Form 204
E.D. June, 1929
DEPARTMENT OF COMMERCE
U.S. COAST AND GEODETIC SURVEY
R.S. Patten, Director

State: Florida

DESCRIPTIVE REPORT
Topographic Sheet No. 4551
Hydrographic

LOCALITY
West Coast
South Shore of Santa Rosa Island

1930

CHIEF OF PARTY
F.L. Peacock

U.S. GOVERNMENT PRINTING OFFICE 1930
DEPARTMENT OF COMMERCE
U.S. COAST AND GEODETIC SURVEY
R.S. Patton, Director.

DESCRIPTIVE REPORT
Topographic Sheet, Field Letter A.
Santa Rosa Island, East of Pensacola, Florida.
1930

Fred. L. Feaddock, H. & G.E., C. & G. Survey,
Chief of Party.
DESCRIPTIVE REPORT
Topographic Sheet, Field Letter A.
Santa Rosa Island, East of Pensacola, Florida.

INSTRUCTIONS:

This topography is a part of Project No. 54, instructions for which were dated January 29, 1930.

PURPOSE:

The primary reason for this survey was the location of signals for inshore launch hydrography, and, while traversing the beach for the location of signals, the shore line was relocated.

EXTENT:

This sheet includes the outer shore line between longitude 87°00'40" and longitude 86°46'15" and covers area previously covered by sheet T-4241 in 1925.

SURVEY METHODS AND CONTROL:

A plane table traverse was run along the entire length of the shore line, using as control, triangulation stations: RED, AGASSIZ 2, PEAK 3, COVE 3, JOHN 3, TUCK 3, and BEACH 3. Between stations RED and JOHN 3, distance on the traverse was measured with a 100 meter wire. Between station RED and signal WEST, distance was obtained by stadia, running back to station RED as a check. Traverse from JOHN 3 to BEACH 3 was by stadia. Between stations JOHN 3 and TUCK 3, the traverse closed with an error of 10 meters, which was adjusted. Between stations TUCK 3 and BEACH 3 the closing error was 8 meters, which was adjusted. All other traverses closed with errors too small to adjust.

GENERAL DESCRIPTION:

This area is low and composed of a fine white sand which shifts freely in the wind forming in dunes about thirty to forty feet in height. About a quarter of the area is covered with scrub vegetation with a few scrub trees in some of the more sheltered places. Since there is nothing along this stretch of beach prominent enough for charting as a permanent landmark, and none of the topographic signals are very permanent, no list of plane table positions is submitted with this report.
Most of the shore line relocated has built out somewhat to seaward, as much as forty meters in places. The high water line is well defined along this section. There is only from ten to twenty meters between the high and low water line along the entire sheet.

During the progress of the work a visual inspection was made of the shore line on the north side of Santa Rosa Island and no changes were noted since the 1926 survey (Sheet T4241).

Respectfully submitted,

Thomas B. Reed.

Approved and Forwarded

Fred. L. Peacock.
H. & G. E., Chief of Party.
LIST OF STATISTICS

Topographic Sheet, Field Letter A.

Santa Rosa Island, East of Pensacola, Florida.

Statute Miles of Shore Line.  14.4
Statute Miles of Roads and Railroads.  0.0
Statute Miles of Creeks and Rivers.  0.0
No. of Plane Table Signals Located.  41.0
The Topographic Sheet should be accompanied by this form, filled in as completely as possible, when the sheet is forwarded to the Office.

Field Letter: A

REGISTER NO. 4551

State: Florida
General locality: West Coast
Locality: West of South Shore of Santa Rosa Island
Scale: 1:20,000
Date of survey: April 1930

Vessel: OCEANOGRAPHER

Chief of Party: Fred. L. Peacock
Surveyed by: Thos. B. Reed
Inked by: Thos. B. Reed

Heights in feet above ground to tops of trees
Contour Approximate contour Form line interval feet
Instructions dated: January 29, 1930

Remarks: