

9385

Diag. Cht. No. 1267

Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey Topographic

Field No. Ph-60(149)B Office No. T-9385

LOCALITY

State Mississippi

General locality Mississippi Sound

Locality Dog Keys Pass

1945

CHIEF OF PARTY

G. E. Morris, Jr., Chief of Field Party

A. L. Wardwell, Tampa Photogrammetric

Office

LIBRARY & ARCHIVES

DATE September, 1957

9385

DATA RECORD

T -9385

Project No. (II): **Ph-60(49)B** Quadrangle Name (IV):

Field Office (II): **Gulfport, Mississippi**

Chief of Party: **George E. Morris, Jr.**

Photogrammetric Office (III): **Tampa, Florida**

Officer-in-Charge: **Arthur L. Wardwell**

Instructions dated (II) (III): **8 August 1950**

Copy filed in Division of
Photogrammetry (IV)

Office Files

Method of Compilation (III): **Graphic**

Manuscript Scale (III): **1:20,000**

Stereoscopic Plotting Instrument Scale (III): **Inapplicable**

Scale Factor (III): **None**

Date received in Washington Office (IV):

MAR 17 1952

Date reported to Nautical Chart Branch (IV):

APR 3 - 1952

Applied to Chart No.

Date:

Date registered (IV): **3-24-57**

Publication Scale (IV):

Publication date (IV):

Geographic Datum (III): **N. A. 1927**

Vertical Datum (III):

MSL

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): **SHIP ISLAND LIGHTHOUSE, 1902 (on T-9384)**

Lat.: **30° 12' 45".146 (1390.1m)** Long.: **88° 57' 57".838 (1546.9m)**

Adjusted
~~Unadjusted~~

Plane Coordinates (IV):

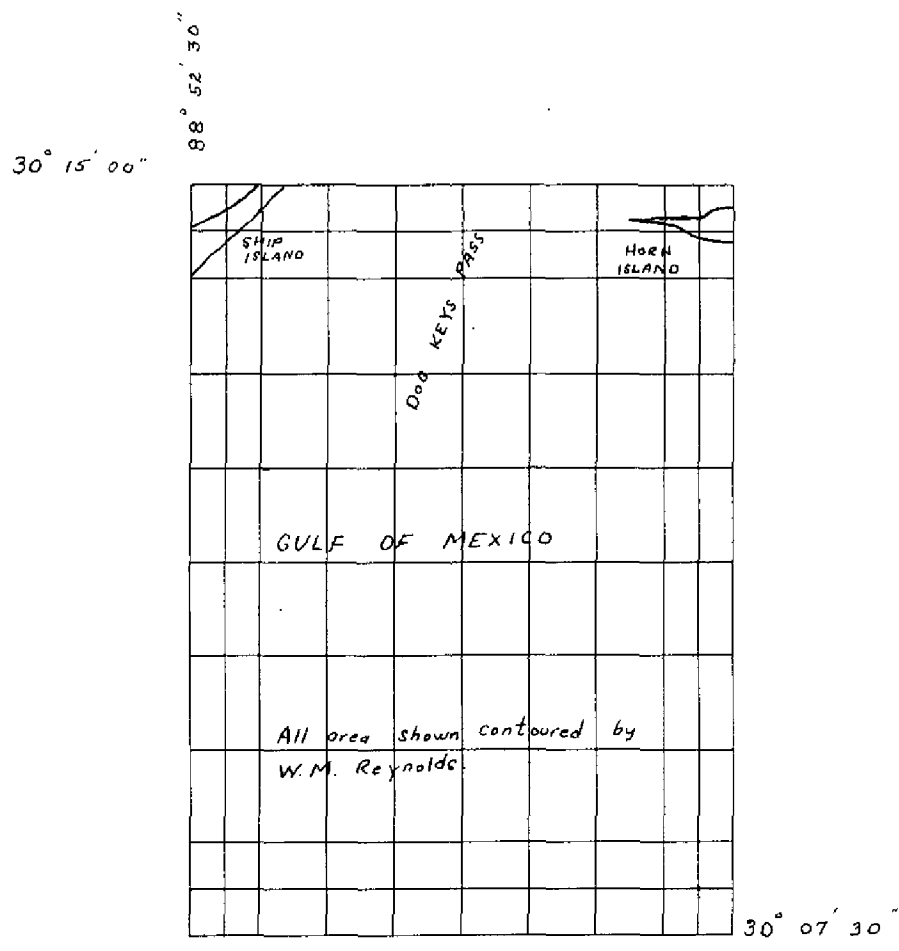
State: **Mississippi** Zone: **East**

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)

88° 46' 00"

DATA RECORD

Field Inspection by (II): **W. M. Reynolds**Date: **October 1950**Planetable contouring by (II): **W. M. Reynolds**Date: **October 1950**Completion Surveys by (II): **None**

Date:

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

12 Oct. 1950
Air Photo CompilationProjection and Grids ruled by (IV): **T. L. J. (W.O.)**Date: **12 Feb. 1951**Projection and Grids checked by (IV): **H. D. W. (W.O.)**Date: **26 Feb. 1951**Control plotted by (III): **I. I. Saperstein**Date: **26 Apr. 1951**Control checked by (III): **R. J. Pate**Date: **17 May 1951**~~Radial Plot of Stereoscopic~~
~~Control Extension by (III):~~**M. M. Slavney**

Date:

26 July 1951

Stereoscopic Instrument compilation (III):

Planimetry

Inapplicable

Contours

Date:

Date:

Manuscript delineated by (III): **R. E. Smith Jr.**Date: **23 Oct. 1951**Photogrammetric Office Review by (III): **J. A. Giles**Date: **13 Dec. 1951**

Elevations on Manuscript

checked by ~~W~~ (III): **J. A. Giles**

Date:

12 Dec. 1951

Camera (kind or source) (III): **U. S. C. & G. S. Nine-lens Camera, Focal Length 8.24 inches**

Number	Date	Time	Scale	Stage of Tide
26041 thru 26043	15 May 1950	1546	1:20,000	0.4
26044 thru 26046	"	1551	"	"

Tide (III)

Reference Station: **PENSACOLA**
Subordinate Station: **SHIP ISLAND PASS**
Subordinate Station:

Ratio of Ranges	Mean Range	Diurnal Spring Range
1.3		1.7

Washington Office Review by (IV): *Everett H. Ramey*

Date: *27 Jan 1955*

Final Drafting by (IV): *J.H. Frazier*

Date: *Nov 10, 1955*

Drafting verified for reproduction by (IV):

Date:

Proof Edit by (IV):

Date:

Land Area (Sq. Statute Miles) (III): ;
Shoreline (More than 200 meters to opposite shore) (III): **2**
Shoreline (Less than 200 meters to opposite shore) (III): **none**
Control Leveling - Miles (II):
Number of Triangulation Stations searched for (II): **1 (8)** Recovered: **0**
Number of BMs searched for (II): **0** Recovered: **0**
Number of Recoverable Photo Stations established (III): **none**
Number of Temporary Photo Hydro Stations established (III): **none**

Identified: **(2)**
Identified: **0**

Remarks: **() Outside quadrangle.**

Summary to Accompany Topographic Map T-9385

This topographic map is one of eleven similar maps of Part B of Project Ph-60. Part B covers the islands in Mississippi, Chandeleur and Breton Sounds in Louisiana and Mississippi.

Project Ph-60 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 photographs by planetable methods, and the investigation of geographic names and political boundaries.

None of the maps of Part B of Project Ph-60 were field edited. All were compiled at a scale of 1:20,000, using nine-lens photographs taken in 1950. With the addition of hydrographic data, these maps will be forwarded to the Geological Survey for publication as standard 7-1/2-minute topographic maps.

Items registered under each map number will include a descriptive report, ~~eleven~~ copies of the manuscript and the published map.

CRONAR

FIELD INSPECTION REPORT IS BOUND

WITH T-9384.

PHOTOGRAMMETRIC PLOT REPORT

This report is filed as part of the Descriptive Report
for T-9383 and covers maps T-9383 thru T-9393.

SCALE FACTOR.

[illegible]

DATE 12 April 1951

M-2388-12

8

COMPILATION REPORT T-9385

PHOTOGRAMMETRIC PLOT REPORT.

Submitted with T-9383.

31. DELINEATION.

Compiled by graphic method. No unusual method of compilation was employed. The field inspection was adequate.

32. CONTROL.

A sufficient number of well placed secondary control points were established by the radial plot.

33. SUPPLEMENTAL DATA.

None.

34. CONTOURS AND DRAINAGE.

Reference Item 5.

35. SHORELINE AND ALONGSHORE DETAILS.

The shoreline inspection was adequate. For low-water line information, refer to Item 7.

36. OFFSHORE DETAILS.

None.

37. LANDMARKS AND AIDS.

None.

38. CONTROL FOR FUTURE SURVEYS.

None.

39. JUNCTIONS.

Survey T-9382 on the north, in agreement.

Survey T-9386 on the south, in agreement.

Survey T-9384 on the west, in agreement.

No contemporary survey on the east.

40. HORIZONTAL AND VERTICAL ACCURACY.

No statement.

See §66

41. PUBLIC LAND LINES.

No section corners were recovered, therefore it was not possible to locate section lines^{*} from General Land Office plats.

^{*} Added during final review. *SWK*

46. COMPARISON WITH EXISTING MAPS.

None.

See §62 & §63

47. COMPARISON WITH NAUTICAL CHARTS.

Comparison has been made with USC&GS Nautical Chart No. 1267, scale 1:80,000, published March 1947 (6th Edition) and corrected to March 1951. The fast land of "SHIP ISLAND" has extended northeastwardly to include the islet shown on the nautical chart as "EAST POINT".

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY.

None.

ITEMS TO BE CARRIED FORWARD.

None.

Rexford E. Smith Jr.

Rexford E. Smith Jr.

Carto Photo Aid

APPROVED AND FORWARDED:

Arthur L. Wardwell

Arthur L. Wardwell, Chief of Party

REVIEW REPORT
Topographic Map T-9385
27 January 1955

62. Comparison with Registered Topographic Surveys:

Misc. 2	1:200,000	1845
T-244	1:20,000	1848
T-274	"	1849
T-407	1:10,000	1853
T-3701	1:40,000	1916-17
T-3703	"	1917
T-7017	1:10,000	1946

Considerable changes in shoreline have occurred since these surveys. No trace of the island (T-3703) at lat. $30^{\circ} 15.1'$, long. $88^{\circ} 48.1'$, is discernible on the photographs. For the area it encompasses, T-9385 is to supersede these prior surveys for nautical charting purposes.

63. Comparison with Maps of Other Agencies:

Horn Island, Miss. (G.S. 1942) 1:62,500

This map covers the western tip of Horn Island which is common to T-9385. There is some difference in shoreline.

64. Comparison with Contemporary Hydrographic Surveys:

None.

65. Comparison with Nautical Charts:

875	1:40,000	1952, corrected to 54-2/15
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The only difference noted is in foreshore areas which were not positioned on T-9385.

66. Adequacy of Results and Future Surveys:

This map meets the National Standards of Map Accuracy. Except for the lack of topographic stations, it should satisfy Bureau requirements.

Reviewed by:


Everett H. Ramey

APPROVED:

Lester C. Lande

Chief, Review Section
Photogrammetry Division

Wallace A. Bruder 9/16/57

Chief, Nautical Chart Branch
Charts Division

L. W. Swanson

Chief, Photogrammetry Division

Aug 28, 1957

[Signature]

Chief, Coastal Surveys Division

HISTORY OF HYDROGRAPHIC INFORMATION FOR T-9385

Hydrography was added to the map manuscript in accordance with the Photogrammetry Division General Specifications of 18 May 1949.

Depth Curves and soundings are in feet at Mean Lower Low Water datum and originate with the following C&GS Nautical Charts:

<u>No.</u>	<u>Scale</u>	<u>Corrected to</u>
875	1:40,000	8-22-55
1276	1:80,000	1- 2-56

Comparison of hydrography was made to Hydrographic Survey No. 365 (1853 and 1889), Scale 1:20,000 and Hydrographic Survey No. 4,000 (March 18, 1917), Scale 1:40,000.

Hydrography was compiled by Bernard J. Colner on 20 January 1956 and verified by O. Svendsen on 9 February 1956.

48. GEOGRAPHIC NAME LIST.

DOG KEYS PASS

EAST POINT

GULF OF MEXICO

HARRISON COUNTY

HORN ISLAND

JACKSON COUNTY

MISSISSIPPI

MISSISSIPPI SOUND

SHIP ISLAND

SUPERVISORS DISTRICT 1 (HARRISON COUNTY)

SUPERVISORS DISTRICT 4 (JACKSON COUNTY)

} Not mapped. ¹⁹⁷²

West Point (of Horn I.)

Names underlined in red
are approved. 8-21-52
L. Heck

49. NOTES FOR THE HYDROGRAPHER.

None.

TIDE COMPUTATION

PROJECT NO. Ph-60(50)T. 9385

Time and date of exposure 1551 5-15-50

Reference station

PENSACOLA

Mean range

Date of field inspection 24 October 1950

Subordinate station

SHIP ISLAND PASS

Ratio of ranges 1.3

	Time	
	h.	m.
High tide	9	11
Low tide	20	11
Duration of rise or fall	11 00	

	Height feet	Height x Ratio of ranges
High tide	1.3	1.7
Low tide	-0.1	-0.1
Range of tide	1.8	

	Time	
	h.	m.
High tide at Ref. Sta.	9	11
Time difference	-0	35
Corrected time at Subordinate station	8	36

	Time	
	h.	m.
Low tide at Ref. Sta.	20	11
Time difference	-0	35
Corrected time at Subordinate station	19	36

	h. m.		feet	feet	Photo. No.
	h.	m.			
Time 1114 L. T.	19	36	-0.1 0.5 0.4	Feature bares Stage of tide above MLW Feature above MLW	26044 thru 26045
Required time	15	51			
Interval	3	45			
Time H. T. or L. T.			Ht. H. T. or L. T. Tabular correction Stage of tide above MLW	Feature bares Stage of tide above MLW Feature above MLW	
Required time					
Interval					
Time H. T. or L. T.			Ht. H. T. or L. T. Tabular correction Stage of tide above MLW	Feature bares Stage of tide above MLW Feature above MLW	
Required time					
Interval					
Time H. T. or L. T.			Ht. H. T. or L. T. Tabular correction Stage of tide above MLW	Feature bares Stage of tide above MLW Feature above MLW	
Required time					
Interval					
Time H. T. or L. T.			Ht. H. T. or L. T. Tabular correction Stage of tide above MLW	Feature bares Stage of tide above MLW Feature above MLW	
Required time					
Interval					

PHOTOGRAMMETRIC OFFICE REVIEW

T- 9385

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.H.S. 6. Recoverable horizontal stations of less than third-order accuracy (topographic stations) J.G. 7. Photo hydro stations XXX 8. Bench marks XXX 9. Plotting of sextant fixes XXX 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 XXX 16. Aids to navigation XXX 17. Landmarks XXX 18. Other alongshore physical features J.G. 19. Other along-shore cultural features J.G.

PHYSICAL FEATURES

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

CULTURAL FEATURES

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

BOUNDARIES

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

MISCELLANEOUS

33. Geographic names J.G. 34. Junctions J.G. 35. Legibility of the manuscript J.G. 36. Discrepancy overlay J.G. 37. Descriptive Report J.G. 38. Field inspection photographs J.G. 39. Forms J.G. 40. Jesse A. Giles William A. Rasure
Reviewer Supervisor, Review Section or Unit

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:

Applied to chart 875 before Review 12-11-53 ~~and~~
Completely applied to ch 876 before Review Dec 1953 - and has