9377

N&S

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-9377

LOCALITY

State Mississippi

General locality Mississippi Sound

Locality Biloxi

194 50-54

CHIEF OF PARTY

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

LIBRARY & ARCHIVES

DATE May 23, 1958

8-1870-1 (1)

9377

DATA RECORD

T -9377.

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
LETTER Com. Hobbs, File 73-aa1 6 DEC 1950
" " " " 73-aa1 15 DEC 1950

Copy filed in Division of Photogrammetry (IV)

Method of Compilation (III): Graphic

Manuscript Scale (III): 1:10,000 Stereoscopic Plotting Instrument Scale (III): Inapplicable

Scale Factor (III): None

Date received in Washington Office (IV): FEB 3 1953 Date reported to Nautical Chart Branch (IV): FEB 11 1953

Applied to Chart No. Date: Date registered (IV): 30 Oct 1957

Publication Scale (IV): Publication date (IV):

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

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): KESSLER, 1943 e(?)

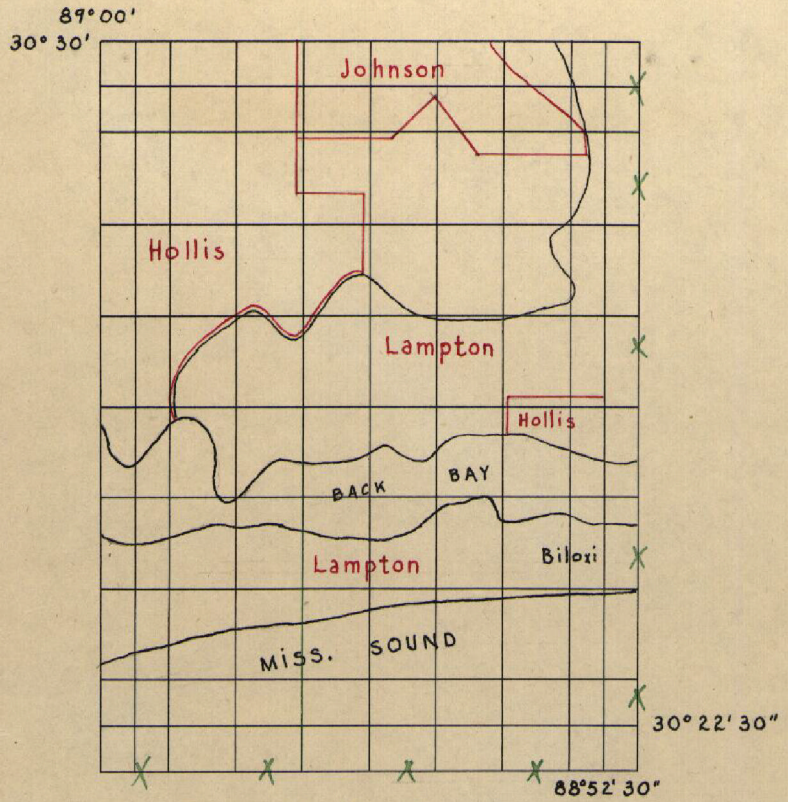
Lat.: 30° 24' 07".490 (230.6m.) Long.: 88° 55' 02".863 (76.4m.) Adjusted

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):	B. F. Lampton, Jr. S. L. Hollis, Jr. J. E. Johnson	Date:	Sep 1950 to Nov 1951
Planetable contouring by (II):	B. F. Lampton, Jr. S. L. Hollis, Jr. J. E. Johnson	Date:	Nov 1950 to Nov 1951
Completion Surveys by (II):	William H. Shearhouse	Date:	2 Sept. 1954
Mean High Water Location (III) *(State date and method of location)*:	Air Photo Compilation - Nov. 1951		
Projection and Grids ruled by (IV):	T. L. Jensen T. L. J. (W.O.)	Date:	15 Feb. 1951
Projection and Grids checked by (IV):	H. D. Wolfe H. D. W. (W.O.)	Date:	26 Feb. 1951
Control plotted by (III):	I. I. Saperstein	Date:	21 Feb. 1952
Control checked by (III):	R. J. Pate	Date:	6 March 1952
Radial Plot [illegible] (III):	M. M. Slavney	Date:	19 March 1952
Stereoscopic Instrument compilation (III):	Planimetry Inapplicable Contours	Date: Date:	
Manuscript delineated by (III):	R. Dossett	Date:	Nov. 1952
Photogrammetric Office Review by (III):	J. A. Giles	Date:	31 Dec. 1952
Elevations on Manuscript checked by [illegible] (III):	J. A. Giles	Date:	30 Dec. 1952

Camera (kind or source) (III): USC&GS Nine-lens, 8¼" focal length

PHOTOGRAPHS (III)

Number	Date	Time	Scale	Stage of Tide
25912-16, incl.	15 May 1950	1322-1325	1:10,000	1.0
25926-30, incl.	" " "	1329-1341	"	1.0
26113-17, incl.	16 " "	0918-0921	"	1.0
26130-33, incl.	" " "	0933-0935	"	1.0
26097-	"			
26100, incl.	" " "	0902-0904	"	1.0

AIR FORCE PHOTOS

*1-3 INCL NOV 1953 1:10,000

*NUMBERS ASSIGNED BY WASH. OFFICE. NO OTHER INFORMATION IS AVAILABLE

Tide (III)

FROM TABLE OF PREDICTED TIDES

DIURNAL

Ratio of Ranges	Mean Range	~~Spring~~ Range
1.4	0.0	1.8

Reference Station: PENSACOLA

Subordinate Station: BILOXI, BILOXI BAY

Subordinate Station:

Washington Office Review by (IV): A.K. Hengood Date: 21 MAY 1957

Final Drafting by (IV): Date:

Drafting verified for reproduction by (IV): Date:

Proof Edit by (IV): Date:

Land Area (Sq. Statute Miles) (III): 53

Shoreline (More than 200 meters to opposite shore) (III): 67

Shoreline (Less than 200 meters to opposite shore) (III): 42

Control Leveling - Miles (II): 43.0

Number of Triangulation Stations searched for (II): 80 Recovered: 52 Identified: 51

Number of BMs searched for (II): 27 Recovered: 22 Identified: 21

Number of Recoverable Photo Stations established (III): 49

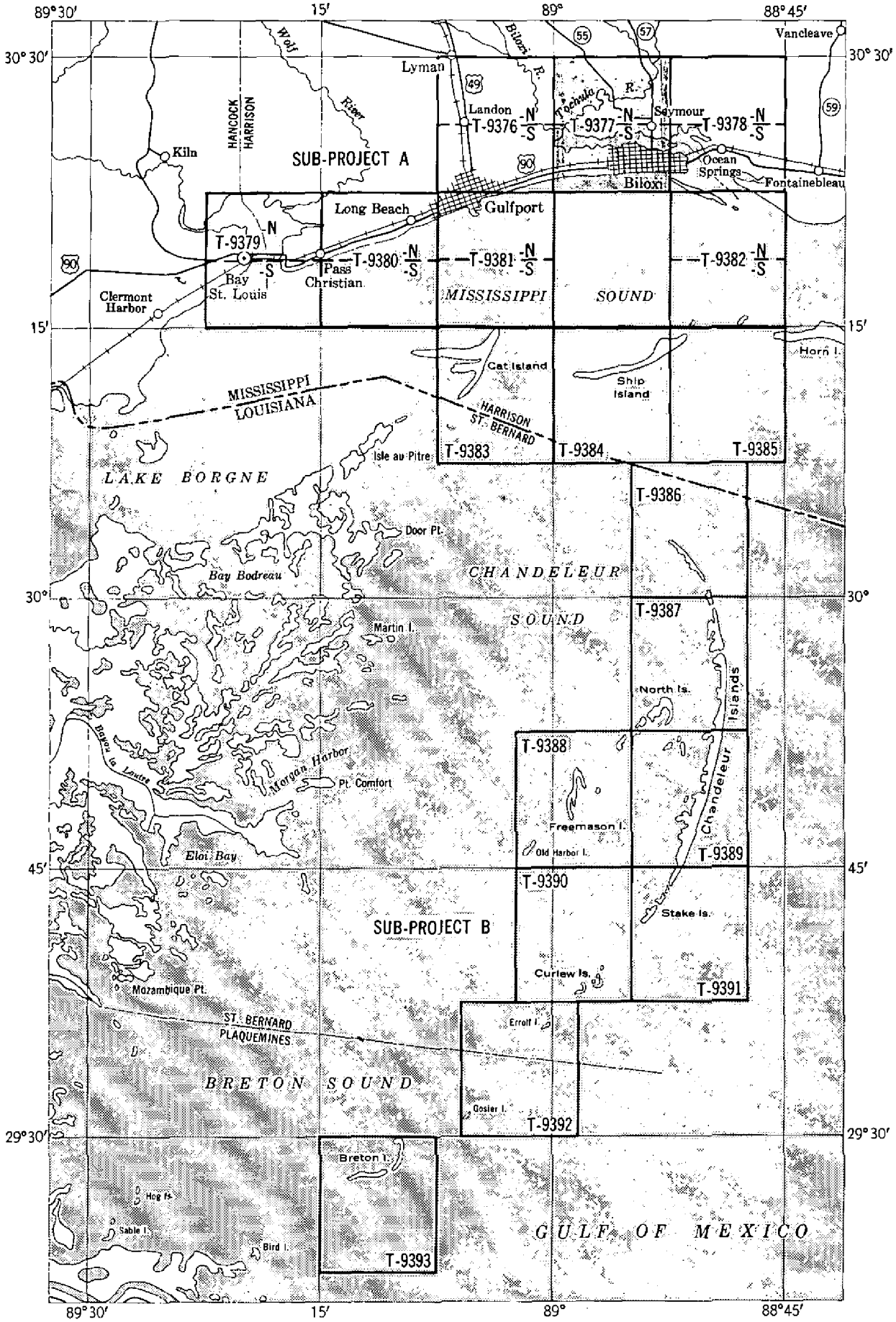
Number of Temporary Photo Hydro Stations established (III): 0

Remarks:

Number of triangulation stations established: 4

TOPOGRAPHIC MAPPING PROJECT ~~PH-60-(49)~~ 94100

SUB-PROJECT A: Mississippi Sound, Ocean Springs to Bay St. Louis, MISS. Scale 1:10,000
SUB-PROJECT B: Chandeleur Sound - Breton Sound, Cat I., Chandeleur Is. and Breton I. MISS.-LA. Scale 1:20,000



SUMMARY TO ACCOMPANY TOPOGRAPHIC MAP

This topographic map is one of seven similar maps of Part A of Project Ph ~~24100.~~ -60 Part A covers the land area adjacent to Mississippi Sound From Ocean Springs west to Bay St. Louis.

Project PH ~~24100~~ 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.

The compilation was at a scale of 1:10,000 using nine-lens photographs taken in 1950. All manuscripts were field edited. With the addition of Hydrographic data, these maps will be forwarded to the Geological Survey for publication as standard 7½ minute topographic maps.

Items registered under each map number will include a descriptive report, one cronar positive of the map manuscript.

2. AREAL FIELD INSPECTION

The southern portion of the quadrangle borders Mississippi Sound. In the southeast corner is a sand spit at the tip of Deer Island. North of Mississippi Sound is a peninsula running east and west across the quadrangle. The City of Biloxi is at the east end of the peninsula, Keesler Air Force Base is at the west side of Biloxi, and the Veterans Administration Center is to the west of Keesler Air Force Base. The peninsula consists of a series of sand ridges and swamps running the entire length. The area is heavily wooded with mixed soft and hard wood, except where it has been cleared. North of the peninsula is the Back Bay of Biloxi. There are some marsh islands in the bay and scattered marsh along both shores. North of the bay, the Tchouticabouffa River runs from NE to SW and divides the land area. Between the bay and the river the land rises to a central ridge. The vegetation varies from open pasture with scattered pines to dense swamps in valleys. There is some cultivation of pecans in this area. The Tchouticabouffa River flows through marsh land near its mouth. Further up the river, the shore is either sandy, heavily wooded swamp, or steep banks or bluffs, with some sand bars in the upper portion. North of the river, there is a low plain for some distance after which the land rises quickly and becomes quite rolling. There are some heavy swamps draining this area. The vegetation on the hills is pine, varying from scattered to heavy. In the swamps there is mixed hardwood. There are some pecan groves.

The pine land is all second growth. "Tree Farming" is practiced, with selective cutting of trees to assure a permanent supply.

On the photographs, pines are distinguishable from hardwood by a somewhat rounder appearance, also by the fact that for the most part, pines appear more scattered than hardwood. Pines do not photograph very dark and the shadow is usually much more distinct than the tree itself.

Dense hardwood along the Tchouticabouffa River and its tributaries in the northeast part of the quadrangle indicate swamp. Dense hardwood areas arranged in a drainage pattern are also swamp.

Pecan groves may usually be distinguished by the regular arrangement of the trees, although the trees have grown so dense in some of the older groves that this is not always apparent. There are a very few tung groves. Tung trees appear smaller than all but the youngest pecans.

There is very little farming. The few fields appear quite open.

Biloxi is considered to be the oldest town in this part of the United States, having been established in 1699, although the site of the town has moved. Beauvoir is of considerable historical interest as the home of Jefferson Davis. It is maintained as a tourist attraction and is well known. The Church of the Redeemer in Biloxi is also of historical interest.

Considerable changes are occurring in the quadrangle and the following items should receive special attention by the field editor:

a. The newly built sand beach on the Mississippi Sound shore should be checked for possible changes and the construction of new piers and the extension of old ones.

b. Popp's Ferry Bridge across the Back Bay of Biloxi near the western edge of the quadrangle was complete at the end of field inspection except for the draw span. This has been indefinitely delayed because of the steel shortage. The field editor should inspect the status of the bridge and measure clearances if complete. The construction of the new road leading to the north side of the bridge should also be investigated.

c. The portion of U. S. Highway 90 west of Beauvoir is being widened to four lanes for the remainder of the quadrangle. This will probably be complete at time of field edit.

d. Two new roads are being built in the northeast part of the quadrangle and State Highways 55 and 57 will probably be rerouted.

e. A submerged gas line is being laid across Back Bay approximately 300 yards east of the Iberville Bridge.

f. Keesler Air Force Base has a large construction program. Plans have been obtained for all of the present work but the field editor should investigate possible new work.

g. There is considerable residential construction in the area immediately west of Keesler Air Force Base. The status as of the end of field inspection has been shown on the field photographs. The field editor should investigate later new construction.

h. A new golf course is under construction on the south side of the Tchouticabouffa River, near the mouth.

The photographs were clear and of excellent scale.

The field inspection is believed to be complete.

Field work was done on photographs 25912 through 25916, 25926 through 25930, 26099, 26113 through 26116, and 26130 through 26133.

3. HORIZONTAL CONTROL

Establishment of supplemental control for compilation was not necessary because of recovery and identification of sufficient existing control. Location of fixed aids to navigation resulted in four new third-order triangulation stations. They are:

BILOXI CHANNEL LIGHT 2 1951
" " " 4 "
" " " 6 "DESTROYED, NEW POSITION IN 1954
" " " 8 "

The last three have been identified on the photographs. Light 2 can probably be easily identified on an untrimmed photograph.

The following U. S. Engineer horizontal control stations were recovered and identified on the photographs: BUSH 1939, IBERVILLE 1940, 0, 0-1, 2, 2-1, 4, 5, 6, 6-1, 7, 10, 11, 12, 13, all 1939; 15-14, 15-17, 15-18, 15-19, 15-20, 15-20A, 15-21, 15-22, 15-25, all 1940; B 72, B 75, B 77, B 82, all 1942.

The order of accuracy of these stations is not known but is believed to be third.

The following U.S.C.& G.S. horizontal control stations have been reported as lost on Form 526: 1910 stations, BILOXI HARBOR LIGHTS A, B, C, D; BARN; BILOXI BAY ROAD BRIDGE; CENTER OF TURNTABLE, LIGHT; BILOXI OLD MUNICIPAL WATER TANK; BILOXI WATER TOWER; FERTILIZER FACTORY CUPOLA; PLANING MILL STACK; SAWMILL STACK; SMALL LEANING STACK; STACK IN OPERATION; STACK NEAR WATER TOWER; and 1935 stations BILOXI CHANNEL BEACONS 2, 4, 6, 8; BILOXI AIRWAY BEACON; BUNGALOW; OIL DERRICK.

At station BUNGALOW 1935, Reference Mark No. 2 was identified. New construction has blocked visibility at station BILOXI 1930, and heavy trees prevent an astronomic azimuth. Reference Mark No. 1 was identified.

4. VERTICAL CONTROL

The following U.S.C.& G.S. bench marks were recovered and identified on the photographs: FirstOrder, BACK BAY; BILOXI; R.M.1 BILOXI; KEESLER A; P.B.M. HYGEIA(M.R.C.); P.B.M. BILOXI(M.R.C.); D 3; V 17; W 17; A 81; B 121; D 121; A 169; B 169. Second Order, MARKET; B 81 RESET RESET; D 145; E 145; F 145; J 145; K 145 RESET.

Fourth order levels were run to establish supplemental elevations to control planetable contouring. All closures were satisfactory.

Level points are designated 77-01 through 77-66.

5. CONTOURS AND DRAINAGE

Contouring was done by standard planetable methods directly on the photographs, except for the following exceptions; the City of Biloxi has established bench marks at all manholes in the city sewage system. These elevations were transferred to the photographs and in most areas there were sufficient elevations to control contours without additional spot elevations. Accuracy tests were run on several of the bench marks and they were found to be satisfactory.

Grading and drainage plans are furnished for the Triangular Area, new construction in Keesler Air Force Base. Finish contours shown on these plans should be shown on the map manuscript.

An unusual feature of the drainage in the quadrangle is that most of the drainage tributary to the larger bodies of water is swamp rather than creeks. Going upstream, a creek changes from a rather wide stream clearly visible on the photographs to a swamp with no definite stream bed in a very short distance. In occasional spots, the trees are missing from such drains, either naturally or because of cleared lines. In such places the drainage should be shown as marsh.

6. WOODLAND COVER

The vegetation in the quadrangle is described under Item 2. Sufficient information has been given on the field photographs for correct delineation of woodland cover.

7. SHORELINE AND ALONGSHORE FEATURES

The mean high water line in all unchanged portions of the quadrangle was located by visual inspection and indicated on the photographs. From Biloxi Lighthouse to the west, a new sand beach has been made by hydraulic fill. The new shoreline was located by planetable methods on the photographs.

The Mississippi Sound and Back Bay shores were inspected at mean low water and the low water line indicated on the photographs. In most cases, ground that is above MLW is visible on the photographs as a lighter shade than deep water. Along the new beach the low water line was located by planetable methods. In one section the new spoil has not settled sufficiently to support a rodman and it was impractical to locate the low water line accurately. An approximate low water line has been shown in this section.

The foreshore is sand in the Mississippi Sound and mud in Back Bay.

There are no bluffs or cliffs except along the Tchouticabouffa River. These have been indicated by contours.

Piers, wharves and other shoreline features have been identified on the photographs. A few new piers have been located by planetable.

The construction of the new beach made no change in the piers in the area. All are still in existence although many no longer reach the water. It is probable that some of these will be extended in the future.

8. OFFSHORE FEATURES

There are a number of pilings, stakes, and wrecks in the Mississippi Sound and in Back Bay. All features not visible on the photographs were located by planetable. Heights above MSL were determined by planetable and reduced to MHW.

Most of the offshore features in the Mississippi Sound are in very shallow water and do not constitute hazards to navigation.

9. LANDMARKS AND AIDS

Landmarks for charts and fixed aids to navigation have been reported on Form 567. All landmarks not previously located by triangulation are to be located by radial plot with the exception of LOCK 1951 which is located by theodolite cuts.

There are two aeronautical aids, Keesler Radio Range and Keesler Air Force Base Beacon. Photo points were identified to locate the radio range, and a list of directions is being furnished with distances and directions to the individual masts. The radio range has been moved since photography. The beacon is on top and in the center of BILOXI, KEESLER FIELD, BLOCK 19, TANK 1943, and has the same geographic position.

All fixed aids to navigation are located by triangulation. The following third-order stations were located during field work on this quadrangle:

BILOXI CHANNEL LIGHT 2 1951
" " " 4 "
" " " 6 " DESTROYED, NEW POSITION IN 1954
" " " 8 "

Daybeacons in existence at the time field work was started have been replaced by buoys.

10. BOUNDARIES, MONUMENTS AND LINES

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

Most of the boundaries described in the report have been indicated on the photographs. In the case of the Keesler Air Force Base boundary, the description is very complicated and it is believed that it can be delineated more accurately directly on the map manuscript. The boundary

fence has been indicated at intervals on the photographs to aid in the delineation. In the section taken over from Oak Park subdivision, the description is insufficient for delineation of the boundary. One of the supplemental maps furnished, the "Officers Residential Development", is believed to show this boundary accurately.

The following section corners were recovered and identified on the photographs: In T6S R9W, the NW corners of Sections 27, 28, 29, 32; In T7S R9W, the NW corners of Sections 4, 9, 16, 17, and the NE corner of Section 21; In T6S R10W, the NW corners of Sections 25, 26, 30, 31, 33, 34, 35, 36; In T7S R10W, the NW corners of Sections 2, 6, 11, 13, 18, 19, 23, 24, 25, 30, 34, 35, 36, and the SE corner of Section 15. One monument was recovered on the Harrison-Jackson County line.

It is believed that none of the section corners recovered are original corners.

In areas where the control of land lines is not sufficient, notes have been made on the photographs to assist in the delineation of land lines. In this connection, the Tax Assessors Atlas of Harrison County in the Harrison County Count House, Gulfport, Miss., was of great assistance, and may be helpful to the field editor in case there is any question about land lines. This contains large scale maps of each section of the county and quite often gives measurements from section lines to points of identifiable detail.

11. OTHER CONTROL

The following recoverable topographic stations were established: ABET, ANON, BABE, BEAT, BRIK, BROD, MEAN, OBOE, POLE, POPS, RACK, TATE, and TOWN. All except TOWN are to be located by radial plot. TOWN is located by theodolite three point fix, for which a list of directions is furnished.

12. OTHER INTERIOR FEATURES

Clearances of bridges and cables over navigable waters have been measured and indicated on the photographs. Immediately below the fixed bridge over the Tchouticafouffa River there is a transmission line crossing. Since the clearance is much greater than the clearance of the fixed bridge, the clearance of the transmission line was not measured.

Keesler Air Force Base contains the only airport in the quadrangle.

Much new construction had to be added to the photographs. Single buildings have been added from identifiable detail. More extensive construction was added by planetable, especially the new streets and residences to the west of Keesler Air Force Base.

There is extensive construction work inside Keesler Air Force Base. Plans of all the new construction are submitted and may be used for delineation. Work has progressed so that all buildings may be shown. In the larger projects all buildings visible on the photographs within the area should be deleted and the streets should agree with the plans. In the smaller projects, the buildings to be deleted are indicated on the plans.

Sufficient streets, fence lines, etc., have been indicated on the photographs and plans to provide control for the plans.

It is believed that the "Officers Residential Development" should be included in the urban area. The base fence has been moved so that this development falls outside the base proper. (This does not change the boundary, however.)

The security officer of Keesler Air Force Base has requested that no building usage inside the base be shown on the map. See Ltr

The following items should be mentioned:

a. Numerous logging roads are visible on the photographs. These are temporary in nature and most have not been in use for some time. They have been deleted on the photographs.

b. In the northern portion of the quadrangle a number of fire breaks are visible, appearing similar to roads. These are plowed lines and are not of enough importance to be shown.

c. There are several nurseries which have large growing frames. These appear as large buildings under the stereoscope. They are very unsubstantial and should not be shown.

d. There are a few artificial ponds created by building earth dams in drains.

13. GEOGRAPHIC NAMES Onfile ESYLA

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

One geographic name, "Seashore Methodist Assembly", has been added since the report. The name is verified by the supervisor of the assembly.

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 Washington Office 24 May 1951.

Letter of Transmittal 60-16, Geographic Positions, forwarded to Tampa Photogrammetric Office 1 June 1951.

Letter of Transmittal 60-17, Data, Fixed Aids to Navigation, forwarded to the Washington Office 4 June 1951.

Letter of Transmittal 60-18, Data, Location of Fixed Aids to Navigation, forwarded to Washington Office, Division of Geodesy, 15 June 1951.

Mississippi State Plane Coordinates, East Zone, Transverse Mercator, U. S. Engineer Traverse, Henderson Point to Biloxi, forwarded with letter of transmittal 60-24.

Forms 24a forwarded with letter of transmittal 60-27.

Letter of Transmittal 60-13, Form 567, Landmarks for Charts and Nonfloating Aids to Navigation, forwarded to Washington Office 22 October 1951.

Letter of Transmittal 60-25, Form 567, Landmarks for Charts and Nonfloating Aids to Navigation, forwarded to Tampa Photogrammetric Office 22 October 1951.

8 sheets, new construction work in Keesler Air Force Base:
Plot Plan for Academic Buildings.
Academic Area, Grading and Drainage.
Military Housing, Keesler Field.
Grading and Drainage, Barracks Area(2 copies).
Officers Residential Development.
NE-SW Apron Extension.
Grading Plan, Triangular Area.

Letter of Transmittal 60-27, Data, Quadrangle T-9377( ) forwarded to the Washington Office 21 January 1952.

Submitted
9 January 1952

B. Frank Lampton, Jr.

B. Frank Lampton, Jr.
Cartographic Survey Aid

Approved & Forwarded
10 Jan 1952

Percy L. Bernstein

Percy L. Bernstein
Chief of Party

LIST OF BRIDGES OVER THE NAVIGABLE WATERS OF THE UNITED STATES
1 JULY 1941 EDITION AND SUPPLEMENT

Page	Location	Use	Type	Spans	Horizontal Clearance Left	Center	Right	Vertical Cl. Above MHW
	BILOXI, BACK BAY OF							
38	Biloxi, Mississippi	Highway	Swing	6	80*	-	80*	10.17*
					87.1	-	79.0	13.6
	BILOXI, BACK BAY OF							
38	Biloxi, Mississippi**	Highway	Swing	2				
"A"	TCHOUTACABOUFFA RIVER							
458	Vinnie, Mississippi	Highway	Swing	5	60.2*	-	68.5*	2.0*
					65.9	-	65.9	~~10.4~~ 9.2
	TCHOUTACABOUFFA RIVER							
458	Vinnie, Mississippi	Highway	Swing	1	71.8*	-	72.0*	5.5*
					71.8	-	Closed	15.0
	TCHOUTACABOUFFA RIVER							
-	Vinnie, Mississippi***	Highway	Fixed	3	-	82.3	-	40.7

* Measurements listed in 1 July 1941 Edition of Bridge Book.
** Bridge removed.
*** New bridge.

THE DIFFERENCES BETWEEN THE BRIDGE BOOK DATA AND OUR FEILD INSPECTION DATA IN VERTICAL CLEARANCES IS DIFFICULT TO RESOLVE. THE DATUM IS DIFFERENT FOR ONE THING H.W. AGAINST M.H.W. YET THE BRIDGE BOOK LISTS IN BRIDGE "A" (SEE ABOVE LIST) 10' CLEAR @ MLW & ONLY 2' CLEAR @ HW. THE RANGE OF TIDE IS LESS THAN 2'. THEREFORE THE DIFF. BETWEEN THE TWO STAGES OF TIDE SEEMS UNREASONABLE.
AKF 9/

COMPILATION REPORT T-9377

PHOTOGRAMMETRIC PLOT REPORT.

This report was submitted with Quadrangle T-9379.

31. DELINEATION.

The graphic method was used. The photographs were of reasonably good scale.

32. CONTROL.

Sufficient primary and secondary control was established and placement was such that no difficulty was encountered in securing the additional control necessary for delineation.

33. SUPPLEMENTAL DATA.

The plans for streets and building areas of Keesler Air Force Base, submitted by the field inspector, were used for verification, reference and establishment of newly constructed areas.

34. CONTOURS AND DRAINAGE.

The drainage was delineated as shown on the photographs. The contouring in most instances appears to have been excellently expressed. Some difficulty was encountered, however, with the contouring along the Louisville and Nashville Railroad where the contours were dropped too abruptly.

35. SHORELINE AND ALONGSHORE DETAILS.

The shoreline inspection was adequate. The M.H.W.L. along Mississippi Sound from Longitude 88° 54' westward was delineated according to the planetable survey as shown on field photographs 25927, 25928 and 25929.

36. OFFSHORE DETAILS.

None.

37. LANDMARKS AND AIDS.

All landmarks and aids submitted by the field inspection party have been applied to the manuscript.

38. CONTROL FOR FUTURE SURVEYS.

Thirteen (13) topographic stations are being submitted on Form 524. These topographic stations have been listed and included under Item 49.

39. JUNCTIONS.

A satisfactory junction has been secured with T-9376 on the west and T-9378 on the east. There is no contemporaneous survey to the north. Mississippi Sound is the southern boundary.

40. HORIZONTAL AND VERTICAL ACCURACY.

No statement required.

41. PUBLIC LAND LINES.

THE FIELD INSPECTOR, FRANK LAWTON, SAYS THE BRASS PLATES WERE NOT SET BY THE LAND OFFICE. THEY ARE PLATES RECENTLY SET BY THE VARIOUS LUMBER COMPANIES FOR THEIR OWN USE

All section corners marked with a brass plate have been shown as a true corner. This is in disagreement with the field inspector's statement under Item 10.

O.K AKH

46. COMPARISON WITH EXISTING MAPS.

Comparison has been made with USC&GS Planimetric Maps CS-366( ) and CS-367( ), scale 1:20,000, and Planimetric Map T-5274(1947). The shoreline and topographic features are generally the same except for the new beach area along the Mississippi Sound. Some changes of shoreline constructions such as piers and wharfs were noted.

47. COMPARISON WITH NAUTICAL CHARTS.

Comparison was made with Nautical Chart No. 1267, scale 1:40,000, published January 1949, and bearing a print date of September 25, 1950. It appears that the maps listed under Paragraph 46 are the chief source of topography and the same differences exist as mentioned above.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS.

None.

ITEMS TO BE CARRIED FORWARD.

None.

Rudolph Dossett

Rudolph Dossett, Carto.Photo.Aid

APPROVED AND FORWARDED:

J. E. Waugh

J. E. Waugh, Chief of Party

48. GEOGRAPHIC NAME LIST

AUGUSTE BAYOU
AVERY POINT

BACK BAY OF BILOXI
BAYOU LA PORTE
BEAUVOIR — historical site and small settlement (1958 R. indicates only shows 50 pop.)
BIG LAKE
BILOXI
BILOXI RIVER
BIGLIN BAYOU
BIG ISLAND
BRASHER BAYOU
BURNT BRIDGE

CAMP WILKES (Boy scouts)
CEDAR LAKE
CEDAR POINT
CHURCH OF THE REDEEMER
COLEY ISLAND
CRANES NECK
CYPRESS CREEK

DAMPHMAN POINT
DEER ISLAND
DEEP POINT
DEVILS ELBOW
D'IBERVILLE
DESOTO NATIONAL FOREST

EDGEWATER GULF GOLF COURSE
EDGEWATER PARK

GOAT ISLAND
GOOSE POINT

HARRISON COUNTY
HOWARD CREEK

I'BERVILLE BRIDGE (Iberville)

JACKSON COUNTY

Beauvoir Cemetery

BIG RIDGE JESUS NAME CHURCH
BIG RIDGE CHURCH

Central High School

Costapia Bayou

FREE CHURCH OF JESUS

48. GEOGRAPHIC NAME LIST. (CONTINUED)

KEESLER AIR FORCE BASE
KEEGAN BAYOU

LITTLE BIG LAKE
LITTLE ISLAND
LONG POINT
LOUISVILLE & NASHVILLE RAILROAD

MAGNOLIA BEND
MARSH ISLAND
MISSISSIPPI
MISSISSIPPI 55
MISSISSIPPI 57
MISSISSIPPI SOUND
MULLET LAKE

O'NEAL POINT

PARKER CREEK
PARKHURST POINT
POPPS ~~POPS~~ FERRY BRIDGE

RAVINE CANNE
RHODES POINT

SEASHORE CAMP GROUNDS
SHIPYARD POINT
ST. MARTIN
ST. MARTIN BAYOU
ST. MARTIN SCHOOL

TCHOUTACABOUFFA RIVER
TUXACHANIE CREEK

U. S. 90

VETERANS ADMINISTRATION CENTER

WOOL MARKET CHURCH
Wool Market School

Names approved
5-29-53
L. Heck

48. GEOGRAPHIC NAME LIST. (CONTINUED)

LAND GRANTS.

JOSEPH MATHURIN
JOSEPH LADNER
DOMINGUE LADNER
JOHN B LADNER
LOUIS A CAILLAVETT
FRANCOIS DUPEYTON PEYTAVIN
LOUIS TASIER

49. NOTES FOR THE HYDROGRAPHER.

Following is a list of recoverable topographic stations:

BRIK, 1950
BEAT, 1950
MEAN, 1951
ANON, 1950
ABET, 1950
TATE, 1951
BABE, 1950
RACK, 1951
POLE, 1951
OBOE, 1951
POPS, 1951
TOWN, 1951
BROD, 1950
LOCK, 1951
FLAG, 1950

41. REMARKS.

Biloxi Channel Daybeacons 18, 20, 22, 24, 26, 28, 30, 32 and 34 have not been shown on the map manuscript as they have been destroyed and replaced by channel buoys. See Notice to Mariners 14, dated 7 April 1951, page 644 (1925) MISSISSIPPI - MISSISSIPPI SOUND - Biloxi Channel.

Form T-2

50.

PHOTOGRAMMETRIC OFFICE REVIEW

T-9377

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 J.G. 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 J.G. 16. Aids to navigation J.G. 17. Landmarks J.G. 18. Other alongshore physical features J.G. 19. Other alongshore 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 J.G. 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. Discrepancy overlay J.G. 37. Descriptive Report J.G. 38. Field inspection photographs J.G. 39. Forms J.G.
40. Jesse A. Giles *Jesse A Giles* (Reviewer) — William A. Rasure *William A Rasure* (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:

M-2623-12

Form 567
April 1945

PHOTOGRAMMETRIC REVIEW BRANCH

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

AERONAUTICAL NONFLOATING AIDS OR LANDMARKS FOR CHARTS

TO BE CHARTED / ~~TO BE DELETED~~ } STRIKE OUT ONE

Tampa Photogrammetric Office, Tampa, Fla. 17 November, 1954

I recommend that the following objects which have ~~been~~ been inspected from seaward to determine their value as landmarks be charted on ~~(deleted from)~~ the charts indicated.

The positions given have been checked after listing by Rudolph Dossett

Ira R. Rybottom *Chief of Party.*

STATE MISSISSIPPI

CHARTING NAME	DESCRIPTION	SIGNAL NAME	POSITION LATITUDE* ° ′	″ D.M. METERS	LONGITUDE* ° ′	″ D.P. METERS	DATUM	METHOD OF LOCATION AND SURVEY No.	DATE OF LOCATION	HARBOR CHART	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTED
CONTROL TOWER	At Keesler Air Force Base		30 24	26.21 807	88 55	23.86 637	N.A. 1927	Photo Plot I-9377	1954				Sectional New Orleans

This form shall be prepared in accordance with Hydrographic Manual, pages 800 to 804. Positions of charted landmarks and *nonfloating aids* to navigation, if redetermined, shall be reported on this form. The data should be considered for the charts of the area and not by individual field

Form 567
April 1945

PHOTOGRAMMETRIC REVIEW SECTION

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

AERONAUTICAL NONFLOATING AIDS OR LANDMARKS FOR CHARTS

TO BE CHARTED / TO BE DELETED — STRIKE OUT ONE

Tampa Photogrammetric Office, Tampa, Fla. 21 November 1952

I recommend that the following objects which have (~~been~~) been inspected from seaward to determine their value as landmarks be charted on (~~deleted from~~) the charts indicated.

The positions given have been checked after listing by Rudolph Dorsett

J. E. Traugh
Chief of Party.

STATE: MISSISSIPPI

CHARTING NAME	DESCRIPTION	SIGNAL NAME	POSITION LATITUDE * ° ′	LATITUDE * ″ D.M. METERS	LONGITUDE * ° ′	LONGITUDE * ″ D.P. METERS	DATUM	METHOD OF LOCATION AND SURVEY No.	DATE OF LOCATION	HARBOR CHART	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTED
KEESLER AFB RADIO RANGE MAST (CENTER)			30 27	7.70 237	88 53	26.24 700	N.A. 1927	Radial Plot	Nov. 1951				WAC 466 NEW ORLEAN
KEESLER AFB BEACON (BILOXI KEESLER FIELD, BLOCK 19, TANK, 1943)			30 24	26.722 822.9	88 55	00.511 13.6	"	Tri.	1943				"

This form shall be prepared in accordance with Hydrographic Manual, pages 800 to 804. Positions of charted landmarks and *nonfloating aids* to navigation, if redetermined, shall be reported on this form. The data should be considered for the charts of the area and not by

Form 567
April 1945

PHOTOGRAMMETRIC REVIEW SECTION

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

NONFLOATING AIDS ~~OR LANDMARKS~~ FOR CHARTS

TO BE CHARTED
~~TO BE DELETED~~ } STRIKE OUT ONE

Tampa Photogrammetric Office, Tampa, Fla. 21 Nov., 19 52

I recommend that the following objects which have ~~(have not)~~ been inspected from seaward to determine their value as landmarks be charted on ~~(deleted from)~~ the charts indicated.

The positions given have been checked after listing by Rudolph Dossett
Rudolph Dossett

J. E. Waugh
Chief of Party.

STATE MISSISSIPPI

CHARTING NAME	DESCRIPTION	SIGNAL NAME	POSITION LATITUDE* ° ′	POSITION LATITUDE* ″ D.M. METERS	POSITION LONGITUDE* ° ′	POSITION LONGITUDE* ″ D.P. METERS	DATUM	METHOD OF LOCATION AND SURVEY No.	DATE OF LOCATION	HARBOR CHART	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTED
BILOXI	LIGHT (BILOXI LIGHTHOUSE 1855)		30 23	39.189 1206.7	88 54	04.216 112.5	N.A. 1927	Tri.	1855		x		876 1267
BILOXI	CHANNEL LIGHT 2, 1951		30 21	39.10 1204	88 54	07.68 205	"	"	1951		x		"
BILOXI	CHANNEL LIGHT 4, 1951		30 22	28.44 876	88 54	06.25 167	"	"	"		x		"
* BILOXI	CHANNEL LIGHT 6, 1951		~~30 23~~	~~03.84~~ ~~118~~	~~88 54~~	~~05.33~~ ~~142~~	"	"	"		x		"
BILOXI	CHANNEL LIGHT 8, 1951		30 23	11.58 357	88 54	03.52 94	"	"	"		x		"
BILOXI	CHANNEL LIGHT 10, 1935		30 23	19.196 591.1	88 53	57.105 1524.5	"	"	1935		x		"
BILOXI	CHANNEL LIGHT 16, 1935		30 23	23.381 720.0	88 52	58.42 1559.7	"	"	"		x		"

* DESTROYED, NEW POSITION IN 1954 SSS SEPARATE SHEET FORM 567

This form shall be prepared in accordance with Hydrographic Manual, pages 800 to 804. Positions of charted landmarks and *nonfloating aids* to navigation, if redetermined, shall be reported on this form. The data should be considered for the charts of the area and not by individual field survey sheets. Information under each column heading should be given.

* TABULATE SECONDS AND METERS

M-2836-3

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Form 567
April 1945

PHOTOGRAMMETRIC REVIEW BRANCH

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

NONFLOATING AIDS ~~OR LANDMARKS~~ FOR CHARTS

TO BE CHARTED / ~~TO BE DISCONTINUED~~ } STRIKE OUT ONE

Tampa Photogrammetric Office, Tampa, Fla. 17 November, 1954

I recommend that the following objects which have ~~(have not)~~ been inspected from seaward to determine their value as landmarks be charted on ~~(discontinued from)~~ the charts indicated.

The positions given have been checked after listing by Rudolph Bossett

Ira R. Bubottom *Chief of Party.*

STATE MISSISSIPPI

CHARTING NAME	DESCRIPTION	SIGNAL NAME	POSITION LATITUDE * ° ′	LATITUDE * ″ D.M. METERS	LONGITUDE * ° ′	LONGITUDE * ″ D.P. METERS	DATUM	METHOD OF LOCATION AND SURVEY No.	DATE OF LOCATION	HARBOR CHART	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTED
LIGHT 6	Biloxi Channel		30 22	58.32 1796	88 54	05.32 142	N.A. 1927	Plane-table T-9377	1954	x	x		876,1267

This form shall be prepared in accordance with Hydrographic Manual, pages 800 to 804. [illegible]

PHOTOGRAMMETRIC REVIEW BRANCH

Form 567
April 1945

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

NONFLOATING AIDS OR LANDMARKS FOR CHARTS

TO BE CHARTED / ~~TO BE DELETED~~ — STRIKE OUT ONE

Tampa Photogrammetric Office, Tampa, Fla. 17 November, 1954

I recommend that the following objects which have ~~(been)~~ been inspected from seaward to determine their value as landmarks be charted on ~~(deleted from)~~ the charts indicated.

The positions given have been checked after listing by Rudolph Dossett

Ira R. Rubottom *Chief of Party.*

STATE MISSISSIPPI

CHARTING NAME	DESCRIPTION	SIGNAL NAME	POSITION LATITUDE* ° ′	LATITUDE* ″ D.M. METERS	LONGITUDE* ° ′	LONGITUDE* ″ D.P. METERS	DATUM	METHOD OF LOCATION AND SURVEY No.	DATE OF LOCATION	HARBOR CHART	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTED
TANK 5	Orange and white checkered, on 8 legs. Ht = 165 (190)		30 24	0.91 28	88 55	32.65 877	N.A. 1927	Photo Plot T-9377	1954	x	x		876,1267
TANK 1	Orange and white checkered, on 8 legs. Ht = 168 (185)		30 24	32.47 1000	88 54	15.85 423	"	"	"	x	x		876,1267

This form shall be prepared in accordance with Hydrographic Manual, pages 800 to 804. Positions of charted landmarks and *nonfloating aids* to navigation, if redetermined, shall be reported on this form. The data should be considered for the charts of the area and not by individual field survey sheets. Information under each column heading should be given.

Form 567
April 1945

PHOTOGRAMMETRIC REVIEW SECTION

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

~~NONFLOATING AIDS OR~~ LANDMARKS FOR CHARTS

TO BE CHARTED
~~TO BE DELETED~~ } STRIKE OUT ONE

Tampa Photogrammetric Office, Tampa, Fla. 21 November, 19 52

I recommend that the following objects which have ~~(have not)~~ been inspected from seaward to determine their value as landmarks be charted on ~~(deleted from)~~ the charts indicated.

The positions given have been checked after listing by Rudolph Dossett

J. E. Waugh Chief of Party.

STATE: MISSISSIPPI

CHARTING NAME	DESCRIPTION	SIGNAL NAME	LATITUDE * °	'	" D.M. METERS	LONGITUDE * °	'	" D.P. METERS	DATUM	METHOD OF LOCATION AND SURVEY NO.	DATE OF LOCATION	HARBOR CHART	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTED
TANK	Steel, water. Ht.= 170 (187) (BILOXI KEESLER FIELD, BLOCK 35, TANK, 1943)		30	24	13.571 417.9	88	54	44.084 1192.8	N.A. 1927	Tri.	1943		X		~~376~~ 1267
TANK	Steel, water. Ht. = 174 (196) (BILOXI KEESLER FIELD, BLOCK 19, TANK, 1943)		30	24	26.722 822.9	88	55	00.511 13.6	"	"	"		X		"
TANK	Steel, water. Ht. = 168 (187) (BILOXI KEESLER FIELD, BLOCK 6, TANK, 1943)		30	24	39.605 1219.6	88	54	45.031 1201.9	"	"	"		X		"
TOWER	Edgewater Gulf Hotel. Ht.= 177(194) EDGEWATER GULF HOTEL DOME, FLAG-POLE, 1930)		30	23	26.498 816.0	88	59	17.416 465.0	"	"	"		X		"
TANK	Steel, Biloxi, Veterans Facility Ht. = 88 (109) (VETERANS HOME TANK, 1935)		30	24	26.606 819.3	88	56	55.300 1476.1	"	"	1935		X		"
R.TR.	WLOX. Ht.= 163 (163)		30	23	34.88 1074	88	53	36.60 977	"	Theo. Cuts	1951		X		"
TANK	Steel, water, Broadwater Beach Hotel. Ht.= 105 (123)		30	23	34.13 1051	88	57	43.15 1152	"	Radial Plot	"		X		"
F.TR.	Weather Bureau, Ht.= 76 (82) As scaled from Manuscript of T-9377, the latitude of this landmark is 960.4 m. C.L. 4/17/53		30	23	~~01.95~~ ~~60~~	88	53	07.27 194	"	"	"		X		"
TANK	Steel, water. Ht.= 126 (147) (BILOXI, BUENA VISTA HOTEL TANK, 1930)		30	23	42.168 1298.5	88	53	36.519 974.9	"	Tri.	"		X		"

This form shall be prepared in accordance with Hydrographic Manual, pages 800 to 804. Positions of charted landmarks and *nonfloating aids* to navigation, if redetermined, shall be reported on this form. The data should be considered for the charts of the area and not by individual field survey sheets. Information under each column heading should be given.

M-2836-3

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51. Methods. -- Streets were ridden out to check delineation and to verify public buildings. Outside the urban area all streets and roads were ridden to check classification, verify buildings, observe the woodland cover limits, and visually inspect contour representation. New features were added by planetable, pacing or measuring from identifiable topographic features, or noted on more recent photographs.

Mean high-water line along the Gulf of Mexico has been referenced to the seawall. A line of piling paralleling the beach and some 10 to 13 hundred feet offshore was located by planetable cuts. Shoreline delineation in the Back Bay of Biloxi was visually inspected from a skiff running near shore.

Standard planetable methods were used to contour an area of approximately one quarter square mile in Keesler Air Force Base (known as the Triangle Area) and check contours in other instances.

Field-edit information will be found on the Field Edit Sheet, which is cut and numbered as follows: Section No. 1 North, Section No. 2 North, Section No. 2A North, Section No. 3 North, Section No. 4 North, Sheet No. 1 S½ West Part, Sheet No. 1a S½ West Part, Sheet No. 2 S½ East Part, Sheet No. 2a S½ East Part; on the Discrepancy Print (north and south half); on 1:10,000 scale field photographs Nos. 25912, 25913, 25914, 25915, 25927, 25928, 25929, 25930, 26116, 26131 and 26132; and, on 1:10,000 scale Air Force ratio photographs taken in November 1953, numbered No. 1, No. 2 and No. 3. In addition, to the foregoing, a Basic Layout Plan of Keesler Air Force Base, dated 20 January 1954, is furnished.

Violet ink was used for additions and green for deletions. No legend is shown.

52. Adequacy of compilation. -- Numerous cultural and shoreline changes have occurred. Also, a number of buildings obscured by trees are to be added. With delineation of field-edit additions and corrections, the map manuscript will be adequate.

53. Map accuracy. -- No horizontal test was specified. However, "cuts" were made to buildings, etc., from planetable

setups at triangulation stations and numerous rod readings taken at piers and street intersections, which indicate the accuracy of map details to be good.

Two vertical accuracy tests were specified. One at approximate latitude 30° 27.2', longitude 88° 55.2'; the other at approximate latitude 30° 28.7', longitude 88° 59.5'. Mr. E. T. Jenkins, Cartographer, ran the tests on September 3, 7, 8 and 9. Following is a summary:

The two areas tested have been numered 1 & 2 and all elevations inked in violet were counted as test points. Elevations inked in red were for turns or checks on elevations that were not fly level points and were not used as part of the test except in conjunction with the 0.6 M.M. shift.

The two tests combined checked a total of 91 points of which only four were in error more than one-half but less than a whole contour interval. The two tests have been tabulated in duplicate and forwarded with the Descriptive Report.

A new golf course at approximate latitude 30° 26.3', longitude 88° 58.5', required delimiting and provided opportunity for further contour verification. The elevations proved the tested contours to be accurate.

In addition, contours were visually inspected along the roads and shoreline. Relief expression appears to be well portrayed.

54. Recommendations. -- None offered.

55. Examination of proof copy. -- Mr. T. T. Attebery, Civil Engineer, P. O. Box 242, Biloxi, Mississippi, has agreed to examine a proof copy of the map. Mr. Attebery is a local surveyor, is well acquainted with the area and is believed qualified to make the examination.

If further review of the KEESLER AIR FORCE BASE is required, a proof copy should be sent to the Commanding Officer, Attention Air Installations Office.

No discrepancies in charted geographic names were noted.

56. Boundary, DeSoto National Forest. -- According to the District Ranger's Office at Gulfport, Mississippi, the boundary as delineated is correct. The area was set aside by Presidential Proclamation to comprise a National Forest, although all the land has never been acquired to the proclaimed limits and the Forest Headquarters concern themselves

mainly with the part actually acquired. With rare exception, signs marking entrances and exits to the Forest are placed at the acquired land lines and not at the proclaimed boundaries.

A map of the DeSoto National Forest, furnished by the District Ranger's Office, showing up-to-date land acquisition is submitted with the field-edit data. It is substantially the same as the one submitted by the Field Inspection Party in the SPECIAL REPORT, BOUNDARIES, PROJECT PH-60(49) MISSISSIPPI, under the date 31 August 1951.

2 Sept. 1954

Respectfully submitted,

William H. Shearouse

William H. Shearouse
Cartographer

APPROVED AND FORWARDED

Ira R. Rubottom

Ira R. Rubottom, Chief of Party

REVIEW REPORT T-9377
TOPOGRAPHIC MAP
17 JUNE 1957

61. General Statement

See summary report.

62. Comparison with Registered Topographic Surveys

T-5274	1:20,000	1947
CS 367	1:20,000	1947

Considerable change in culture was noted due to new suburban development and the expansion of facilities at Keesler Air Force Base.

T-9377 supercedes all the above surveys in common areas as source material for charts.

63. Comparison with Maps of Other Agencies

AMS Biloxi Quad. (Tactical Map) printed in 1942, no publication date, 1:62,500.

This map, by comparison with T-9377, is totally obsolete as source material for Topographic information. The original data was compiled from USC&GS Chart 190 last printed in 1919.

64. Comparison with Contemporary Hydrographic Surveys

None

65. Comparison with Nautical Charts

Chart 876	1:40,000	1952 (8/6/56)

Differences of importance to Nautical Charts are noted as follows:

1. Biloxi Channel LT. 6 1951 has been destroyed. It was relocated approximately 500' southward. A new position, 1954, has been listed on Form 567.

2. The vertical and/or horizontal clearances of the following

Bridges which differ from those shown on Chart 876 are as follows:

a) Poop's Ferry Bridge 30° 25.0' 88° 53.7'

b) The fixed bridge across Keegan Bayou 30° 24.7' 88° 53.7'

c) Data was obtained for the fixed bridge across Auguste Bayou 30° 24.5' 88° 52.6' not previously shown on the chart.

3. A submerged gas line has been laid approximately 300 yards east of the I'Berville Bridge 30° 25.3', 88° 52.5'.

4. The shoreline along Mississippi Sound is subject to rapid change due to a "pumped in" beach. A new line of pile now exists about 400 yards offshore. REFER TO REVIEW REPORT T-9381 PARAGRAPH 65.

All of the above mentioned changes and additions were reported to the Nautical Chart Branch during the review of this survey.

66. Adequacy of Results and Future Surveys

This map complies with all instructions and with the National Standards of Map Accuracy.

It is of adequate accuracy for use as a base for future Hydrographic surveys.

Accuracy of the contours was checked in two separate areas. Refer to Field Edit Report Item #53.

The sewerage disposal area within the limits of Keesler Air Force Base has not been shown on the manuscript in compliance with a letter dated 28 April 1953, Department of the Army G-2 TMP/2569. A copy of this letter has been bound with the descriptive report.

67. Junction with Maps of Other Agencies

To the North with USGS "VESTRY" 15' quadrangle, 1:62,500, 1954, contour interval 10 feet.

Planimetry on T-9377 junctions satisfactorily with the above map except for two dirt roads in the vicinity of Mill Creek. No evidence of their existance could be seen on 1950 photography.

68. Land Lines

The land grants on manuscript T-9377 S/2 east of the grant of Louis Tasier in lat. 88° 53.7' have not been shown. Land Office plats available lack chained distances for this area. The Field Editor advises that "according to local information there are no section corners or lines in this area. The original land grants are used but no east or west distances were ever shown on these land grants."

A Mr. T. T. Atteberry, C. E. and Surveyor, is the authority for this information.

Refer to Field Edit Report Item 55.

Reviewed by:

A. K. Heywood

Approved:

L C Lande
Chief, Review Branch
Div. of Photogrammetry

Chief, Nautical Chart Branch
Division of Charts

Act
Chief, Div. of Photogrammetry

Chief, Div. of Coastal Surveys

APR 29 1953

DEPARTMENT OF THE ARMY
OFFICE OF THE ASSISTANT CHIEF OF STAFF, G-2, INTELLIGENCE
WASHINGTON 25, D. C.

G2-TMP/2569

28 April 1953

MEMORANDUM FOR: DIRECTOR, U. S. COAST AND GEODETIC SURVEY, DEPARTMENT OF COMMERCE
ATTENTION: Administrative Planning Section

SUBJECT: Classification Clearance of USC&GS Topographic Manuscript

1. Reference is made to your memorandum, file 734-cfl, dated 11 February 1953, submitting manuscript No. T-9377 S/2 for security review.

2. The manuscript is returned herewith. It has been reviewed by the Army, Navy, and Air Force Area Commanders concerned, and there is no objection to its publication in unclassified form provided the sewage disposal plant outlined in red is deleted.

for A. C. BOATSMAN
Colonel, GS
Chief, Training Division

1 Incl
USC&GS Topo Manuscript
No. T-9377 S/2

TIDE COMPUTATION

PROJECT NO. Ph-60(49)T- 9377

Time and date of exposure _____ Reference station PENSACOLA Mean range Diurnal

Date of field inspection 19 September 1950 Subordinate station BILOXI, BILOXI BAY Ratio of ranges 1.4

	Time h.	m.
High tide	3	48
Low tide	16	11
Duration of rise or fall	12	23

	Height feet	Height x Ratio of ranges
High tide	1.9	2.7
Low tide	0.0	0.0
Range of tide		2.7

	Time h.	m.
High tide at Ref. Sta.	3	48
Time difference	-0	25
Corrected time at Subordinate station	3	23

	Time h.	m.
Low tide at Ref. Sta.	16	11
Time difference	- 0	25
Corrected time at Subordinate station	15	46

	h.	m.		feet		feet	Photo. No.
Time [illegible] L. T.	15	46	Ht. [illegible] L. T.	0.0	Feature bares		IBERVILLE BDG. BILOXI
Required time	11	30	Tabular correction	0.8	Stage of tide above MLW		
Interval	4	16	Stage of tide above MLW	0.8	Feature above MLW		
Time [illegible] L. T.	15	46	Ht. [illegible] L. T.	0.0	Feature bares		TCHOUTACABOUFFA RIVER (UPPER BRIDGE)
Required time	13	45	Tabular correction	0.2	Stage of tide above MLW		
Interval	2	01	Stage of tide above MLW	0.2	Feature above MLW		
Time [illegible] L. T.	15	46	Ht. [illegible] L. T.	0.0	Feature bares		FIXED RIVER BRIDGE OVER TCHOUTACABOUFFA RIVER
Required time	12	30	Tabular correction	0.2	Stage of tide above MLW		
Interval	2	16	Stage of tide above MLW	0.2	Feature above MLW		
Time H. T. or L. T.			Ht. H. T. or L. T.		Feature bares		
Required time			Tabular correction		Stage of tide above MLW		
Interval			Stage of tide above MLW		Feature above MLW		
Time H. T. or L. T.			Ht. H. T. or L. T.		Feature bares		
Required time			Tabular correction		Stage of tide above MLW		
Interval			Stage of tide above MLW		Feature above MLW		
Time H. T. or L. T.			Ht. H. T. or L. T.		Feature bares		
Required time			Tabular correction		Stage of tide above MLW		
Interval			Stage of tide above MLW		Feature above MLW		

M-2617-12

Computed by R. Dossett Checked by R. R. Wagner

TIDE COMPUTATION

PROJECT NO. Ph60(49) T-9377

Time and date of exposure 1331 May 15, 1950 Reference station PENSACOLA Mean range Diurnal

Date of field inspection November 1951 Subordinate station BILOXI, BILOXI BAY Ratio of ranges 1.4

	Time h.	Time 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	1.8
Low tide	-0.1	-0.1
Range of tide		1.9

	Time h.	Time m.
High tide at Ref. Sta.	9	11
Time difference	-0	25
Corrected time at Subordinate station	8	46

	Time h.	Time m.
Low tide at Ref. Sta.	20	11
Time difference	- 0	25
Corrected time at Subordinate station	19	46

	h. m.		feet		feet	Photo. No.
Time H. T. //// Required time Interval	8 46 13 31 4 45	Ht. H. T. o//// Tabular correction Stage of tide above MLW	1.8 0.8 1.0	Feature bares Stage of tide above MLW Feature above MLW		25912 - 25930
Time H. T. or L. T. Required time Interval		Ht. H. T. or L. T. Tabular correction Stage of tide above MLW		Feature bares Stage of tide above MLW Feature above MLW		
Time H. T. or L. T. Required time Interval		Ht. H. T. or L. T. Tabular correction Stage of tide above MLW		Feature bares Stage of tide above MLW Feature above MLW		
Time H. T. or L. T. Required time Interval		Ht. H. T. or L. T. Tabular correction Stage of tide above MLW		Feature bares Stage of tide above MLW Feature above MLW		
Time H. T. or L. T. Required time Interval		Ht. H. T. or L. T. Tabular correction Stage of tide above MLW		Feature bares Stage of tide above MLW Feature above MLW		
Time H. T. or L. T. Required time Interval		Ht. H. T. or L. T. Tabular correction Stage of tide above MLW		Feature bares Stage of tide above MLW Feature above MLW		

M-2617-12

Computed by R. Dossett Checked by R. R. Wagner