

6108

U. S. COAST & GEODETIC SURVEY
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DEPARTMENT OF COMMERCE

U. S. COAST AND GEODETIC SURVEY

R. S. Patton, Director

State: Louisiana

DESCRIPTIVE REPORT

Topographic

Hydrographic

Sheet No. A

Coastal
6108

LOCALITY

~~Terrebonne Bay, La.~~

~~Long. 90° 41.5' to Racoon Point.~~

Gulf of Mexico

Iles Dernieres

193 4

CHIEF OF PARTY

Thos. B. Reed

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

REG. NO. 6108

TOPOGRAPHIC TITLE SHEET

The Topographic Sheet should be accompanied by this form, filled in as completely as possible, when the sheet is forwarded to the Office.

Field No. Letter "A"

REGISTER NO. 6108

State Louisiana

General locality Gulf of Mexico

Locality Isles Dernieres 000 41.5' to 430 41.5'

Scale 1:20,000 Date of survey June and July, 1934

Vessel Field Party No. 4.

Chief of party Thos. B. Reed

Surveyed by T. F. Squires.

Inked by W. B. Reed

Heights in feet above ----- to ground to tops of trees

Contour, Approximate contour, Form line interval ----- feet

Instructions dated October 27, 1933

Remarks: Shore line in ink surveyed after hurricane of June 16, 1934.
" " " pencil " before " " " "

Survey made in conjunction with air-photo survey of entire area.

DESCRIPTIVE REPORT
to accompany

Topographic Sheet "A", Long. 90° 41.5' to Raccoon Point.

Terrebonne Bay, Louisiana. Field Party No. 4.

Thos. B. Reed, Chief of Party.

DATE OF INSTRUCTIONS:

October 27, 1933.

DATE OF SURVEY:

June and July, 1934.

SURVEY METHODS:

This plane table survey was made in conjunction with a photo-topographic survey of the entire Terrebonne Bay area and consisted only in delineation of the outer shore line and location of hydrographic signals along the outer coast. The usual plane table methods were employed except that distances in traverse were measured along the beach with a 100 meter wire.

A traverse was run from topographic station RIN (established by W. D. Patterson, 1934) to station PELTO with a closing error of 4 meters in distance which was adjusted. A traverse was then run from station PELTO to Whiskey Pass and a fix obtained by resection on stations WHISKEY and BOGUE. This traverse closed exactly. The island west of Whiskey Pass was located by a three point fix at signal NEW using stations PELTO, WHISKEY and BOGUE. Signal TES was located by a three point fix on the above three triangulation stations and this point transferred to the bottom section of the sheet for starting a traverse to the westward. A traverse was then run from signal TES to station CHA with a closing error of 2 meters. The traverse between stations RYE and COON POINT closed exactly.

This topographic survey had been completed previous to the severe hurricane of June 16 but after the hurricane so many changes were found in the shore line that the entire shore line was rerun. The shore line obtained before the hurricane has been left in pencil on the sheet and that obtained after June 16 is shown in ink.

CONTROL:

Triangulation control for this sheet consisted of the following stations: TRINITY, 1928; PELTO, 1928; WHISKEY, 1928; BOGUE, 1928; CHA, 1934; RYE, 1934; and COON POINT, 1928; N. A. datum. (1927)

GENERAL DESCRIPTION OF COAST:

The coast line of this region is characterized by a fringe of low sand and marshy islands and very shallow water. The shore line is very unstable and shifts with every bad storm. The coast line is gradually receding. There are no landmarks of any importance on this sheet.

COMPARISON WITH PHOTO-TOPO SHEETS:

The shore line obtained after the hurricane of June 16 differed materially with the shore line as obtained from the photographs and the shore line from this sheet was transferred to the air photo sheets.

Respectfully submitted,



Thos. B. Reed,
Lieut., C. & G. Survey,
Chief of Field Party No. 4.