3814-15-16

Form 504

DEPARTMENT OF COMMERCE

U. S. COAST AND GEODETIC SURVEY

State: South Carolina

11—5613

DESCRIPTIVE REPORT.

Topo Sheet No. 3814 | 3815 | 3816

LOCALITY:

1921

CHIEF OF PARTY:

R. F. Luce

3814-15-16

Descriptive Report to Accompany
Topographic Sheets No. 3814 , 3815 , and 3816 .
Instructions Dated July 9, 1920.

General Description of the Coast.

The coast in general consists of sand dunes except at the mouths and along the banks of inlets and creeks which are almost invariably swampy and covered with a tall swamp grass. Back of the sand dunes are narrow strips of woods consisting of live oak, pine, and palmettos behind which are also swamps and narrow creeks which cut the country up into a series of small islands.

Landmarks.

There are few dwellings or outstanding features to serve as landmarks along this coast but a short list has been noted and appended to this report.

Change of Coast Line.

The changes in the coast line are very marked on the ocean side but do not extend up the rivers or creeks or back into the country for any distance. In particular , the east bank of Trenchards Inlet has built up from Pritchards creek to the mouth; the shoreline of Capers Island and Pritchards Island from Trenchards Inlet to Skull Inlet has receeded in some places as much as 500 meters; the shore of Fripps Island has built out from Skull Inlet to Fripps Inlet and the east point of the mouth of Fripps Inlet has been cut away. East of St. Helena Sound the following changes have taken place; the southeast shore of Pine Island has built out quite considerably ; Bay Point has built out ; and the town of Edinsville has been entirely eliminated by the washing away of the shore, in fact , where Edinsville was there is now a new inlet cutting through.

Survey Methods.

The topography was mostly done by plane table traversing. The traverses were tied in frequently with triangulation points and in no case was the error more than allowable for such work. Wherever possible three point positions were used but these were infrequent because of the lay of the land. In several places , notably the banks of the South Edisto River, it was neccessary to use a sextant because the ground was too swampy for a planetable. Sextants were also used in determining the low water line at the mouths of the inlets owing to the greater rapidity with which the ground could be covered.

PLANETABLE POSITIONS.
Topographic Sheets No.3814, 3815, & 3816.

Object & Description.	Latitude	D.M.	Longitude	D.P.	Remarks	
New, signal	32-19	1848.	80-27	438.	Sheet No.3815	
Fly, "	32-21	529	80-26	750	"	"
Lone, most northerly lone tree on Hunting Is.	32-23	863	80-25	1052	"	"
Gray, north chy. of gray house	32-30	1754	80-20	225	"	"
Chim, west chy. of Seabrook Ho.	32-31	426	80-17	591	"	3816

DIRECTOR
ADDRESS THE ~~SUPERINTENDENT~~
U. S. COAST AND GEODETIC SURVEY

AND REFER TO NO. 4-MEM

DEPARTMENT OF COMMERCE

U. S. COAST AND GEODETIC SURVEY

WASHINGTON

SECTION OF FIELD RECORDS.

REPORT ON TOPOGRAPHIC SHEET No. 3814.

Surveyed in 1920.

Chief of Party: R. F. Luce. Surveyed by R. F. Luce.

Inked by R. F. Luce and R. D. Horne.

1. This survey conforms to the requirements of the General Instructions except that the magnetic meridian is not shown.

2. The plan and extent of the survey satisfies the specific instructions and no further surveying is required.

3. The projection and triangulation points should be verified before starting field work, and a note at the bottom of the sheet should state that this was done. Also the latitude and longitude of one point should be given.

4. The junctions of this survey with older surveys by the Coast and Geodetic Survey have not been examined for the reason that it is intended to use Geological Survey work for compiling the interior.

5. The character of the surveying and field drafting are excellent.

6. Reviewed by E. P. Ellis, April 23, 1921 and two copies of this report to be sent to Division of Hydrography and Topography.

DIRECTOR
ADDRESS THE [redacted]
U. S. COAST AND GEODETIC SURVEY

AND REFER TO NO. 4-MEH

DEPARTMENT OF COMMERCE

U. S. COAST AND GEODETIC SURVEY

WASHINGTON

SECTION OF FIELD RECORDS.

REPORT ON TOPOGRAPHIC SHEET No. 3815.

Surveyed in 1920.

Chief of Party: R. F. Luce. Surveyed by R. F. Luce and R. D. Horne.

Inked by R. D. Horne.

1. This survey conforms to the requirements of the General Instructions, except that the magnetic meridian is not shown.

2. The projection and triangulation points should be verified before starting field work, and a note at the bottom of the sheet should state that this was done. Also the latitude and longitude of one point should be given.

3. Egg Bank and two dry spots to southward, which are shown on Chart 154 are not shown on 3815. As they are important landmarks when entering Morgan and Harbor Rivers, they should be included on 3815, or if non-existent the descriptive report should have noted the fact.

4. With the exception of the omission noted in the previous paragraph, the plan and extent of the survey satisfies the specific instructions and no further surveying is required.

5. The junctions of this survey with older surveys by the Coast and Geodetic Survey have not been examined for the reason that it is intended to use Geological Survey work for compiling the interior.

6. The character of the surveying and field drafting are excellent.

7. Reviewed by E. P. Ellis, April 25, 1921 and two copies of this report to be sent to Division of Hydrography and Topography.

DIRECTOR
ADDRESS THE [redacted]
U. S. COAST AND GEODETIC SURVEY

AND REFER TO NO. 4-[redacted]

DEPARTMENT OF COMMERCE

U. S. COAST AND GEODETIC SURVEY

WASHINGTON

SECTION OF FIELD RECORDS.

REPORT ON TOPOGRAPHIC SHEET No. 3816.

Surveyed in 1920.

Chief of Party: R. F. Luce, Surveyed by R. D. Horne.

Inked by R. D. Horne.

1. This survey conforms to the requirements of the General Instructions except that the magnetic meridian is not shown.

2. The projection and triangulation points should be verified before starting field work, and a note at the bottom of the sheet should state that this was done. Also the latitude and longitude of one point should be given.

3. The plan and extent of the survey satisfies the specific instructions and no further surveying is required.

4. The junctions of this survey with older surveys by the Coast and Geodetic Survey have not been examined for the reason that it is intended to use Geological Survey work for compiling the interior.

5. The character of the surveying and field drafting are excellent.

6. Reviewed by E. P. Ellis, April 25, 1921 and two copies of this report to be sent to Division of Hydrography and Topography.

Form 537a
11—5813

DEPARTMENT OF COMMERCE

U. S. COAST AND GEODETIC SURVEY

TOPOGRAPHIC TITLE SHEET

The finished Topographic Sheet is to be accompanied by the following title sheet, filled in as completely as possible, when the sheet is forwarded to the Office:

U. S. Coast and Geodetic Survey.

Register No. 3814 3814

State South Carolina

General locality Port Royal Sound

Locality Fripp's Inlet to Entrance Port Royal Sound,

Chief of party R. F. Luce

Surveyed by

Date of survey Dec. 1920

Scale 1 - 20000

Heights in feet above

Contour interval . . . . feet.

Inked by . . . . . Lettered by

Records accompanying sheet (check those forwarded): Photographs,

Descriptive report, Horizontal angle books, Field computations,

Data from other sources affecting sheet

Remarks: Title sheet by A.E.M.

Form 537a
11—5813

DEPARTMENT OF COMMERCE

U. S. COAST AND GEODETIC SURVEY

TOPOGRAPHIC TITLE SHEET

The finished Topographic Sheet is to be accompanied by the following title sheet, filled in as completely as possible, when the sheet is forwarded to the Office.

U. S. Coast and Geodetic Survey.

Register No. 3815 3815

State South Carolina

General locality St Helena Sound

Locality South Edisto River to Fripp's Inlet

Chief of party R. F. Luce

Surveyed by

Date of survey Dec. 1920

Scale 1:20000

Heights in feet above

Contour interval . . . . feet.

Inked by . . . . . Lettered by

Records accompanying sheet (check those forwarded): Photographs, Descriptive report, Horizontal angle books, Field computations, Data from other sources affecting sheet

Remarks: Title sheet by H.E.M.

Form 537a
11—5813

DEPARTMENT OF COMMERCE

U. S. COAST AND GEODETIC SURVEY

TOPOGRAPHIC TITLE SHEET

The finished Topographic Sheet is to be accompanied by the following title sheet, filled in as completely as possible, when the sheet is forwarded to the Office.

U. S. Coast and Geodetic Survey.

Register No. 3816 3816

State South Carolina

General locality Edisto Island

Locality Frampton Inlet westward

Chief of party R. F. Lucc

Surveyed by

Date of survey Dec. 1920

Scale 1:20,000

Heights in feet above

Contour interval . . . . feet.

Inked by . . . . . Lettered by

Records accompanying sheet (check those forwarded): Photographs, Descriptive report, Horizontal angle books, Field computations, Data from other sources affecting sheet

Remarks: Title sheet by H.E.M.