5324

Form 504
Ed. June, 1928

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY
R. S. Patton, *Director*

State: Louisiana

DESCRIPTIVE REPORT

Photo
Topographic
~~*Hydrographic*~~ } *Sheet No.* T-5324

5324

LOCALITY

Breton Sound

Point Chico to Mozambique Point

1934

CHIEF OF PARTY

M. H. Reese, Jr. H. & G. Engr.

U. S. GOVERNMENT PRINTING OFFICE: 1933

5324

applied to drawing of chart 1115 July 24, 1940, J.A.h.

Form 537a
Ed. Nov., 1929

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

REG. NO. 5324

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. 37

REGISTER NO. T-5324

State Louisiana

General locality Breton Sound

Locality Point Chico to Mozambique Point

Scale 1:20,000 ~~1:24,000~~ Photographs: 11/29/32 Date of ~~survey~~ 11/29/32, 19

~~Kassaks~~ Air Photo Compilation Party No. 24, New Orleans, La.

Chief of party M. H. Reese

Surveyed by See data sheet in the descriptive report.

Inked by John Gidiere

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

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

Instructions dated November 7, 19 36.

Remarks: Compiled on a scale of 1:24,000 and enlarged and printed on scale of 1:20,000 by Photo- Lithography.

- NOTES ON COMPILATION-

SHEET NO. T-5324

FIELD NO. 37

PHOTOS, NO.	DATE OF PHOTOGRAPHS	TIME
851-861	11/29/32	9:42 to 9:46 A. M.
1022-1025	11/29/32	10:09 to 10:11 A. M.

	BY	DATE
PROJECTION BY	E. P. Hernandez	4/23/34
PROJECTION CHECKED BY	F. A. Donadieu	4/23/34
CONTROL PLOTTED BY	E. P. Hernandez	4/24/34
CONTROL CHECKED BY	J. A. Peterson	4/24/34
RADIAL LINE PLOT BY	H. C. Smith	4/26-27/34
RADIAL LINE PLOT CHECKED BY	E. L. Fitch	5/2/34
DRAFTING OF PHOTOGRAPHS BY	John Gidiere	5/2-15/34
PASTING OF NAMES BY	John Gidiere	5/17/34
REVIEW OF COMPILATION	John Gidiere	5/16/34

AREA OF DETAIL INKED-- 14.8 sq. Statute Miles (Approximately)

LENGTH OF SHORELINE--(more than 100 meters from nearest opposite Shore)-
96.6 Statute Miles (Approximately)

COMPILER'S REPORT

FOR

PHOTO TOPOGRAPHIC SHEET, FIELD NO. 37

GENERAL INFORMATION:

Instructions dated November 7, 1933.

The information used in the compilation of this sheet has been obtained from the notes and sketches on the field photographs, and from members of the field inspection party in questionable areas.

The accompanying Notes on Compilation gives all data and statistics in connection with the compilation of this sheet.

The high water line, as shown along the Gulf Coast, was taken from photographs on which the field inspection party had sketched in the high water line of this section as well as other questionable areas. The coast line was vividly established by the dark lines indicating brush and marsh and by the white lines denoting the existence of shell piles and reefs. These reefs and shoals occur irregularly throughout this area, their origin probably being due to constant changes caused by erosion. The area mapped within the limits of this sheet is entirely devoid of any cultivation. The daily tide variation is small, usually from one to two feet.

This sheet was compiled from photographs taken by the U. S. Army Air Corps' five lens T-3A camera, No. 32-3, photograph numbers 851-861 (West Flight) approximately parallel with Longitude 89°26'40", and 1022-1025 (East Flight) approximately parallel with Longitude 89°19'20".

CONTROL:

(A) Sources:

The following sources of control were used in the compilation of this sheet.

(a) Triangulation by Lieutenant E. R. Mc Carthy in 1934.

Geographic Positions established by Lieutenant E. R. Mc Carthy in 1934, at the time of this compilation, were used. These positions are on the North American 1927 Datum and are tied in with 1st order Triangulation along the Mississippi River, recently executed by Lieutenant C. I. Aslakson. The difference between the unadjusted and the final adjusted positions would be unplottable at the scale of this compilation- 1:24,000.

(B) Errors:

The control is adequate for this sheet and the radial plot gave good intersedtions.

(C) Discrepancies:

No discrepancies in position of control stations were found. No control stations established by other organizations were used in this compilation.

COMPILATION:

(A) Method:

The usual five lens radial line method of plotting was used throughout in the compilation of this sheet.

(B) Adjustment of Plot:

The photographs in the two strips covering the area shown by this sheet appear to be free of excessive tilt and scale fluctuations and the radial plot required no unusual adjustments.

(C) Interpretation:

To denote brush three or four feet high, which occurs frequently in coast islands and especially near the water's edge, the symbol (⁒) was used. This formation of brush is usually a type of evergreen growth, its roots in salt water, and is called locally "Mangle". The land is subject to overflow quite regularly and its formation is typical of usual salt water marsh.

To denote shells, reefs or banks, the symbol (⁘) was used.

There are no roads or canals in this area. The larger bayous are shown by double full lines, while the lesser bayous and tidal sloughs are shown by one solid line, depending in weight upon the importance of the feature. In most cases, unless labelled on the field inspection prints, the classification of these features had to be determined by a close examination of the photographs.

All boundaries of shoal water areas are shown by the same symbol as noted above for shells, which formation causes the shallow condition and there may consequently be some slight departure from actual conditions.

(D) Information from other sources:

There was no information derived from sources other than the photographs and sketches and the notes placed on the photographs by the field inspection party. The photographs were clear and it is believed that the compilation is correct in all particulars.

(E) Conflicting Names:

The names shown on this chart were taken from U. S. Coast and Geodetic Survey Chart No. 1270 entirely. When compared to U. S. Geological Survey [illegible], "La Fortuna Sheet" and Triangulation Progress Sketch of Lieutenant E. R. Mc Carthy, March 1934, it was found that some few names conflicted as follows:

29-40
89-27

U. S. Coast & Geodetic Chart No. 1270	U. S. Geological Survey Sheet "LaFortuna"	Lieutenant Mc Carthy's Triangulation Progress Sketch.
Grace Pt.	Grass Point	Grace Point
Bayou Frenepiquant (Bood Frenech)	Bayou Frenne Picant	----------
Lake Fortuna, Lake Machias	Lake Fortuna	L.Fortuna, L. Machias
Point Fortuna	Point La Fortuna	~~Point Fortuna~~
~~Point Mozambique~~	----------	~~Point Fortuna~~
Breton Sound (USGB)	Isle Au Breton Sound	Breton Sound

No new names are shown. Coon Nest I. is shown as Coonnest I on chart 1270.

COMPARISON WITH OTHER SURVEYS: BGJ

The junction with the adjoining sheet to the North, T-5323, and West, T-5316, are satisfactory.

In comparing this sheet with U. S. Coast and Geodetic Survey Chart No. 1270 it is found that the general outline of the islands and positions of same are similar. Several small islands do not appear on this sheet as shown on Chart No. 1270. The entire general area of land also is smaller than shown on Chart No. 1270. The wearing away caused by storms and currents is the most probable reason for this condition.

LANDMARKS:

There are no prominent landmarks in this area which are suitable for navigation that were recommended by the field inspection party.

RECOMMENDATIONS FOR FURTHER SURVEYS:

The compilation of this sheet is believed to have a probable error of five meters in well defined detail of importance for charting and of ten meters for other data.* There was no need to exaggerate any detail of importance in order to keep it distinct in the photo-lithographic process.

To the best of my knowledge this sheet is complete in all details of importance for charting purposes, within the accuracy stated above, and no additional surveys are required.

Submitted by: John Gidiere.
Draftsman.

Approved by: M. H. Reese.
Chief of Party.

*Note The value of 5 to 10 meters given above is high for work on this scale. a better estimate is an accuracy of location of 5 to 10 meters for intersected points and 5 to 20 meters for other details. These values may be exceeded in some areas such as on Point Chico and Grace Point but the detail is accepted as sufficiently accurate for charting and adequate to supersede the last survey T 1099 (1870)

REVIEW OF PHOTO TOPOGRAPHIC SURVEY NO. T-5324

Title (Par. 56) Forwarded with sheet.

Chief of Party M. H. Reese Compiled by John Gidiere

Project Louisiana Air Photo Compilation Party No. 24 Instructions dated Nov. 7, 1933.

1. The survey and preparation for it conform to the requirements of the Topographic Manual. (Par. 8; and 16, a, b, c, d, e, g and i.) (Note) Par. 8 not applicable to this party.

2. The character and scope of the compilation satisfy the instructions and the "Notes on the Compilation of Planimetric Line Maps from Five Lens Aerial Photographs".

3. The control and adjustment of the radial plot were adequate. (Par. 12, 29.)

4. There is sufficient control on maps from other sources that were transmitted by the field party for their application to the charts. (Par. 28.) None submitted.

5. High water line on marshy and mangrove coast is clear and adequate for chart compilation. (Par. 16a, 43, 44.)

6. The representation of low water lines, reefs, coral reefs and rocks, and legends pertaining to them is satisfactory. (Par. 36, 37, 38, 39, 40, 41.) See Par. C, Page 3 of Des. Report.

7. Important details shown on previous surveys and on the chart have been compared with this sheet and a statement has been entered in the report regarding the removal from the chart or change in position of important detail such as rocks, lights, beacons, prominent objects, bridges, docks, and structures along the water front. No changes in such details have been noted on this sheet. See Below.

8. The span, draw and clearance of bridges are shown. (Par. 16c.) None

9. The data furnished by the Field Inspection is adequate.

NOTE: Strike out paragraphs, words or phrases not applicable and modify those requiring it. Paragraph numbers refer to those in the Topographic Manual. Use reverse side for extending remarks.

Comparison with T 1099 (1870) shows numerous changes. The larger outside islands have worn away considerably and a number of small islands have disappeared. The compilation is adequate to supersede T 1099 for the area covered. BG Jones

M-10

10. The descriptive report covers all details listed in the Manual, so far as they apply to this survey. (Par. 64, 65 and 66.)

11. The descriptive report also contains all additional information required in photo topography as prescribed in the instructions and in the "Notes on the Compilation of Planimetric Line Maps from Five Lens Aerial Photographs".

12. The descriptions of recoverable stations and references to shore line were accomplished on Form 524, and scaling of positions checked. (Par. 29, 30 and 57.)

13. A list of landmarks for charts was furnished on Form 567 and scaling of positions checked. (Par. 16d, e, 60.) Page 4

14. The geographic datum of the sheet is North American 1927 and the reference station is correctly noted. (Par. 34.) used field computations

15. Junctions with contemporary surveys are adequate.

16. Geographic names are shown on the sheet and are covered by the Descriptive Report. (Par. 64, 66k.) Page 3. Reviewed by H. Bacon

17. The quality of the drafting is good. (Par. 31, 32, 33, 35, 36, 37, 38, 39, 40, 41, 42, 45, 46.)

18. No additional surveying is recommended.

19. Remarks:

20. Examined and approved: M. H. Reese

M. H. Reese.
Chief of Party

21. Remarks after review in office:

Reviewed in office by: B. G. Jones

Examined and approved:

K. T. Adams
Chief, Section of Field Records

L. O. Colbert
Chief, Division of Charts

B. Borden
Chief, Section of Field Work

A. R. Eakins
Chief, Division of Hydrography and Topography.

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Survey No. T5324

GEOGRAPHIC NAMES

Date. Jan 7, 1935

Chart No. 1270

Names underlined in red approved Jan 7, 1935 Harlow Bacon Diagram No.

*, Approved by the Division of Geographic Names, Department of Interior.

¢, Not Approved by the Division of Geographic Names, Department of Interior.

R, Referred to the Division of Geographic Names, Department of Interior.

Authorities
U S Geol. Survey
US Engrs Map of So. La. 1934
Hardee's Map of La. 1871 = La. 1871
Locketts Map of La. 1872 = La. 1872
Chart 1270, Desc Report T5324

Status	Name on Survey	Name on Chart or other Maps	New Names in local use	Names reported by Field Party	Location
	Coon Nest Pt I HB.	Coon Nest I (USGS 1935) Coonnest Pt. I. HB.	Favor the two word name. The single word obscures the meaning.		
	Pt. Gardner USGS	1270 Gardners Pt. US Engrs			
	Lake Fortuna	1270, La. 1872 Lake la Fortuna, US Engrs		Lake Fortuna	
	Point Fortuna	1270 Pt. La Fortuna, USGS, La. 1872 Pt La Fortune La. 1871		Point Fortuna	
	Black Bay	1270, USGS, US Engrs, La. 1871			
	Mozambique Pt.	1270			
*	Bayou Frenepiquant	(Good French) 1270 Frenne Picant USGS		Bayou Frenepiquant	
	Fiddler Point	1270			
	Grace Point	1270, US Engrs Grass, USGS, La. 1872		Grace Pt.	
	Lake Athanasio	1270, U.S.G.S. La. 1871, La. 1872, Athanasia, US Engrs			
	Deadman Point	1270, USGS			
	Canal Fortuna add	USGS and US Engrs Referred to US BGN. Mar. 1936	Canal Pecal (USGS. 1935) → 11/18/38		
	Eloi Bay Removed	1270 US Engrs This bay is north of Gate I. See Chart 1270 Lake Eloi Bay, La. 1871 & La. 1872, Reject			Double generic term. HB.
†	Point Chico	BGN 11/18/38 1270, USGS, La. 1872			
	Lake Machias	1270, US Engrs Lake Marchias, La. 1871 " " La. 1872		Lake Machias	
	Pass Fernandea	1270, USGS			
	Breton Sound	1270, USGB. Occupies all the water space			
	Gate Island	1270.			
	Point Eloi †	1270.			
	~~Chandeleur Sound~~ Removed	This name should be removed. The weight of authority gives the dividing line between Breton Sound and Chandeleur Sound as Point Chico			
	Raccoon I. 1270				

(M 100)

GEOGRAPHIC NAMES

Survey No. T5324

Name on Survey (Underlined Names approved Feb. 1936 HL)	A: On Chart No. 1270	B: On previous survey No.	C: On U.S. quadrangle. GS CNE & NW Maps La Fortuna 1925 La Fortuna 1899	D: From local information	E: On local Maps	F: P. O. Guide or Map	G: Rand McNally Atlas	H: U. S. Light List	K:
Grass Island ✓	New Name OK		Grass Island						1
Chico Island * ✓ 11-18-38	New Name OK		Chico Island		Chicot Island	The U.S.G.S reports that Chicot is the correct name, this is a stumph or stub			2
	New Rigolet		Point Chico Pass	This should is objectionable. Card prepared		be Chico Pass. Double generic term Not near Chico Pt. for U.S.B.G.N.			USGS agrees 3
Mulatto Bayou ✓ 11-13-38	New Name OK		Mulatto Bayou						4
Canal Pecal * Hold ✓	Canal Fortuna		Canal Pecal	See reference on page 1.				Should be referred To U.S. B.G.N.	5
Seven Dollar Bay ✓	New Name OK		Seven Dollar Bay						6
Seven Dollar Bayou	New Name OK		Seven Dollar Bayou						7
Gardner Island ✓	New Name OK		Gardner Island						8
St. Helena Bay ✓	New Name OK		St. Helena Bay						9
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