inspector.

35. SHORELINE AND ALONGSHORE DETAILS

The only difficulty encountered was in delineating the apparent shoreline in some of the marsh. The mean low-water line shown is from office interpretation of photographs.

36. OFFSHORE DETAILS

No problems were encountered.

37. LANDMARKS AND AIDS

There are no landmarks.

Form 567 is being submitted for one aid to navigation.

38. CONTROL FOR FUTURE SURVEYS

One topographic station, ABLE 1958, was established and is listed under item 49.

39. JUNCTIONS

The junction with T-10821 on the north is in agreement.

~~Corps of Engineers~~, U. S. <sup>G.S.</sup> ~~Army~~, LADSON S.C. quadrangle, 1:24,000 scale, published in 1943 is to the west. Comparison 1958 reveals a number of changes in alignment of secondary roads, probably due to development of the U. S. Naval Reservation. Features of a more permanent nature such as a railroad and streams appear to be in satisfactory agreement.

J.S.

~~Corps of Engineers~~, <sup>U.S.G.S.</sup> quadrangle <sup>North Charleston</sup> MELGROVE, 1:24,000, is to the south and east. The junction is satisfactory. This map lies in the northwest part of the MELGROVE quadrangle.

J.S.

40. HORIZONTAL AND VERTICAL ACCURACY

No statement.

41. BOUNDARIES

Boundaries of the U. S. Naval Reservation have been shown as identified on the field photographs. Refer to item 10.

46. COMPARISON WITH EXISTING MAPS

Comparison was made with C. of E. quadrangle MELGROVE 1943, 1:24,000, and C&GS Air Photo Compilations T-5161 and T-5173 compiled in 1933 at 1:20,000 scale. There are many man-made changes due to development of the area by the U. S. Navy; otherwise comparison is satisfactory.

47. COMPARISON WITH NAUTICAL CHARTS


Chart No. 680, scale 1:20,000, edition of 1942, corrected to May 26, 1952 was compared. Generally the shoreline is the same but the interior man-made features are not up-to-date. The manuscript should supersede the land details on the chart.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

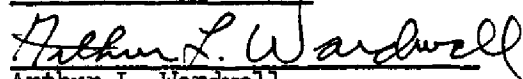
None

ITEMS TO BE CARRIED FORWARD

None



E. T. Ogilby  
Cartographer (Photogrammetry)

APPROVED & FORWARDED

Arthur L. Wardwell  
Chief of Party



48. GEOGRAPHIC NAMES LIST T-10822

Back River  
Back Slack Reach  
Big Island (2)

Cooper River

Foster Creek

Goose Creek

Logan Pond

New Tenant Pond

Old Goose Creek

Red Bank Landing

Slack Reach  
Snow Point  
South Carolina

Wilson Pond

*George W. Bace*  
Geographic Names Section  
10 August 1961





49. NOTES FOR THE HYDROGRAPHER

One topographic station was established:

ABLE, 1958

50.

PHOTOGRAMMETRIC OFFICE REVIEW

T- 10822

1. Projection and grids WHS 2. Title WHS 3. Manuscript numbers WHS 4. Manuscript size WHS

CONTROL STATIONS 4a Classification label Unclassified

5. Horizontal control stations of third-order or higher accuracy W.O. 6. Recoverable horizontal stations of less than third-order accuracy (topographic stations) WHS 7. Photo hydro stations XX 8. Bench marks XX 9. Plotting of sextant fixes ETO 10. Photogrammetric plot report W.O. 11. Detail points XX

ALONGSHORE AREAS

(Nautical Chart Data)

12. Shoreline WHS 13. Low-water line XX 14. Rocks, shoals, etc. WHS 15. Bridges XX 16. Aids to navigation WHS 17. Landmarks XX 18. Other alongshore physical features WHS 19. Other along-shore cultural features WHS

PHYSICAL FEATURES

20. Water features WHS 21. Natural ground cover WHS 22. Planetable contours XX 23. Stereoscopic instrument contours XX 24. Contours in general XX 25. Spot elevations XX 26. Other physical features WHS

CULTURAL FEATURES

27. Roads WHS 28. Buildings WHS 29. Railroads WHS 30. Other cultural features WHS

BOUNDARIES

31. Boundary lines WHS 32. Public land lines XX

MISCELLANEOUS

33. Geographic names WHS 34. Junctions WHS 35. Legibility of the manuscript WHS 36. Discrepancy overlay XX 37. Descriptive Report WHS 38. Field inspection photographs WHS 39. Forms WHS

40. William H. Shearouse

Reviewer

William H. Shearouse

Milton M. Slavney

Supervisor, Review Section or Unit

Milton M. Slavney

41. Remarks (see attached sheet)

FIELD COMPLETION ADDITIONS AND CORRECTIONS TO THE MANUSCRIPT

42. Additions and corrections furnished by the field completion survey have been applied to the manuscript. The manuscript is now complete except as noted under item 43.

\_\_\_\_\_  
Compiler

\_\_\_\_\_  
Supervisor

43. Remarks:

REVIEW REPORT  
OF  
PLANIMETRIC MAP MANUSCRIPTS  
T-10820 through T-10822  
August 1961

62. Comparison with Registered Topographic Surveys

T-4434	1:10,000	1928
T-4435	1:10,000	1928
T-4815	1:5,000	1934
T-5161	1:20,000	1934
T-5172	1:10,000	1934
T-5173	1:10,000	1934

Except for the construction of an earth dam across Back River one-half mile above the point where it empties into Cooper River, there has been little change concerning the two mentioned drainage features. There are numerous additional dams and roads inland and other cultural changes within the limits of the U.S. Naval Reservation (Liberty Hall) established since the last surveys of 1934; but few of these will effect nautical chart detail.

63. Comparison with Maps of Other Agencies

KITTREDGE, S. C., 1:24,000, Ed. of 1950, U.S. Geological Survey  
NORTH CHARLESTON, S. C., 1:24,000, Ed. of 1958, U. S. Geological Survey

There is good agreement between these surveys.

64. Comparison with Contemporary Hydrographic Surveys

There are no contemporary hydrographic surveys of subject area.

65. Comparison with Nautical Charts

680 1:20,000 Revised to 61 2/13

The main drainage features are in good agreement. However, some nearby cultural features may be considered for application prior to reprinting of chart 680.

66. Adequacy of Results and Future Surveys

Subject surveys were compiled according to instructions. They are within the requirements of adequacy and accuracy.

Reviewed by:

*Josef J. Streifler*  
Josef J. Streifler

Approved by:

*L. A. Lande*  
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Section

*Marvin J. Carlson*  
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*J. E. Waugh 8/6/62*  
Chief, Photogrammetry Division

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Chief, Operations Division

