

9669

ORIGINAL

Diag. Cht. Nos. 1268-2 and 1270.

| | |
|---|-------------------|
| Form 504 | |
| U. S. DEPARTMENT OF COMMERCE | |
| COAST AND GEODETIC SURVEY | |
| DESCRIPTIVE REPORT | |
| Type of Survey | TOPOGRAPHIC |
| Field No. Ph-89 | Office No. T-9669 |
| LOCALITY | |
| State | Louisiana |
| General locality | Chandeleur Sound |
| Locality | Point Comfort |
| 19 55 | |
| CHIEF OF PARTY | |
| P.L. Bernstein, Chief of Field Party Ira R. Rubottom, Tampa Photo Office | |
| LIBRARY & ARCHIVES | |
| APR 15 1958 | |
| DATE | |

COMM-DC 51300

9669

DATA RECORD

T-9669

Project No. (II): Ph-89

Quadrangle Name (IV):

RANGEVIEW SOUND POINT COMFORT

Field Office (II): New Orleans, La.

Chief of Party: P. L. Bernstein

Photogrammetric Office (III): Tampa Florida

Officer-in-Charge: Ira R. Rubottom

Instructions dated (II) (III): 11 April 1952

Copy filed in Division of
Photogrammetry (IV)

Method of Compilation (III): Graphic

Manuscript Scale (III): 1:20,000

Stereoscopic Plotting Instrument Scale (III):

Scale Factor (III): Negligent

Date received in Washington Office (IV):

Date reported to Nautical Chart Branch (IV):

Applied to Chart No.

Date:

Date registered (IV):

4 May 1958

Publication Scale (IV):

Publication date (IV):

Geographic Datum (III): N.A. 1927

Vertical Datum (III): M.S.L.

Mean sea level except as follows:

Elevations shown as (25) refer to mean high water

Elevations shown as (5) refer to sounding datum

i.e., mean low water or mean lower low water

Reference Station (III): COMFORT, 1952✓

Lat.: 29° 49' 31".157 (959.3m)✓

Long.: 89° 14' 26".165 (702.5m)✓

Adjusted
Unadjusted

Plane Coordinates (IV):

State:

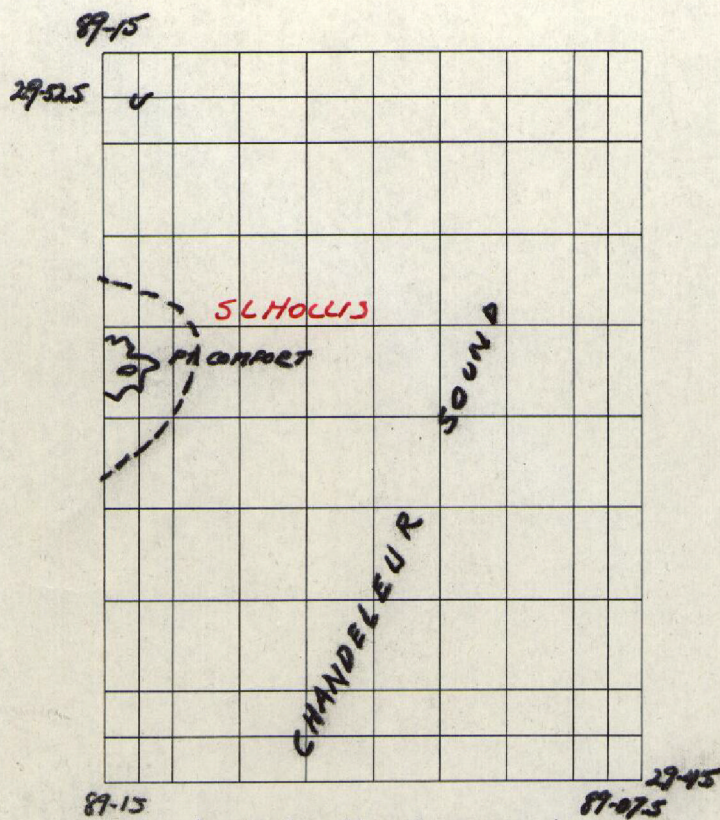
Zone:

Y=

X=

Roman numerals indicate whether the item is to be entered by (II) Field Party, (III) Photogrammetric Office,
or (IV) Washington Office.

When entering names of personnel on this record give the surname and initials, not initials only.



Areas contoured by various personnel
 (Show name within area)
 (II) (III)

DATA RECORD

Field Inspection by (II): S.L.Hollis, Jr.

Date: June-Aug. 1952

Planetable contouring by (II): ~~S.L.Hollis, Jr.~~Date: ~~June 1952~~

Completion Surveys by (II):

No contours
AGB
See REVIEW REPORT FOR T-9668

Date:

Mean High Water Location (III) (State date and method of location):

28 September 1952
Air Photo Compilation

Projection and Grids ruled by (IV): J. Thuma (W.O.)

Date: 30 June 53

Projection and Grids checked by (IV): H.D.Wolfe (W.O.)

Date: 30 June 53

Control plotted by (III): I.I.Saperstein

Date: 19 Aug. 53

Control checked by (III): R.J.Pate

Date: 20 Aug. 53

Radial Plot or Stereoscopic

Control extension by (III):

M.M.Slavney

Date: 26 May 54

Planimetry

Stereoscopic Instrument compilation (III): Inapplicable
Contours

Date:

Date:

Manuscript delineated by (III): J.E.Johnson

Date: Nov. 1954

Photogrammetric Office Review by (III): J.A.Giles

Date: May 1955

Elevations on Manuscript
checked by (III):

J.A.Giles

Date: Nov. 1954

Camera (kind or source) (III): C&GS 9-lens camera
MDA Camera

| Number | Date | PHOTOGRAPHS (III) Time | Scale | Stage of Tide |
|------------|------------|---------------------------|----------|---------------|
| 39391 | 28 Sept 52 | 1022 | 1:20,000 | 1.4 |
| 39392 | " | 1023 | " | " |
| MDA 6- 032 | 8 Feb52) | Field photographs | | |
| MDA 6- 033 | 8 Feb52) | | | |

Tide (III)
From predicted tides.

Reference Station: Pensacola Fla.
Subordinate Station: Cat Is. (West Pt.) Miss
Subordinate Station:

| Ratio of Ranges | Mean Range | Spring Range |
|--------------------|---------------|-----------------|
| 1.3 | | 1.7 |
| 1.3 | | 1.7 |
| | | |

Washington Office Review by (IV):

Date:

Final Drafting by (IV):

Date:

Drafting verified for reproduction by (IV):

Date:

Proof Edit by (IV):

Date:

Land Area (Sq. Statute Miles) (III): 1

Shoreline (More than 200 meters to opposite shore) (III): 4

~~Shoreline (Less than 200 meters to opposite shore) (III):~~

Control Leveling - Miles (II): None

Number of Triangulation Stations searched for (II): 1 (1)*

Recovered: none

Identified: none (1)*

Number of BMs searched for (II): None

Recovered:

Identified:

Number of Recoverable Photo Stations established (III): None

Number of Temporary Photo Hydro Stations established (III): None

Remarks:

()* Third-Order stations established

SUMMARY TO ACCOMPANY TOPOGRAPHIC MAP

This topographic map is one of 17 similar maps of Project PH-89. It covers a portion of Louisiana from Mississippi Sound south to Breton Sound.

Project PH-89 is a graphic compilation project. Field work in advance of compilation included the establishment of some additional control, complete field inspection, the delineation of 5 foot contours directly on the nine-lens photographs by planetable methods, and the investigation of geographic names and political boundaries.

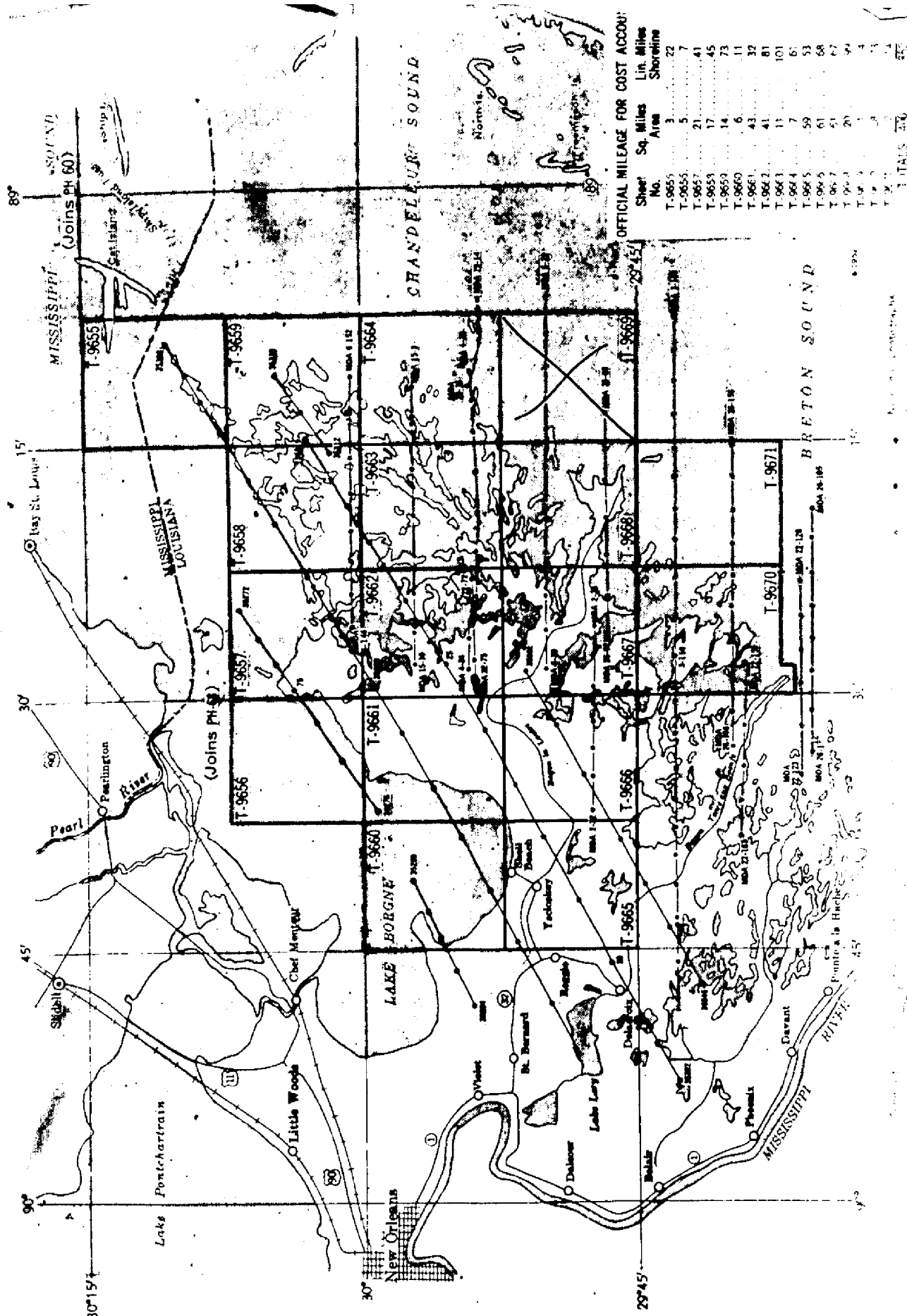
Since almost all the terrain was marsh, only 3 of the maps on PH-89 were field edited. They are T-9660, T-9665, T-9667. All were compiled at the scale of 1:20,000, using nine-lens photographs taken in 1952. Newer 6W camera photographs taken in 1955 were used to revise delineation where necessary. There were few such cases.

With the addition of hydrographic data these maps will be forwarded to the Geological Survey for publication as standard $7\frac{1}{2}$ minute quadrangles.

Items registered under each map number will include a Cronar film positive and a descriptive report.

LOUISIANA, Mississippi Sound to Bretton Sound

Wavelength: 400-700 nm



2. AREAL FIELD INSPECTION

The entire land area is marsh and consists of the eastern half of Comfort Island and a small tip of land in the northeast corner of the quadrangle.

Field inspection is believed to be adequate and complete.

Photographic quality is poor.

Field work was done on single lens photographs MDA-6-33(2 of 2) and MDA-6-33(1 of 2).

3. HORIZONTAL CONTROL

The following third-order triangulation station was established during the field work: COMFORT 1952.

4. VERTICAL CONTROL

Drum Bay tide staff was used to establish mean sea level datum in this quadrangle. See "Special Report, Vertical Control and Contouring, Project Ph-89".

5. CONTOURS AND DRAINAGE

See "Special Report, Vertical Control and Contouring, Project Ph-89".

6. to 8. WOODLAND COVER, SHORELINE AND ALONGSHORE FEATURES, and OFFSHORE FEATURES, respectively:

See Field Inspection Report, Quadrangle T-9659().

9. LANDMARKS AND AIDS

There are no landmarks nor aids in the area.

10. BOUNDARIES, MONUMENTS AND LINES

See Field Inspection Report, Quadrangle T-9659().

11. OTHER CONTROL

There is no other control.

12. OTHER INTERIOR FEATURES

None.

13. GEOGRAPHIC NAMES

See "Special Report, Geographic Names, Project Ph-89".

14. SPECIAL REPORTS AND SUPPLEMENTAL DATA

"Special Report, Vertical Control and Contouring, Project Ph-89", to be submitted at a later date.

"Special Report, Boundaries, Project Ph-60(49)", forwarded to Washington Office 5 September 1951.

"Special Report, Geographic Names, Project Ph-89", to be forwarded at a later date.

Letter of Transmittal No. 89-7, Horizontal Control Data, forwarded to Tampa Photogrammetric Office 27 August 1952.

Letter of Transmittal No. 89-10, Horizontal Control Data, forwarded to Washington Office 27 August 1952.

Letter of Transmittal No. 89-11, Forms 567, forwarded to Washington Office 8 September 1952.

Letter of Transmittal No. 89-12, Forms 567, forwarded to Tampa Photogrammetric Office 8 September 1952.

Letter of Transmittal No. 89-17, Data, Quadrangles T-9665(), T-9666(), T-9667(), T-9668(), and T-9669(), forwarded to Washington Office 17 September 1952.

Submitted
8 September 1952

Steven L. Hollis
Steven L. Hollis, Jr.
Lieut. (j.g.), U.S.C. & G.S.

Approved & Forwarded
17 September 1952

Percy L. Bernstein
Percy L. Bernstein
Chief of Party

COMPIIATION REPORT - T-9669PHOTOGRAMMETRIC PLOT REPORT

Submitted with T-9655

31. DELINEATION

The graphic method of compilation was used; no unusual problems were encountered.

The photographs were of fair quality in scale and tone. Field inspection was satisfactory.

The manuscript is complete. Refer to Item 36 for an island that disappeared between the time of field inspection and the office nine-lens photography.

32. CONTROL

Reference Photogrammetric Plot Report.

33. SUPPLEMENTAL DATA

None.

34. CONTOURS AND DRAINAGE

The maximum ground elevation is 2 feet.

No difficulties were encountered in delineation of the drainage.

35. SHORELINE AND ALONGSHORE DETAILS

The shoreline was delineated in accordance with the field inspectors notes.

36. OFFSHORE DETAILS

A small island approximately 250 meters east of Point Comfort, which had been noted on the single-lens field inspection photographs, could not be seen on the nine-lens compilation photographs. Since the nine-lens photographs were taken seven months after the field inspection photographs, it is believed the island was washed away during an intervening storm and therefore it was not delineated. *

37. LANDMARKS AND AIDS

None.

* No island is visible in the area on the 1955 photographs. The island noted on the single lens field inspection photographs is approximately 3 or 4 meters in its longest demension. As noted above (36:) the island was probably washed away.

38. CONTROL FOR FUTURE SURVEYS

There are no recoverable topographic stations or photo-hydro stations.

39. JUNCTIONS

Junction was made to the north with T-9664, and T-9668 to the west. CHANDELEUR SOUND lies east and south of the quadrangle.

40. HORIZONTAL AND VERTICAL ACCURACY

No statement.

41. PUBLIC LAND LINES

No control for the location of public land lines was recovered by the field inspector.

46. COMPARISON WITH EXISTING MAPS

Comparison was made with C&GS Planimetric Map T-5409, scale 1:20,000, compiled in November 1932, and USGS MORGAN HARBOR and MITCHELL KEYS Quadrangles, scale 1:31,680, edited in 1935.

The only discrepancies noted were a change in the position and shape of the shoreline, due to erosion by wave action and the southern portion of a small marsh island which had been omitted from the southern corner of the MITCHELL KEYS QUADRANGLE.

47. COMPARISON WITH NAUTICAL CHARTS

Comparison was made with C&GS Chart 1270, scale 1:80,000, published June 1947(2nd Edition) and bearing a print date 18 October 1954. No differences worthy of note exist.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None

ITEMS TO BE CARRIED FORWARD

None

W. W. Shawney for
James E. Johnson
Cartographic Aid (General)

Approved and Forwarded:

Ira R. Rubottom
Ira R. Rubottom
Chief of Party

48. GEOGRAPHIC NAME LISTCHANDELEUR SOUND
COMFORT ISLANDLOUISIANAPOINT COMFORTST. BERNARD PARISH

*Names approved
10-19-55. L. Heck*

PHOTOGRAMMETRIC OFFICE REVIEW

50.

T-9669

1. Projection and grids J.G. 2. Title J.G. 3. Manuscript numbers J.G. 4. Manuscript size J.G.

CONTROL STATIONS

5. Horizontal control stations of third-order or higher accuracy M.M.S. 6. Recoverable horizontal stations of less than third-order accuracy (topographic stations) XX 7. Photo hydro stations XX 8. Bench marks XX 9. Plotting of sextant fixes XX 10. Photogrammetric plot report J.G. 11. Detail points J.G.

ALONGSHORE AREAS

(Nautical Chart Data)

12. Shoreline J.G. 13. Low-water line J.G. 14. Rocks, shoals, etc. J.G. 15. Bridges XX 16. Aids to navigation XX 17. Landmarks XX 18. Other alongshore physical features XX 19. Other along-shore cultural features XX

PHYSICAL FEATURES

20. Water features J.G. 21. Natural ground cover J.G. 22. Planetable contours XX 23. Stereoscopic instrument contours XX 24. Contours in general XX 25. Spot elevations XX 26. Other physical features XX

CULTURAL FEATURES

27. Roads XX 28. Buildings XX 29. Railroads XX 30. Other cultural features XX

BOUNDARIES

31. Boundary lines XX 32. Public land lines J.G.

MISCELLANEOUS

33. Geographic names J.G. 34. Junctions J.G. 35. Legibility of the manuscript J.G. 36. Discrepancy overlay XX 37. Descriptive Report J.G. 38. Field inspection photographs J.G. 39. Forms J.G.

40. Jesse A. Giles
Reviewer

M.M. Slavney
Supervisor, Review Section or Unit
for William A. Rasure

41. Remarks (see attached sheet)

FIELD COMPLETION ADDITIONS AND CORRECTIONS TO THE MANUSCRIPT

42. Additions and corrections furnished by the field completion survey have been applied to the manuscript. The manuscript is now complete except as noted under item 43.

Compiler

Supervisor

43. Remarks:

49. NOTES FOR THE HYDROGRAPHER

None

For Review Report see Manuscript T-9668

Review Report T-9668, T-9669
Topographic Map
16 October 1957

61. General Statement

See Summary

62. Comparison with Registered Topographic Surveys

| | | |
|------|----------|------|
| 769 | 1:20,000 | 1859 |
| 1099 | 1:20,000 | 1870 |
| 1148 | 1:20,000 | 1870 |
| 1198 | 1:20,000 | 1871 |
| 5322 | 1:20,000 | 1934 |
| 5409 | 1:20,000 | 1934 |

Manuscripts T-9668, T-9669 supercede all the above surveys in common areas as source material for use in chart construction.

63. Comparison with Maps of Other Agencies

| | | | |
|------|---------------|----------|------|
| USGS | Morgan Harbor | 1:31,680 | 1935 |
|------|---------------|----------|------|

64. Comparison with Contemporary Hydrographic Surveys

None

65. Comparison with Nautical Charts

| | | | |
|------------|----------|--------------|----------|
| Chart 1270 | 1:80,000 | 2nd Ed. 1947 | 12/17/56 |
|------------|----------|--------------|----------|

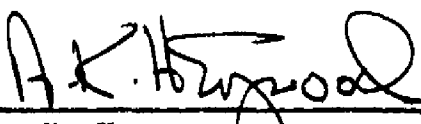
66. Adequacy of Results and Future Surveys

This manuscript complies with all instructions and meets The National Standards of Map Accuracy.

The terrain is completely marsh with no roads and one house. In view of this no Field Edit was needed.

The compilation was compared with USC&GS 1955 "W" camera photography. No changes were made.

Reviewed by:


A. K. Heywood

Approved:

L. C. Landy
Chief, Review Branch
Photogrammetry Division

W. S. R. R. R. R.
Chief; Nautical Chart Branch
Charts Division

P. W. Swanson
Chief, Photogrammetry Div. *W*
21 March 1958

J. D. Howell
Chief, Coastal Surveys Division.