

9382

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(49)A Office No. T-9382

LOCALITY

State Mississippi

General locality Biloxi Bay

Locality Ocean Springs

1945-54

CHIEF OF PARTY

P.L. Bernstein, Chief of Field Party
J.E. Waugh, Tmapa Photo. Office

LIBRARY & ARCHIVES

DATE May 23, 1958

9382

DATA RECORD

T-9382

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

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

Chief of Party: **P. L. Bernstein**

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

Officer-in-Charge: **J. E. Waugh**

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

Copy filed in Division of
Photogrammetry (IV)

Office Files

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

Manuscript Scale (III): **1:10,000**

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

Scale Factor (III): **None**

APR 17 1953

Date received in Washington Office (IV):

Date reported to Nautical Chart Branch (IV): **4-30-53**

Applied to Chart No.

Date:

Date registered (IV): **5-19-58**

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 (S) refer to sounding datum
i.e., mean low water or mean lower low water

Reference Station (III): **DAVIS 1935**

Lat.: **30° 22' 17".955 (552.9m.)**

Long.: **88° 46' 53".778 (1436.0m.)**

Adjusted
~~UNADJUSTED~~

Plane Coordinates (IV):

State: **Miss**

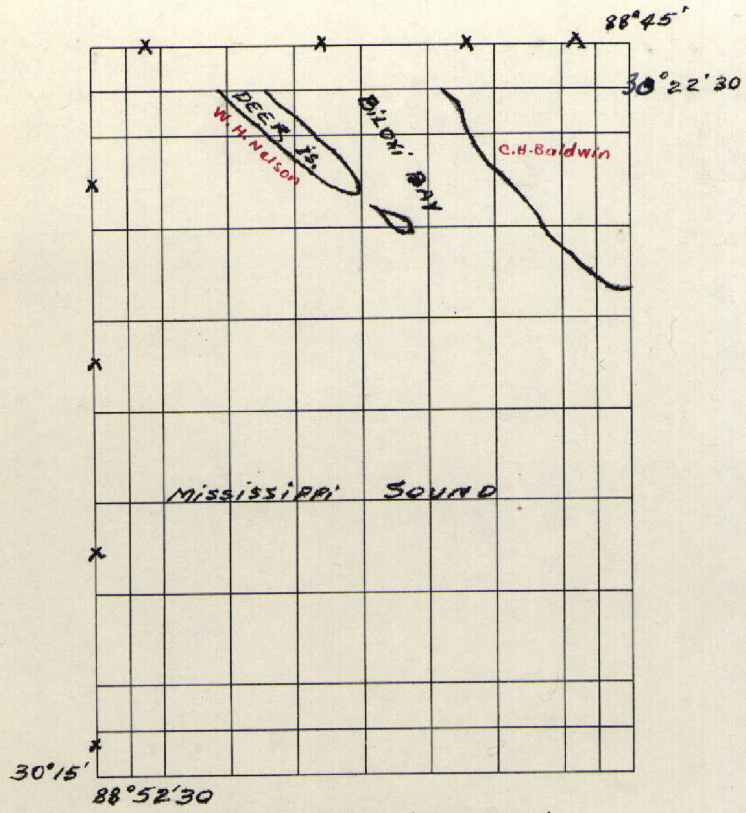
Zone: **East**

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)

DATA RECORD

Field Inspection by (II): C. H. Baldwin
W. H. Nelson

Date: Sept. 1951
Sept. & Oct. 1950

Planetable contouring by (II): C. H. Baldwin
W. H. Nelson

Date: Sept. 1951
Sept. 1950

Completion Surveys by (II): *Elgan T. Jenkins*

Date: *Mar 1954*

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

Air photo compilation September 1951

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

Date: 21 Feb. 1951

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

Date: 27 Feb. 1951

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

Date: 4 Dec. 1951

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

Date: 6 Dec. 1951

Radial Plot ~~on Stereoscopic~~
~~Control extension~~ by (III): M. M. Slavney

Date: 18 Mar. 1952

Stereoscopic Instrument compilation (III):
Planimetry Inapplicable
Contours

Date:

Date:

Manuscript delineated by (III): R. A. Reece

Date: 11 Apr. 1952

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

Date: 24 Feb. 1953

Elevations on Manuscript
checked by ~~IX~~ (III): J. A. Giles

Date: 20 Feb. 1953

Camera (kind or source) (III): USC&GS Nine-lens 8 $\frac{1}{4}$ " focal length

Number	Date	PHOTOGRAPHS (III)		Scale	Stage of Tide
		Time			
26019	15 May 1950	15.05		1:10,000	0.7
26020	"	15.06		"	"
26023	"	15.12		"	"
26024	"	15.13		"	"

Tide (III)

Reference Station: Pensacola, Florida
 Subordinate Station: Biloxi, Biloxi Bay
 Subordinate Station:

Ratio of Ranges	Mean Range	Spring Range
1.4		1.8

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

Date: *16 Nov 1955*

Final Drafting by (IV):

Date:

Drafting verified for reproduction by (IV):

Date:

Proof Edit by (IV):

Date:

Land Area (Sq. Statute Miles) (III): 2
 Shoreline (More than 200 meters to opposite shore) (III): 9
 Shoreline (Less than 200 meters to opposite shore) (III): 3
 Control Leveling - Miles (II): 7.0

* Number of Triangulation Stations searched for (II):	13	Recovered:	5	Identified:	5
** Number of BMs searched for (II):	0	Recovered:	0	Identified:	0
Number of Recoverable Photo Stations established (III):					
Number of Temporary Photo Hydro Stations established (III):					

Remarks: * Four (4) triangulation stations searched for were outside the project.

**Two (2) BMs that lie east of this quadrangle have Forms 685 submitted for them.

2. AREAL FIELD INSPECTION

The area composing this map is a small section of a low ridge running in an east-west direction just northwest of Belle Fontaine Point and the southeastern section of Deer Island.

The section of the mainland lies along the north shore of Mississippi Sound. Deer Island lies further to the west in Mississippi Sound and forms the outer barrier of Biloxi Bay.

The low ridge northwest of Belle Fontaine Point reaches an elevation of 21 feet and drops to sea level on both the north and south sides where marsh and some swamp exists. Deer Island is a typical low lying barrier island surrounded by a sand beach, scattered sand dunes now grass covered and a few detached pine covered sand ridges with areas of marsh interspersed throughout the interior.

Photography was very satisfactory in all respects. Little difficulty should be encountered in office interpretation of them. There are photographic tones indicative of any special types of vegetation peculiar to the area.

Field inspection is believed to be adequate and complete.

Interior field inspection notes are to be found on photographs 26019, 26020, 26023, and 26024.

3. HORIZONTAL CONTROL

All horizontal control required for control of the plot by project instructions was searched for and identified if recovered.

No supplemental horizontal control was established.

Of three U. S. Geological Survey traverse stations established in 1940, two were recovered and identified and the other reported lost.

The following are stations reported lost: BELLE 1910; BILL 1910; DEER 1910; LCK 1935; MONK 1910; MONK 2 1935; and OK 1910.

Horizontal control was identified on photographs 26019, 26020, 26021, and 26023.

4. VERTICAL CONTROL

There are no bench marks within the area.

Bench Mark TT8T 1940 USGS was used to supplement levels for contour control.

Fly level points were numbered 82-01 through 82-06.

5. CONTOURS AND DRAINAGE

Contouring was done directly on 1:10,000 scale photographs by plane-table methods. No departures from standard procedures were necessary to obtain the required elevations.

Drainage was delineated and classified as to type where deemed necessary.

Contouring was done on photographs 26019, 26020, 26023, and 26024.

6. WOODLAND COVER

Woodland cover of the high ground is composed entirely of pine except for scattered live oak trees around dwellings. Gum, hickory, bay, and some few scattered cypress are found in the swampy areas. Gum predominates.

7. SHORELINE AND ALONGSHORE FEATURES

The mean high water line was inspected visually and measurements made to it from identifiable detail and plotted on the photographs.

The foreshore along all shoreline except marsh is sloping sand beach.

There are no docks, wharves, piers, landings, or submarine cables in the area. *(Piling at 30° 22.2' - 88° 46.9')^{CHM}*

All other shoreline features are adequately covered by the photographs.

Shoreline inspection was done on photographs 26019, 26020, 26023, and 26024.

8. OFFSHORE FEATURES

There are no offshore features.

9. LANDMARKS AND AIDS

There are no landmarks or aids in this area.

10. BOUNDARIES, MONUMENTS, AND LINES

For boundaries, see "Special Report, Boundaries, Project Ph-60(49)".

Inquiries were made of landowners and other individuals having local knowledge of land lines of the area. These failed to disclose any existing section corners.

11. OTHER CONTROL

The following are recoverable topographic stations established: ABLE 1950; CARE 1950; and CIST 1950.

12. OTHER INTERIOR FEATURES

All roads and buildings have been indicated where obscured and classified.

A telephone line running in an east-west direction along the north side of the area was delineated.

13. GEOGRAPHIC NAMES

See "Special Report, Geographic Names, Project Ph-60(49)".

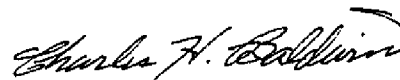
14. SPECIAL REPORTS AND SUPPLEMENTAL DATA

"Special Report, Boundaries, Project Ph-60(49)", forwarded to Washington Office 4 September 1951.

"Special Report, Geographic Names, Project Ph-60(49)", forwarded to the Washington Office 24 May 1951.

Letter of transmittal 60-23, Data, Quadrangle T-9382, forwarded to the Washington Office October 1951.

Submitted
17 October 1951



Charles H. Baldwin
Cartographic Survey Aid

Approved and forwarded
22 October 1951



Percy L. Bernstein
Chief of Party

PHOTOGRAMMETRIC PLOT REPORT

This report covers the photogrammetric plot for maps T-9376 through T-9382 and is filed as part of the Descriptive Report for T-9379.

MAP T. 9382 N. & S. PROJECT NO. PE-60A(49) SCALE OF MAP 1:10,000 SCALE FACTOR

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR Y-COORDINATE LONGITUDE OR X-COORDINATE		DISTANCE FROM GRID IN FEET. OR PROJECTION LINE IN METERS		DATUM CORRECTION	N.A. 1927 - DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS		FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS	
			FORWARD	(BACK)	FORWARD	(BACK)		FORWARD	(BACK)		
DAVIS, 1935	G3394 Pg 61	N.A. 1927	30 88	22 46	17.955 53.778			552.9 1,436.0	(1,294.7) (166.1)		
END RM 1, 1935	Comp	"	30 88	21 48	28.458 30.571			876.3 816.4	(971.3) (785.9)		
TT 9T, 1940 (USGS)	Biloxi Bay Quad 5	"	30 88	22 45	06.62 11.72			203.8 313.0	(1,643.7) (1,289.2)		
*TT 10T, 1940 (USGS)	Pascagoula Quad 280	"	30 88	21 43	44.96 09.89			1,384.5 264.1	(463.1) (1,338.1)		
HAMILL RM 1, 1935 Comp	Comp	"	246, 542,	589.52 565.05	1, 2,	589.52 565.05	(3,410.48) (2,434.95)				
* WEST OF PROJECT, BUT IDENTIFIED AND USED IN CONTROLLING RADIAL PLOT											

COMPILATION REPORT T-9382

PHOTOGRAMMETRIC PLOT REPORT.

This report was submitted with T-9379.

31. DELINEATION.

The manuscript was delineated by the graphic method.

Photographs were clear and of fair scale.

Field inspection was satisfactory.

32. CONTROL.

Sufficient control was identified. Density and placement were good.

33. SUPPLEMENTAL DATA.

None used.

GLO plats for land lines. SNR

34. CONTOURS AND DRAINAGE.

No difficulties were encountered in compiling the drainage and contours.

35. SHORELINE AND ALONGSHORE DETAILS.

Shoreline and alongshore details have been shown according to field inspection notes and photograph interpretation. Shoreline inspection is believed to be adequate.

36. OFFSHORE DETAILS.

None.

37. LANDMARKS AND AIDS.

Reference Item 9.

38. CONTROL FOR FUTURE SURVEYS.

Three (3) Forms 524 are being submitted. These stations are listed under Item 49.

39. JUNCTIONS.

This quadrangle joins Survey T-9378 to the north and Survey T-9385 to the south. Junctions are in agreement. There is no contemporaneous survey to the east. Water is to the west.

40. HORIZONTAL AND VERTICAL ACCURACY.

No statement.

See §66

41. PUBLIC LAND LINES.

No Bureau of Land Management (G.L.O.) plats were available for Deer Island. It is therefore recommended that section lines be omitted on the published quadrangle for Deer Island.

(Evidently Deer Island has not been sectionalized by G.L.O.) ENR

Section lines on the mainland were extended from Quadrangle T-9378 on the north and are only approximate. It is requested that, after further investigation, the field editor recommend whether or not the section lines on the mainland be published.

See §56

46. COMPARISON WITH EXISTING MAPS.

There are no topographic quadrangles of the area available for comparison.

See §63

CS-363 (46-12) (), 1:20,000, was used for comparison.
No significant changes have taken place.

Comparison was also made with USC&GS Planimetric Map T-5274
BILOXI-OCEAN SPRINGS, scale 1:10,000, 1947 edition, issued in
July 1949. No significant changes have taken place.

See §62

47. COMPARISON WITH NAUTICAL CHARTS.

Comparison was made with USC&GS Nautical Chart No. 875, scale
1:40,000, published January 1948, corrected to 19 September 1950.
The planimetric map listed under Item 46 was the source of the
planimetry on the nautical chart. The same differences apply.

See §64

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY.

None.

ITEMS TO BE CARRIED FORWARD.

None.

Richard A. Reece
Richard A. Reece, Carto. Photo. Aid

APPROVED AND FORWARDED:

J. E. Waugh
J. E. Waugh, Chief of Party

48. GEOGRAPHIC NAME LIST.BILOXI BAYDEER ISLANDGRAND BAYOUHARRISON COUNTYJACKSON COUNTYMISSISSIPPIMISSISSIPPI SOUNDSUPERVISORS DISTRICT NO. 1SUPERVISORS DISTRICT NO. 4

Names Approved
6-19-53. H. Heck.

49. NOTES FOR THE HYDROGRAPHER.

The following topographic stations will be of use to the hydrographer:

ABLE 1950

CARE 1950

CIST 1950

TIDE COMPUTATION

PROJECT NO. Ph. 60(49)A T-9382

Time and date of exposure 15:05 15 May 1950 Reference station PENSACOLA, FLORIDA Mean range 1.4
 Date of field inspection September 1950 Subordinate station BILOXI, BILOXI BAY Ratio of ranges 1.4

	Time		Height feet	Height x Ratio of ranges	Time	
	h.	m.			h.	m.
High tide	08	46	1.3	1.8	09	11
Low tide	19	46	-0.1	-0.1	-0	25
Duration of rise or fall	11	00		1.9	08	46

	h.	m.	Ht. H. T. or L. T. Tabular correction Stage of tide above MLW	Height feet	Height x Ratio of ranges	Time h. m.	Low tide at Ref. Sta. Time difference Corrected time at Subordinate station	Photo. No.
Time H/H L. T.	19	46						
Required time	15	05		-0.1				
Interval	4	41		0.8				
Time H. T. or L. T.				0.7				
Required time								
Interval								
Time H. T. or L. T.								
Required time								
Interval								
Time H. T. or L. T.								
Required time								
Interval								
Time H. T. or L. T.								
Required time								
Interval								

Computed by R. A. Reece Checked by R. R. Wagner

PHOTOGRAMMETRIC OFFICE REVIEW

T-9832

- 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) J.G. 7. Photo hydro stations XX 8. Bench marks J.G.
- 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 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 J.G. 23. Stereoscopic instrument contours XX 24. Contours in general J.G. 25. Spot elevations J.G. 26. Other physical features J.G.

CULTURAL FEATURES

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

BOUNDARIES

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

MISCELLANEOUS

- 33. Geographic names J.G. 34. Junctions J.G. 35. Legibility of the manuscript J.G. 36. ~~Discrepancies~~
- 37. Descriptive Report J.G. 38. Field inspection photographs J.G. 39. Forms J.G.
- 40. Jesse A. Giles William A. Rasur
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:

FIELD EDIT REPORT
Quadrangle T- 9382(MISS SOUND)
Project Ph 60(49)
I. R. Rubottom, Chief of Party

51. METHODS- This quadrangle was inspected by riding over all roads to check their classification, to check buildings, to examine questioned areas and to visually check contours. The shoreline was inspected by running close to shore with a skiff and by going ashore where necessary.

An enclosed tracing of a plat indicates a concrete monument was set, in 1930, for section corner 2, 3, 11 and 10. Three iron pipes, the easterly and westerly ones being bent, were located on the line between sections 3 and 10 from station DAVIS, 1935. In an effort to locate this section corner, after local information disclosed nothing, the position of the three iron pipes were plotted on a metal mounted sheet at a scale of 1 inch = 200 ft. and a line projected through them the necessary length to plot the distance, as shown on the plat, to the section corner. A plane table traverse, using the proper methods for this scale, was then made to the monument site; but after a two hour search by five men, probing and cutting brush, it was decided the monument had evidently been destroyed by logging operations in the area. (See item # 56)

Additions, corrections and deletions were made on the field edit sheet or cross referenced to the photographs. Red ink was used for additions and corrections and green for deletions. No legend is shown on the field edit sheet or photographs.

Field edit information is shown on one double weight matte print, used as a field edit sheet of the north $\frac{1}{2}$, one discrepancy print, one section line discrepancy print and one nine lens 1:10,000 scale photograph # 26019

52. ADEQUACY OF COMPILATION- The map compilation is near adequate and will be complete with the application of the field edit data.

53. MAP ACCURACY- No type of accuracy test was made of this quadrangle. *(Some accuracy testing was done on T-9378) EHR*

See §66

54. RECOMMENDATIONS- None offered.

55.-EXAMINATION OF PROOF COPY- No one was requested to examine a proof copy of this map.

56. BOUNDARIES, MONUMENTS AND LINES- With the location of the section line markers, described under item 51 of this report, and with the distances shown on the plat, the section lines may be added to the quadrangle. This will check well with section lines extended from quadrangle ~~T-9387~~. (See item 41, Compilation Report for T-9382) *T-9378 EHR*

Submitted,
April 2, 1954

Egan T. Jenkins
Egan T. Jenkins
Cartographer

Approved and forwarded:

Ira R. Rubottom, CDR.
Chief of Party

Ira R. Rubottom

Item 55:

The name and address of a competent local resident should have been obtained who would agree to examine a proof copy of the map.

over

Review Report
Topographic Map T-9382
15 November 1955

62. Comparison with Registered Topographic Surveys:

T-323	1:20,000	1851
T-324	1:10,000	"
T-384	"	1852
T-3701	1:40,000	1916-17
T-5274	1:10,000	1943-47

Shoreline has eroded considerably since these surveys with changes as great as 150 meters since 1851. There are also some changes in marsh and culture. For the area it encompasses, T-9382 is to supersede these surveys for nautical charting purposes.

63. Comparison with Maps of Other Agencies:

Biloxi, Miss. (C. of E.) (Advance Sheet) 1:62,500 1942

Shoreline is considerably different than that mapped on T-9382. The Harrison County-Jackson County boundary is in error on this C. of E. map, based on reliable data submitted in conjunction with T-9382.

64. Comparison with Contemporary Hydrographic Surveys:

None.

65. Comparison with Nautical Charts:

875 1:40,000, corrected to 8/22/55

Slight differences in shoreline, marsh limits, and roads exist which do not warrant immediate application.

66. Adequacy of Results and Future Surveys:

This map complies with National Standards of Map Accuracy and Bureau requirements.

Reviewed by:


Everett H. Ramey

APPROVED:

LaRonde

Chief, Review Section
Photogrammetry Division

Max Skelton

Chief, Nautical Chart Branch
Charts Division

at J. Bull

Chief, Photogrammetry Division

MSY

J. D. Russell

Chief, Coastal Surveys Division

876 Inspected. all tops falls east of # 876. 11/28/56 H. H. H.