

5328

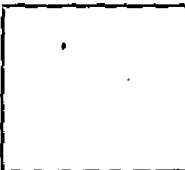
U. S. COAST & GEODETIC SURVEY
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Ed. June, 1928

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



State: Louisiana

DESCRIPTIVE REPORT

Photo
Topographic } Sheet No. 5328
~~Hydrographic~~

LOCALITY

Mississippi River Delta

Raccoon Pass to Taylor Pass

1934

CHIEF OF PARTY

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

5328

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

REG. NO.

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. 41

REGISTER NO. 5328

State Louisiana

General locality Mississippi River Delta

Locality Raccoon Pass to Taylor Pass

Scale 1:24,000 ^{20,000} photographs
Date of ~~survey~~ December 2, 1932.
Date of Compilation-

~~Survey~~ 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 Herbert C. Smith

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

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

Instructions dated November 7, 1933.

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

Approved & OK'd 1272. Apr. 1935. H. J. Gumble

-- NOTES ON COMPILATION --

SHEET NO. 5328

FIELD NO. 41

PHOTOS, NO.	DATE OF PHOTOGRAPHS	TIME
824-831	12/2/32	10:37 to 10:40 A. M.
1051-1054	12/2/32	8:48 to 8:49 A. M.

DATA	BY	DATE
PROJECTION BY	<u><i>E. P. Hernandez, Jr.</i></u> E. P. Hernandez, Jr.	<u>6/13/34</u>
PROJECTION CHECKED BY	<u><i>F. A. Donadieu</i></u> F. A. Donadieu	<u>6/13/34</u>
CONTROL PLOTTED BY	<u><i>F. A. Donadieu</i></u> F. A. Donadieu	<u>6/18/34</u>
CONTROL CHECKED BY	<u><i>E. P. Hernandez, Jr.</i></u> E. P. Hernandez, Jr.	<u>6/19/34</u>
RADIAL LINE PLOT BY	<u><i>G. O. Coignet</i></u> G. O. Coignet	<u>6/29-30/34</u> <u>7/2/34</u>
RADIAL LINE PLOT CHECKED BY	<u><i>H. C. Smith</i></u> H. C. Smith	<u>7/5/34</u>
DRAFTING OF PHOTOGRAPHS BY	<u><i>H. C. Smith</i></u> H. C. Smith	<u>7/5-9/34</u>
PASTING OF NAMES BY	<u><i>H. C. Smith</i></u> H. C. Smith	<u>7/18/34</u>
REVIEW OF COMPILATION BY	<u><i>S. S. Gill</i></u> S. S. Gill	<u>7/19/34</u>

AREA OF DETAIL INKED-- 9.0 sq. Statute Miles.

LENGTH OF SHORELINE-- 32.0 linear Statute Miles (more than 100 meters from opposite shore.)

COMPILER'S REPORT

FOR

PHOTO TOPOGRAPHIC SHEET NO. 5328,

FIELD NO. 41

GENERAL INFORMATION:

Instructions dated November 7, 1933.

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

The tide in this area is approximately two feet (2'). Due to the low ground in this area, the horizontal distance between the mean high water line and mean low water lines varies from approximately 5 meters to approximately 30 meters along the shore, and in some instances a portion of the area is flooded to a considerable distance inland during the high tide. But in some cases where the land is higher, no marked change between high and low water lines was apparent and the effect of the tide on determination of the shore line was neglected due to the small scale of the photographs.

The land area of this sheet consists of low marsh lands cut by numerous bayous and small streams. This area is sparsely inhabited, there being only a few fishing camps along the shores of the bayous and other bodies of water. There are no cultivated areas and there has been no development in the area covered by this sheet. There are extensive growths of mangle brush along the shore lines and along the banks of the streams.

This sheet was compiled from the U.S. Army Air Corps, five lens, Type T-3A Camera No. 32-3, photograph numbers 824-831 and 1051-1054. The west flight falls approximately along Longitude $89^{\circ}26'15''$ and the east flight approximately along Longitude $89^{\circ}20'00''$.

CONTROL:

(A) SOURCES.

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

- (a) Triangulation by G. C. Mattison, 1922.
- (b) Triangulation by F. S. Borden, 1922. (c) F.B.T. Siems, 1921.

The geographic positions of the triangulation stations located by the above parties were on the N. A. datum. Recent triangulation work in this area gave geographic positions on N. A. 1927 datum on triangulation stations De Seiete 1927, Bayou Cook 1883-1927, Bijou 1922, Buras 1922. By comparing the N. A. 1927 geographic positions and those on old datum of the aforementioned triangulation stations, a factor of correction was derived, which, when applied to geographic positions of other stations in this area that were on the old datum, changed them so as to coincide with the N. A. 1927 positions. The factors used were -2.9 m. in

Latitude (forward) and 416.4 m. in Longitude (forward). These factors were applied to all geographic positions of stations that were on the old datum and converted them to N. A. 1927 datum. No difficulty was experienced in checking the control used in the compilation of this sheet.

Due to the washing away of the shore line along the main bodies of water a considerable number of central stations established in 1922 have been washed away.

(B) Errors.

The control is adequate for the compilation of this sheet and the radial line plot produced good, well defined points of intersection.

(C) Discrepancies.

No discrepancy in position of control station was found and no control stations established by any other organization were used in the compilation of this sheet.

COMPILATION:

(A) Method.

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

(B) Adjustment of Plot.

The photographs in these strips appear to be free from excessive tilt and scale fluctuations and the radial line plot requires no unusual adjustments.

(C) Interpretation.

The graphic symbols used in the drafting of this sheet are standard and approved by the Board of Surveys and Maps (1932). The only symbol not agreeing with above specifications was the symbol (f) used in the drafting of this sheet to denote mangle brush. All bayous and larger streams are shown by a double full line and those of lesser importance and of insufficient size to enable the draftsman to show without exaggeration are shown by a single full line. Shallow mud flats covered with several inches of water are shown by a broken line. Sand and shell shoal areas are shown by a broken line at the low water level and the customary sand and shell symbol was drawn in between this low water line and the main shore line. In areas where there was no field inspection available, the classification of features was determined by close inspection of the field photographs.

(D) Information From Other Sources.

The information used in the compilation of this sheet was obtained from (1) the notes and sketches on the field photographs, (2) U. S. C. & G. S. chart #1272, (3) U. S. C. & G. S. air photo compilation sheet of this area (1922) by G. C. Mattison, Chief of Party. *T4030 (1922)*
There was no information used except that obtained from the above sources.

(E) Conflicting Names.

The names on this sheet were taken from the U. S. C. & G. S. #1272 and Airphoto Compilation Sheet (1922) by G. C. Mattison, Chief of Party, and from sources stated above, and the following conflicts in names were found:

<u>USC&GS Chart</u> <u>#1272</u>	<u>USC&GS Topo Sh.</u> <u>#4030</u>	<u>USGS Sheet</u> <u>"Forts"</u>	<u>US E Corps Map</u> <u>S. La.</u>
Sable Island ✓	Sable Island ✓	Little Bird Island	Sable Island
Bird Island ✓	Bird Island ✓	Sable Island	Bird Island

See review at the back.

COMPARISON WITH OTHER SURVEYS:

In comparing this sheet with the U. S. C. & G. S. Topographic Sheet No. 4030 (1922), U. S. C. & G. S. Chart No. 1272, U. S. E. Corps' Map of South Louisiana, and U. S. Geological Survey Sheet "Forts", it is observed that the main shore line has retained its general shape but, due to tidal conditions, there has been considerable washing away of the shore area, and Hog Island has been reduced about 50% in area due to these conditions. *See also last par. on this page.*

In comparing this sheet with air photo topographic sheet No. 4030 (1922) it was found that with the exception of changes in the shore line brought about by the tidal conditions which caused considerable washing away of the shore, ~~it was found that~~ the two sheets agreed in every detail. The larger streams and bayous retained their same course and approximate size.

This sheet compares favorably with Air Photo Compilation Sheets 5318 to the west, and 5401 to the south. *Junctions with T5318 and T5401 checked in office before printing*

LANDMARKS:

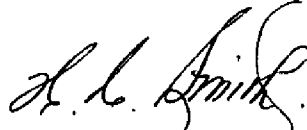
There are no landmarks in this area that can be recommended as aids to navigation. The small camps are more or less of a temporary nature.

RECOMMENDATION FOR FURTHER SURVEY:

The compilation of this sheet is believed to have a probable error of 8 meters in well defined detail and 15 meters for other data. There was no detail of importance except the shore line at high tide. The shell reefs of what was at one time Battledore

Island were drawn in from the "D" print of photo number 831.
The last photo in the flight.

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



Submitted by: Herbert C. Smith,
Draftsman.



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

REVIEW OF PHOTO TOPOGRAPHIC SURVEY NO. 5328

Title (Par. 56) Forwarded with Sheet.

Chief of Party M. H. Reese

Compiled by Herbert C. Smith

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 10, 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 pages 4 and 5 of the report.*
8. The span, draw and clearance of bridges are shown. (Par. 16a.)
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.

- 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 584, and scaling of positions checked. (Par. 29, 30, and 57) *None submitted*
- 13. A list of landmarks for charts was furnished on Form 587 and scaling of positions checked. (Par. 166, e, 60.) *None submitted*
See page 4
- 14. The geographic datum of the sheet is North American 1927 and the reference station is correctly noted. (Par. 54) *Unadjusted*
- 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.) *See page 4 and the review report at back.*
- 17. The quality of the drafting is good. (Par. 51, 32, 33, 35, 38, 57, 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:

see next page

Reviewed in office by: *B. G. Jones*

Examined and approved:
W. H. Green
Acting Chief, Section of Field Records
L. O. Collins
Chief, Division of Charts

F. B. Borden
Chief, Section of Field Work
H. A. ...
Chief, Division of
Hydrography and Topography.

Review of Air Photo Compilation 5328 (1934)

Names: New names shown on this compilation have been accepted as submitted by the compiler pending Mr. Bacon's decision. The names Sable Island and Bird Island, mentioned on page 4 of the report are shown to agree with the present chart 1272. All new names submitted are shown on U.S.G.S. quadrangle, "Forts". The term new names applies to all names not shown on present U.S.C. and G.S. charts.

Comparison with other surveys: Comparison with chart 1272 and T 4030 (1922) in this office shows the following changes in addition to those mentioned on page 4 of the descriptive report:

1. Little Battledor I. shown on chart 1272 at Lat. $29^{\circ}30'$, Long. $89^{\circ}27'$ is not shown on this compilation. This island is not mentioned in the descriptive report. It is probably off the limits of the photographs.

Reese was furnished bromide copies of T 4030 (1922) to the scale of his compilation for a detailed comparison with the 1922 survey.

B.G. Jones

GEOGRAPHIC NAMES

Date. January 7, 1935

Chart No. 1272

Names approved Jan, 23, 1935. *Allen M. Strong* Diagram No. Harlow Bacon

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

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

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

See page 4 of the descriptive report and the review at the back of the descriptive report

Status	Name on Survey	Name on Chart	New Names in local use	Names assigned by Field	Location
	<u>Black Jack Bayou</u> ✓	T-1069 U.S.G.S.			
	<u>Grand Coquille Bay</u> ✓	---	T-1096; U.S.G.S. Bay Gaubrey on T-4030		
	<u>Coquille Point</u> ✓	U.S.G.S. NW Forts Quad, 1935			
	<u>Little Coquille Bay</u> ✓	---	T-1096; U.S.G.S. Fort Bay on T-4030		
	<u>Fort Point</u> ✓	T-1096; U.S.G.S.			
	<u>Bayou Plaquemines</u> ✓	U.S.G.S. NW Forts Quad, 1935			
	<u>Rattlesnake Bayou</u> ✓	T-1096, 1868-9; U.S.G.S.			
	<u>Deep Water Point</u> ✓	---	T-1096. Deepwater U.S.G.S. Forts Quad. and in accord with U.S.G.B. principles.		
	<u>Battledore Island</u> ✓	See Next Page	From the appearance on the sheet this island is now a reef. If this be the case, the name should be changed to Battledore Reef. <i>AB</i>		
	<u>Hog Islands</u> ✓	" "	" "		
	<u>Sable Island</u> ✓ R ^{29° 24'} _{89° 29'}	Sable I. local usage Dept. of Conservation State of La. Let G.N. 15 Chart 1272, T-4030, Southern Louisiana, 1934, U.S. Engrs.			
	Approved by DGN Nov. 26, 1935	Little Bird Island - U.S.G.S. Quad, Forts. ^{29° 24' 36" N} _{89° 29' W}			
	<u>California Bay</u> ✓	1272 U.S. Engrs.			
	<u>Little Raccoon Point</u> ✓	" U.S.G.S.			
	<u>Raccoon Point</u> ✓	" "			
	<u>Raccoon Pass</u> ✓	" "	U.S. Engrs.		
	<u>Fort Bayou</u> ✓	" "	" "		
	<u>Bird Island</u> ✓ R ^{29° 23' 5"} _{89° 19'}	Bird I. local usage as reported by Dept. of Conservation State of La. Let G.N. 15. Feb. 12, 1935 Sable Island on H-1654, T-1069, Map of Louisiana by Lockett, 1872; Railroad Map of Louisiana, 1906; U.S.G.S. Forts Quad. Bird Island on Chart 1272, survey, and Southern Louisiana by U.S. Engrs.			
	Approved by DGN Nov. 26, 1935	^{29° 23' 30" N} _{89° 19' W} (w 100)			

