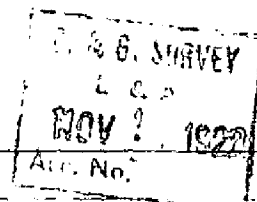


3985



Form 504
DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

State *Louisiana*
11-5613

DESCRIPTIVE REPORT.

Tops Sheet No. *3985*

LOCALITY:

Chandeliers Sound

North Frumason

New Harbor & Old

Harbor Island groups

1922

CHIEF OF PARTY:

H. A. Borden

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DESCRIPTIVE REPORT
TO ACCOMPANY
TOPOGRAPHIC SHEET
OF
NORTH, FREEMASON & HARBOR ISLANDS
LOUISIANA
SEPTEMBER 1922
U. S. S. HYDROGRAPHER
F. S. Borden, Chief of Party.

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DESCRIPTIVE REPORT
TO ACCOMPANY
TOPOGRAPHIC SHEET NO. _____

GENERAL DESCRIPTION.

The work on this sheet was done under instructions dated March, 4, 1922.

The sheet includes the topography of North Islands, New Harbor Islands, Freemason Islands, and Old Harbor Island.

These islands are all low and marshy. Old Harbor Island is a bare spit of sand and shells projecting about three feet above high water. The other islands are covered with grass and small shrubs or bushes. There are no trees on any of the islands. The west and North coasts of Freemason and North Islands are high and dry for a width of from ten to forty meters. Beyond this narrow strip the land is partly submerged at high tide, and is made nearly impassible by a network of deep narrow creeks or sloughs. New Harbor Islands are all marshy, and partly submerged at high tide. These islands are also covered with a network of deep narrow creeks or sloughs.

CHANGE OF COASTLINE.

Considerable change was found in all the islands except New Harbor Islands. The westernmost Island of this group is however a double island instead of a single one as shown on the chart.

North Island has moved about one half mile in a southeasterly direction. About one mile of the southern end of the island has washed entirely away, also about one half mile of the northern end has washed away. The Northeastern hook on the island is almost the same as shown on the chart.

The Northern half of Freemason Island has washed entirely away, leaving however an area one fourth mile North of Δ Freemason 2 which bares at half tide. The southern half the island is very much the same as the chart. A new area is building up about one mile east of the island. This bares at low tide; and four ^{small} grass covered areas at the Northern end of this region are bare at high tide. The whole of Freemason Island is in general moving slowly to the eastward.

Old Harbor Island as shown on the chart has entirely washed away, or been shifted about a mile in a southeasterly direction. This island apparently shifts with every strong N. W.'ly gale. There is a small area about one half mile north of the island which bares at half tide.

LANDMARKS AND SIGNALS.

Since there are no trees, houses, or hills or sand dunes on these islands, the only landmarks are the signals.

Δ Old Harbor 2 is standing in over a foot of water and will probably carry away in the next severe storm.

Δ Freemason 2 is a 30 foot signal erected over Reference

Mark No. 2 of Δ Freemason. The old Δ Freemason and Reference Mark No. 1 has been washed away as the island recedes to the eastward.

Δ North Island is still standing and in good condition, but the island is rapidly wearing away at this point, and it ^{is} thought that this signal will not long remain.

© Ole is a thirty foot signal erected for a temporary hydrographic and topographic signal.

© Mud is a fifteen foot tripod signal found standing by this party and located and used as a hydrographic signal.

SURVEY METHODS.

These islands were surveyed by usual plane table and stadia traverse along the western and Northern coasts where walking was possible. On the inner marshy coasts various points were occupied and located by three point fix and surrounding territory sketched in.

Wm. D. Patterson.

Wm. D. Patterson,
Hydrographic and Geodetic Engineer.

*approved -
Frank S. Borden
Chief of Party*

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

WASHINGTON October 31, 1924.

SECTION OF FIELD RECORDS

Report on Topographic Sheet No. 3985

Chandeleur Sound, Louisiana

Surveyed in 1922

Instructions dated January 25, 1922.

Chief of Party, F. S. Borden.

Surveyed and inked by W. D. Patterson.

1. The plan and character of the work fulfill the requirements of the General Instructions.
2. The plan and extent of the survey satisfy the specific instructions.
3. The field drafting was completed by the field party.
4. No further surveying is required within the area covered by the sheet.
5. The character and scope of the surveying as well as the field drafting are excellent.
6. Reviewed by E. P. Ellis, October, 1924.

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

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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. **3985**

State **Louisiana**

General locality . . . **Mississippi Delta**

Locality **Chandeleur Sounds**

Chief of party . . . **Frank S. Borden**

Surveyed by . . . **Wm. D. Patterson**

Date of survey . . . **September, 1922.**

Scale **1:20,000**

Heights in feet above

Contour interval feet.

Inked by **Wm. D. P.** . . . Lettered by **Wm. D. Patterson.** .

Records accompanying sheet (check those forwarded): Photographs,

Descriptive report, Horizontal angle books, Field computations,

Data from other sources affecting sheet

Remarks: