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U. S. COAST & GEODETIC SURVEY
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DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY
R. S. PATTON, Director

DESCRIPTIVE REPORT

~~TERRITORIAL~~ } Sheet No. _____
Hydrographic }

State South Carolina

LOCALITY

South Carolina Coast

Charleston to Savannah River

1935
1855-57

CHIEF OF PARTY

Lt. J. N. Moffitt

May 6, 1935.

Descriptive Report.

To establish the N. A 1927 datum on this sheet seems to be unadvisable due to the lack of consistency or even an approximate agreement in the correction for the existing projection over its entire extent. The correction for longitude is very consistent but the latitude correction varies by about 93 meters from one end of the sheet to the other. Only three of the old stations were recovered and carried forward into the N. A 1927 values which is not adequate basis for the construction of a new projection on a sheet as long as this. The explanation for this variable correction probably lies in the fact that the sheet was compiled from about 15 sheets and that the control may have been different on these sheets.

The longitude correction based on Tybee Light and Edisto Island Base is an increase in longitude of 357.5 meters. The latitude correction based on Tybee Light is a decrease of 63.6 meters and based on the Edisto Island base is an increase of 30.6 meters. Therefore any correction would apply to a very limited area.

Submitted by - Harold G. Conger.

Approved - E. V. Egan