

5320

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

Photo
Topographic
Hydrographic

} Sheet No. T-5320 **5320**

LOCALITY

Mississippi Sound

Grand I. to Lower Point

Clear

1934

CHIEF OF PARTY

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

U. S. GOVERNMENT PRINTING OFFICE: 1928

5320

Applied to Chart 1268, July 1939 - H.S.B.
Applied to chart 878 Nov. 1946 M. Hunsbeger - was 12/1/48

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

REG. NO. 5320

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. 33

REGISTER NO. T-5320 **5320**

State Louisiana

General locality Mississippi Sound.

Locality Grand I. to Lower Point Clear.

Scale 1:20,000 Photographs: 11/28/32
1:24,000 Date of survey, 19

Wassak Air Photo Compilation Party No. 24, New Orleans, La.

Chief of party M. H. Reese

Surveyed by See data sheet in descriptive report.

Inked by H. C. Smith

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

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

Instructions dated November 7, 19 33.

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-5320

FIELD NO. 33

PHOTOS, NO.	DATE OF PHOTOGRAPHS	TIME
910-914	11/28/32	11:12 to 11:14 A. M.

	BY	DATE
PROJECTION BY	<i>E. P. Hernandez</i> E. P. Hernandez	5/24/34
PROJECTION CHECKED BY	<i>J. C. Dobler</i> J. C. Dobler	5/24/34
CONTROL PLOTTED BY	<i>H. C. Smith</i> H. C. Smith	5/24/34
CONTROL CHECKED BY	<i>R. E. Wagner</i> R. E. Wagner	5/24/34
RADIAL LINE PLOT BY	<i>H. C. Smith</i> H. C. Smith	5/24/34
RADIAL LINE PLOT CHECKED BY	<i>M. H. Reese</i> M. H. Reese	5/24/34
DRAFTING OF PHOTOGRAPHS BY	<i>H. C. Smith</i> H. C. Smith	6/7/34
PASTING OF NAMES BY	<i>H. C. Smith</i> H. C. Smith	6/7/34
REVIEW OF .COMPILATION BY	<i>H. C. Smith</i> H. C. Smith	6/7/34

AREA OF DETAIL INKED-- 2.77 sq. Statute Miles.

LENGTH OF SHORELINE-- (more than 100 meters from nearest opposite shore) 13.2 Statute Miles.

- COMPILER'S REPORT -

FOR

PHOTO TOPOGRAPHIC SHEET, FIELD NO. 33

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; from the reports of Lieut. Comdr. R. L. Schoppe and Lieut. W. H. Bainbridge, in charge of triangulation work done in this area at the time of compilation; and from the members of the field inspection party.

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

The high water line in this area was well defined on the photographs and no difficulty was encountered in tracing same.

The area covered by this sheet consists principally of low marshy ground cut by small streams and mud flats. The area is greatly undeveloped and evidently there are no inhabitants, there being no houses, roads, cultivated land or other evidence of development.

This sheet was compiled from photographs taken by the U. S. Army Air Corps' five lens T-3A camera, No. 32-3; photograph numbers, 910-914; the line of flight of the photographs (West flight only flight on sheet) runs approximately along Longitude $89^{\circ}26'50''$.

CONTROL:

(A) Sources:

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

(a) Triangulation by Lieut. Comdr. R. L. Schoppe and Lieut. W. H. Bainbridge in this area at the time of compilation.

The geographic positions obtained by Lieut. Comdr. R. L. Schoppe and Lieut. W. H. Bainbridge were used as control, these being on the North American 1927 Datum. The field computations were used.

(B) Errors:

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

(C) Discrepancies:

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

* The small section of Lower Point Clear
as traced from The D print without radial
line plot is controlled by a A station.

B.G.J.

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 flight strip are free of excessive tilt and scale fluctuations, the area was covered almost in its entirety by the "B" prints, with the exception of the lower region of Lower Point Clear, which was drawn in on the sheet. No pictures were available covering this area, and since it was deemed advisable to show at least a small region of this area, it was drawn in from the "D" print of picture No. 913. As there were no radial intersections the general line of flight was followed and the picture was oriented in respect to control stations only. Other than in the case of the region of Lower Point Clear, the radial line plot required no unusual adjustments.

(C) Interpretation:

In areas where there was no field inspection data available, the classification of features was determined by close examination of the field photographs. Streams and bayous whose size would afford it, were shown by a double solid line. Smaller streams were shown by a single unbroken line. In other respects all symbols as approved by the Board of Surveys and Maps (1932) were used in the compilation of this sheet.

(D) Information From Other Sources:

There was no other sources of information for this sheet, other than that obtained from the photographs, from the field inspection party and from the reports of Lieut. Comdr. R. L. Schoppe and Lieut. W. H. Bainbridge.

(E) Conflicting Names:

All the names on this sheet were taken from the U.S. Coast and Geodetic Survey Chart No. 1268 and the reports of the field inspection party. Comparing these names with those on the Map of Southern Louisiana by the U. S. Engineers, no conflict in names was found.

COMPARISON WITH OTHER SURVEYS:

The detail on this sheet does not join with that on the air photo topographic sheets adjoining on the South, East, or West, numbers T-5321, T-5325, T-5312, respectively. Therefore, no matching of detail was required. In comparing this sheet with U. S. Coast and Geodetic Survey Chart No. 1268 and U. S. Corps of Engineers' Map of Southern Louisiana, it is found that the shore lines are generally about the same, except for a few slight variations, which are due to shore line changes brought about by tidal conditions.

LANDMARKS:

~~There are no~~ lists of landmarks available for this area, which have been recommended by the field inspection or by other field parties *are submitted on form 567*

RECOMMENDATIONS FOR FURTHER SURVEYS:

The compilation of this sheet is believed to have a probable error of five meters in well defined detail and ten meters for other data. There was no detail of great importance except the shore lines at high tides. That region of Lower Point Clear which was drawn on this sheet from the "D" print of a picture that was almost to scale, holding control station Lake Borgne Light and azimuth of flight. Due to closeness to "B" print and the fact that only a small area was traced, it is believed to be a representation within fair accuracy.

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 except, of course, for the above mentioned region of Lower Point Clear.

H. C. Smith
Submitted by: H. C. Smith,
Draftsman

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

Note: Due to the fact that the centers of most of the photographs on this compilation fall over the water the radial line plot could be used to only a limited extent. The detail shown was evidently traced from the photos by using the as control the triangulation stations shown and cuts from the plot on T5321 which would assist in controlling the azimuth. The photos seem to have been free of large tilts and the compilation is accepted as sufficiently accurate for charting. The accuracy of location of five to ten meters given above is too high. A better estimate is from fifteen to twenty five meters.

B. J. Jones

Note: The compilation has been compared with Survey T3664 (1916 to 1918)

There has been very little change in these islands since the date of that Survey.

B. Agones

REVIEW OF PHOTO TOPOGRAPHIC SURVEY NO. T-5320

Title (Par. 56) Forwarded with Sheet.

Chief of Party M. H. Reese

Compiled by H. C. Smith

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

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.) *See page 3 and page 4 of the report.*
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 offwhite page.*
8. The span, draw and clearance of bridges are shown. (Par. 16c.)
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. *None submitted*
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.)
14. The geographic datum of the sheet is North American 1927 *unadjusted* and the reference station is correctly noted. (Par. 34.)
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.) *Names agree with chart 1268 and no new names are shown.*
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:

R.T. Adams
Chief, Section of Field Records
L.O. Pollock
Chief, Division of Charts

James S. Borden
Chief, Section of Field Work
G. H. de
Chief, Division of
Hydrography and Topography.

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

LANDMARKS FOR CHARTS

New Orleans, La.

June 7, 1934.

DIRECTOR, U. S. COAST AND GEODETIC SURVEY:

The following determined objects are prominent, can be readily distinguished from seaward from the description given below, and should be charted.

M. H. Reese.

Chief of Party.

[illegible]

A list of objects carefully selected because of their value as landmarks as determined from seaward together with individual descriptions, must be furnished in a special report on this form, and a copy of such report must be attached by the Chief of Party to his descriptive report.

The selection, determination, and description of these points are an important factor in the value of the chart. Landmarks selected at appropriate intervals can be clearly charted. However, when none is outstanding, a group of two or three objects may by their interrelationship provide positive identification. A group so selected should be indicated.

The description of each object should be short, but such as will clearly identify it; for example, a standpipe, elevated tank, gas tank, church spire, tall stack, red chimney, radio mast, etc. Assign numerals to landmarks to indicate: (1) offshore, (2) inshore, (3) harbor, 1, 2, 3 would be a mark useful on all charts. Generally, flagstuffs and like objects are not sufficiently permanent to chart.

GEOGRAPHIC NAMES

Survey No. T 5320

Name on Survey	A On Chart No. 1268	B On previous survey No. 1268	C On U.S. Coast Pilots U.S. Light List	D From local information	E On local Maps	F P. O. Guide or Map	G Rand McNally Atlas	H U.S. Coast Pilots U.S. Light List	I U.S. Engrs
<u>Lower Point Clear</u> ✓	✓		✓						1
<u>Mississippi Sound</u> ✓	✓		✓			✓	✓	✓	2
<u>Grand Island Pass</u> ✓	✓		✓			✓	✓	✓	3
<u>Grassy Island</u> ✓	✓		✓				✓	✓	4
<u>Lake Borgne</u> ✓	✓		✓			✓	✓	✓	5
<u>Grand Island</u> ✓	✓		✓			✓	✓	✓	6
<u>West Bayou</u> ✓	✓		✓	✓					7
<u>Grauthier Bayou</u>			✓	✓					8
									9
									10
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									25
New names 7 & 8 are from survey by U.S.G.S. in 1935									26
<u>Underlined</u> names approved Feb. 14, 1936 H. Bacon									27