

9378

N4S

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-9378

LOCALITY

State Mississippi

General locality Biloxi Bay

Locality Ocean Springs

194 50-54

CHIEF OF PARTY

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

LIBRARY & ARCHIVES

DATE May 15, 1958

B-1870-1 (1)

8238  
9378

DATA RECORD

T-9378

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)

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):

**AUG 24 1953**

Date reported to Nautical Chart Branch (IV):

**SEP 2 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): **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): **DICKEY, 1930<sup>v</sup>**

Lat.: **30° 24' 02.730 (84.1 m.)<sup>v</sup>**

Long.: **88° 49' 13.943 (372.2 m.)<sup>v</sup>**

Adjusted

~~21201012~~

Plane Coordinates (IV):

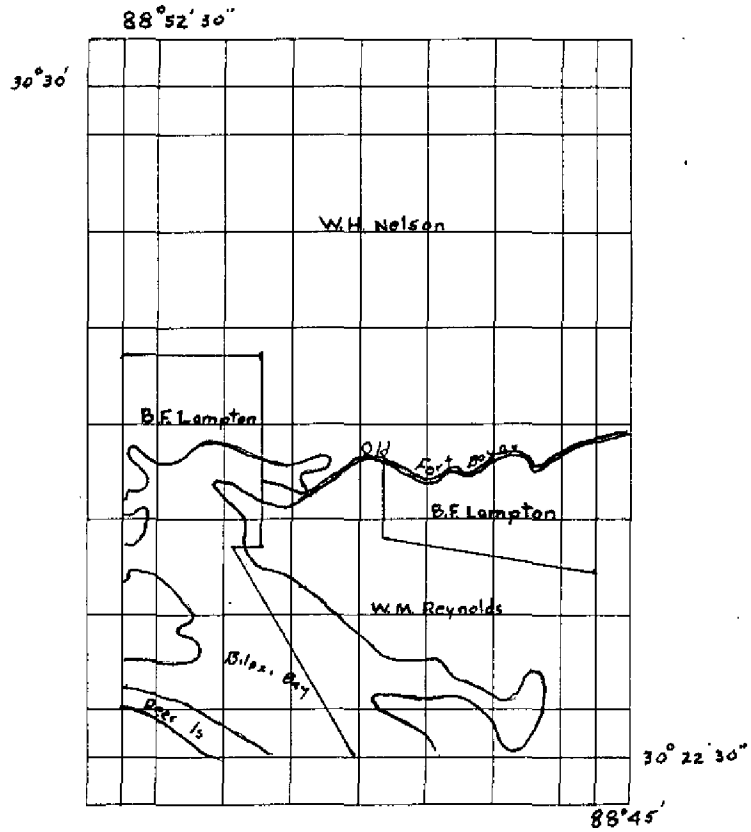
State: **Mississippi** Zone: **East**

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)

DATA RECORD

Field Inspection by (II): W. H. Nelson  
W. M. Reynolds  
B. F. Lampton, Jr. Date: Sept. 1950  
Sept. 1951

Planetable contouring by (II): W. H. Nelson  
W. M. Reynolds  
B. F. Lampton, Jr. Date: May 1951  
Sept. 1951

Completion Surveys by (II): E.T. Jenkins Date: Sept 1954

Mean High Water Location (III) (State date and method of location):  
Sept. 1951  
Air Photo Compilation

*(Portions revised during field edit, 1954) sdx*

Projection and Grids ruled by (IV): T. L. J. (W.O.) Date: 18 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: 7 Dec. 1951

Control checked by (III): R. J. Pate Date: 11 Dec. 1951

Radial Plot ~~on Stereoscopic~~  
~~Carto extension~~ by (III): M. M. Slavney Date: 19 Mar. 1952

Planimetry Date:  
Stereoscopic Instrument compilation (III): Inapplicable  
Contours Date:

Manuscript delineated by (III): R. A. Reece Date: 13 Feb. 1953

Photogrammetric Office Review by (III): J. A. Giles Date: 27 Feb. 1953

Elevations on Manuscript  
checked by *fy* (III): J. A. Giles Date: 26 Feb. 1953

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

PHOTOGRAPHS (III)				
Number	Date	Time	Scale	Stage of Tide
25907-25912	15 May 1950	1319 - 1322	1:10,000	1.0
25931-25934	"	1341 - 1343	"	"
26026	"	1513	"	"
26027	"	1513	"	"
26109-26113	16 May 1950	0916 - 0918	"	"
26133-26137	"	0935 - 0938	"	"

Tide (III)

Reference Station: PENSACOLA, FLORIDA  
Subordinate Station: BILOXI, BILOXI BAY  
Subordinate Station:

Ratio of Ranges	Mean Range	Spring Range
-	-	1.3
1.4	-	1.8

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

Date: *6 Apr 1956*

Final Drafting by (IV):

Date:

Drafting verified for reproduction by (IV):

Date:

Proof Edit by (IV):

Date:

Land Area (Sq. Statute Miles) (III): **56**  
Shoreline (More than 200 meters to opposite shore) (III): **33 stat. mi.**  
Shoreline (Less than 200 meters to opposite shore) (III): **31 stat. mi.**  
Control Leveling - Miles (II): **77.0**  
Number of Triangulation Stations searched for (II): **78** Recovered: **41** Identified: **39**  
Number of BMs searched for (II): **23** Recovered: **19** Identified: **19**  
Number of Recoverable Photo Stations established (III): **17**  
Number of Temporary Photo Hydro Stations established (III): **0**

Remarks:

## Summary to Accompany Topographic Map T-9378

Topographic map T-9378 is one of seven similar maps of Part B, Project 6060. It covers a portion of Biloxi Bay and adjacent land area with Jackson and Harrison Counties, Mississippi.

Project 6060 is a graphic compilation project. Field work in advance of compilation included the establishment of supplemental control, inspection of shoreline and interior features, the investigation of boundaries, land lines and geographic names, and the delineation of 5-foot contours directly on the photographs by planetable methods.

Map T-9378 was compiled at 1:10000 scale in two parts using nine-lens photographs taken in May 1950. The map was completely field edited in September 1954. With the addition of hydrographic information the map will be published by the Geological Survey as a standard 7-1/2-minute topographic quadrangle.

Items registered under T-9378 will include a descriptive report, a lithographic print of the map manuscript and a color print of the published map.

## 2. AREAL FIELD INSPECTION

The chief geographical features of the quadrangle are a portion of Deer Island in the southwest corner, the entrance to the Back Bay of Biloxi, crossed by highway and railroad bridges, the town of Ocean Springs, and Old Fort Bayou, running from the east into the bay. The eastern section of Biloxi lies in the quadrangle. Along the south edge, there is a marshy point, drained by mosquito control ditches. Deer Island is sandy with a beach on both sides and covered with dense woods in the center. The mainland is not cultivated to any extent except for a number of pecan groves. The uplands are covered with pines except where they have been recently cut. Much of the area is being reforested. The swamps have a dense growth of mixed hardwoods.

Ocean Springs is the site of Fort Maurepas, no longer in existence, which was the earliest settlement in this part of the United States, having been settled by the French in 1699.

Attention of the field editor is called to construction of U. S. Highway 90 in a new location. Clearing had begun at time of completion of field inspection. *(Located by field editor.)*

The photographs were clear and of good quality and scale.

The field inspection is believed to be complete.

## 3. HORIZONTAL CONTROL

No supplemental control was established in this area.

The following stations of the U. S. Geological Survey were recovered: USC&GS & SS DISK 1943, TT8T 1940, TT18T 1940, TT19T 1940, TT20T 1940, TT22T 1940, TT23T 1940, TT52T 1940, TT7T 1940, I-3(USC&GS 1918)1940, J-3(USC&GS 1918)1940. All but TT7T 1940 were identified.

The following U.S.E. stations were recovered and identified: PIER 1939, STATION 14 1939, STATION 15 1939, STATION 15-2 1939, STATION 15-3 1939, STATION 17 1939, STATION 17-1 1939, STATION 19 1939, DAY MARKER 34 1939. DAY MARKER 34 1939 was identified but has been destroyed since identification.

The order of accuracy of U.S.G.S. and U.S.E. stations is unknown to the field party but is believed to be third-order.

The following two stations were recovered but not identified because of their proximity to other stations: TT7T 1943(U.S.G.S.), 42 ft. from FONTAINE 1943; HILDA 2 1943, 42 meters from HILDA 1930.

All stations shown on the project layout were searched for. The following stations were not recovered and have been reported as lost on Form 526:

U.S.C.& G.S. stations: BILOXI CHANNEL BEACON NO 42 1935; BILOXI CHANNEL BEACON NO 52 1935; BILOXI STACK 1910; CAD 1910; CHIMNEY ON LARGE HOUSE 1910; EAST CHIMNEY 1910; EASTERN CUPOLA 1910; FIREPLACE CHIMNEY 1910; FORT 1910; GREENHOUSE CHIMNEY 1910; GRINDING MILL STACK, SKYSCRAPER 1910; ICE FACTORY STACK 1910; MARSH 1910; NORTH CHIMNEY 1910; OCEAN SPRINGS HOTEL, NORTHWEST END OF RIDGE PIECE ON ROOF 1910; PLUM 1910; STACK, SECOND LARGEST, 1910; WESTERN CUPOLA 1910; WHITE GABLE 1910.

U.S.G.S. stations: TT17T 1940; TT21T 1940.

U.S.E. stations: DAY MARKER 22 1939; DAY MARKER 24 1939; DAY MARKER 26 1939; DAY MARKER 32 1939; DAY MARKER 38 1939; DAY MARKER 40 1939; DAY MARKER 46 1939; DAY MARKER 50 1939; ANT 1939; OAK 1939; SAND 1939; STATION 14-1 1939; STATION 15-5 1939; STATION 16 1939; STATION 18 1939; STATION 18-B 1939.

Station DAY MARKER 34 1939, U.S.E., was recovered and identified but was later destroyed and has been reported as lost.

#### 4. VERTICAL CONTROL

All bench marks within the limits of the quadrangle were searched for and identified. The following first-order bench marks were recovered: DUKATE; PEM 1826(U.S.E.); MORROW; BM 2 HIGHWAY BRIDGE; BM HIGHWAY BRIDGE; BM 1 HIGHWAY BRIDGE; BRIDGE; RM 1 BRIDGE; RM 2 BRIDGE; G-3; I-3; J-3.

The following third-order U.S.G.S. bench marks were recovered: TT8T; TT18T; TT19T; TT22T; TT23T; TT52T; USC&GS & SS DISK; ~~NAME OF TRIANGULATION STATION BM NO. XI.~~ (According to field edit,  $\Delta$  McClellan is USGS BM. Also BM 39 TWM - USGS located by field edit.) ENR

No bench marks were established by this field party. Seventy-seven miles of fly levels were run to supplement the existing vertical control. All line closures were well within the tolerance specified in the project instructions.

Level points were designated 78-01 through 78-91.

#### 5. CONTOURS AND DRAINAGE

Contouring was done by standard planetable methods on the following photographs: 25908 through 25912; 25933; 25934; 26026; 26027; 26109 through 26113; 26133 through 26137.

Some elevations in heavily wooded areas were established by hand level.



6. WOODLAND COVER

Woodland cover has been indicated on the field inspection photographs. The higher ground on the mainland is covered with pines, except where these have been cleared, varying from thinly scattered to very dense and from small to mature trees. Most of the pine lands have been reforested and the lumbering companies are practicing "tree farming" with selective cutting to assure a permanent supply of trees.

The lower ground, swamps and stream valleys and lowlands near salt water in the southern portion of the quadrangle, is covered with dense hardwood.

There is considerable cultivation of pecans. The groves are easily recognizable on the photographs. In a few areas pines have been planted in rows. These may be differentiated from pecan groves by the closer spacing of the trees.

7. SHORELINE AND ALONGSHORE FEATURES

The MHWL was located on the photographs by visual inspection and measurements from recoverable topographic stations. Wharves, piers, submarine cables, and other shoreline features have been indicated on the photographs. Shoreline inspection was done on the following photographs: 25909 through 25911; 25931 through 25933; 26025 through 26027.

8. OFFSHORE FEATURES

Offshore features have been indicated on the photographs. Heights were determined by planetable and reduced to MHW.

9. LANDMARKS AND AIDS

Biloxi Daybeacons 24, 26, 28, 30, 32, and 34 have been removed and replaced by buoys. Attention is called to Form 24a, List of Directions, Station TIVOLI, for May 1951. This contains a direction to Biloxi Channel Lt. 42.

Ocean Springs Boat Harbor Range is privately maintained. This range borders the west side of the entrance channel. Two points on this range were located by sextant fix which are recorded on the back of photograph 25932.

10. BOUNDARIES, MONUMENTS, AND LINES

Thirty section corners were recovered and reported on Form 524. The following is a list of the recovered corners: In T6S R8W- the NW corners of Sections 25, 27, 34, 35; In T6S R9W- the NW corners of Sections 25 and 35; In T7S R8W- the NW corners of Sections 2, 3, 5, 6, 7, 8, 9, 10, 11, 12, 17, 19, 25, 26, 28, 30, 33, 34, 35; In T7S R9W- The NE corners of Sections 1, 12, and 25, and the NW corners of Sections 13 and 14.

One fractional sectional corner (NE corner of SE/4 of SE/4 of Section 16, T7S R8W) was identified to assist in the delineation of land lines but not reported on Form 524.

Attention is called to three places along the range line between R8W and R9W. It is believed that the E-W section lines bounding sections 1 and 6 are offset at the range line as two corners were found at each crossing.

At the NW corner of Section 24, T7S R9W, two monuments were found, either of which could be the section corner. It is suggested that the one more easily held in delineation be retained and the other discarded.

In some areas where few section corners were recovered, fence lines and other detail visible on the photographs have been identified as being synonymous with section lines.

11. OTHER CONTROL

The following recoverable topographic stations have been established, identified on the photographs and reported on Form 524: ANNA; ARGO; BAIT; BRAN; CONK; CORN; all established in 1950. This list does not include stations reported on Form 567 or section corners, which are listed in Item 10.

12. OTHER INTERIOR FEATURES

A new private airport has been established since photography. It has been located by planetable.

All other features are believed to be sufficiently explained in the field inspection notes.

13. GEOGRAPHIC NAMES

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

*Filed in Geographic Names Section,  
Charts Division.*

14. SPECIAL REPORTS AND SUPPLEMENTAL DATA

Transmittal Letter No. 60-17, 4 June 1951, to Washington Office, Location of Aids to Navigation.

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

Geographic Positions, Fixed Aids to Navigation, forwarded to Tampa Office 1 June 1951.

Transmittal Letter No. 60-21, 4 September 1951, "Special Report, Boundaries, Project Ph-60(49)."

*Filed with Project Data, Photogrammetry Div.*

~~70~~

~~70 - For Signature~~

~~734 - For Recording~~

Vault - For Registering

9378

Form 567 to be submitted at a later date.

Transmittal Letter No. 60-22, Data, Quadrangle T-9378, forwarded to  
the Washington Office October 1951.

Submitted  
10 October 1951

*B. Frank Lampton, Jr.*

B. Frank Lampton, Jr.  
Cartographic Survey Aid

Approved and forwarded  
15 October 1951

*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		Vertical Cl. Above MHW.
					Left	Center Right	
38	Biloxi Bay Biloxi, Miss.	Highway	Swing	2	120*	120*	10.5*
					119.2	Closed	14.1 **
38	Biloxi Bay Ocean Springs, Miss.	Railroad	Swing	2	75.8*	74.4*	7.2*
					87.9	Closed	4.6
346	Old Fort Bayou Ocean Springs, Miss.	Highway	Swing	1	-	50.0*	3.0*
					-	51.5	7.1

\* Measurements listed in 1 July 1941 Edition of Bridge Book.

\*\* 12' - Field edit. *SKR*

APR 14 1952

PROJECT PH-60(49)  
QUADRANGLE T-9378  
ADDENDA

Airway Beacon A8 1935 should be added to the list of lost triangulation stations.

The airway beacon which shows on the photographs in this vicinity is not in the same position as the 1935 location. Information in 1952 from the CAA District Office discloses that the above beacon and the emergency landing field was discontinued in 1951 and all structures removed.

*Percy L. Bernstein*  
Percy L. Bernstein  
Commander, U.S.C. & G.S.  
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-9378 N & S PROJECT NO. **2326012223** PH-60A(19) SCALE OF MAP 1:10,000 SCALE FACTOR

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR $\mu$ -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)	
STATION 15, 1939 (USE)	Biloxi Bay Quad 44	N.A. 1927	30 23 31.946					983.7	( 863.9)	
STATION 15-2, 1940 (USE)	" Quad 57	"	88 52 09.783					261.2	( 1,340.6)	
STATION 15-3, 1940 (USE)	" Quad 73	"	30 23 36.950					1,137.8	( 709.8)	
STATION 17,1939 (USE)	" Quad 18	"	88 52 03.202					85.5	( 1,516.3)	
STATION 17-1, 1939 (USE)	" Quad 55	"	30 23 43.288					1,333.0	( 514.6)	
STATION 19,1939 (USE)	" Quad 56	"	88 51 45.295					101.1	( 1,500.6)	
EM TT 7T, 1943 (USGS)	G.P.'s Pg 192	"	30 23 32.808					1,010.3	( 837.3)	
**TT 23T, 1940 (USGS)	Pascagoula Quad 566	"	88 51 27.909					1,209.2	( 392.6)	
BAY, 1935	G 3394 Pg 64	"	30 23 36.644					1,128.4	( 719.2)	
BILOXI BAY, U.S. ROUTE 90, DRAWSPAN, CENTER LIGHT, 1935	" Pg 71	"	88 45 11.671					745.1	( 856.7)	
RAILROAD BRIDGE CENTER LIGHT, 1935	"	"	30 25 33.20					1,352.6	( 494.9)	
BILOXI CHANNEL BEACON NO. 36, 1935	" Pg 70	"	88 44 51.76					311.6	( 1,290.1)	
		"	30 23 09.371					1,022.3	( 825.3)	
		"	88 48 43.011					1,381.3	( 219.9)	
		"	30 24 21.757					288.6	( 1,559.0)	
		"	88 50 49.468					1,148.3	( 453.6)	
		"	30 24 29.770					670.0	( 1,177.6)	
		"	88 51 01.803					1,320.4	( 281.1)	
		"	30 23 10.569					916.7	( 930.9)	
		"	88 50 55.867					48.1	( 1,553.4)	



MAP T. 9378 N & S PROJECT NO. PH-60A(49) SCALE OF MAP 1:10,000 SCALE FACTOR

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR $\nu$ -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)	
MCCLELLAN, 1943	G.P.'s Pg 182	N. A. 1927	30 28	45.106				1,389.0	( 458.6)	
TT 20T, 1940 (USGS)	" Pg 178	"	88 51	03.081				82.2	( 1,518.1)	
**RAMSAY, 1930	P.C.'s Pg 2	"	30 28	18.610				574.0	( 1,273.6)	
*LATIMER FIRE TOWER, 1935	" Pg 12	"	88 45	42.969				1,146.2	( 454.3)	
*TT 19T, 1940 (USGS)	Vancleave Quad 510	"	312,520.05		4,520.05	( 479.95)				
*TT 52T, 1940 (USGS)	Comp	"	517,260.11		2,260.11	( 2,739.89)				
*FIELD, 1943	G.P.'s Pg 178	"	315,561.05		561.05	( 4,438.95)				
**BLUE, 1943	" Pg 178	"	491,833.94		1,833.94	( 3,166.06)				
*TT 22T, 1940 (USGS)	Pascagoula Quad 542	"	30 30	05.614				173.7	( 1,674.0)	
*TT 18T, 1940 (USGS)	Vancleave Quad 503	"	88 44	55.71				1,485.6	( 114.4)	
PIER, 1939 (USE)	Biloxi Bay Quad 13	"	315,144.19		144.19	( 4,855.81)				
STATION 14 USE, 1939	" Quad 49	"	526,569.28		1,569.28	( 3,430.72)				
			30 26	47.673				1,468.0	( 379.6)	
			88 43	00.535				14.3	( 1,586.6)	
			30 28	08.219						
			88 40	30.495						
			30 26	34.18				1,052.5	( 795.1)	
			88 43	55.92				1,492.1	( 108.9)	
			30 30	06.30				194.0	( 1,653.6)	
			88 42	51.16				1,364.3	( 235.7)	
			30 22	59.065				1,818.8	( 28.8)	Sta disturbed.
			88 51	57.619				1,538.4	( 63.6)	Not shown. etc
			30 23	33.199				1,022.3	( 825.3)	
			88 52	20.742				553.7	( 1,048.0)	

1 FT. = .3048006 METER  
 COMPUTED BY: I.I. Saperstein  
 DATE: 14 Nov. 1951  
 CHECKED BY: R. J. Pate  
 DATE: 16 Nov. 1951  
 M-2386-12  
 U

MAP T. 2378 N & S PROJECT NO. PH-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)	
BILOXI HARBOR BEACON NO. 48, 1935	G3394 Pg 70	N.A. 1927	30	23	51.066			1,572.5	( 275.1)	
			88	50	15.836			422.7	( 1,179.0)	
HOUSE, SOUTH GABLE, 1935 ISLAND HOUSE, 1910	"	"	30	23	22.669			698.0	( 1,149.5)	
			88	48	32.529			868.4	( 733.4)	
'BRIDGE, 1935	Pg 64	"	30	24	37.451			1,153.2	( 694.4)	
			88	50	29.759			794.3	( 807.2)	
'TIVOLI, 1935	"	"	30	23	38.279			1,178.7	( 668.9)	
			88	52	25.205			672.9	( 928.9)	
'FORT 2, 1935	Pg 65	"	30	25	27.258			839.4	( 1,008.2)	
			88	51	12.918			344.8	( 1,256.5)	
DICKEY, 1930	G1352 Pg 27	"	30	24	02.730			84.1	( 1,763.5)	
			88	49	13.943			372.2	( 1,229.4)	
'FONTAINE, 1943	G.P.'s Pg 179	"	30	23	44.345			1,365.5	( 482.1)	
			88	45	11.679			311.8	( 1,289.9)	
OCEAN SPRINGS, MUNICIPAL WATER TANK, 1943	Pg 193	"	30	24	38.101			1,173.2	( 674.3)	
			88	49	37.006			987.8	( 613.8)	
* Outside project limits										
** Outside project limits										

\* Outside project limits but identified and used in controlling radial plot  
 \*\* Outside project limits but recovered

COMPILATION REPORT T-9378

PHOTOGRAMMETRIC FLOT REPORT.

This report was submitted with T-9379.

31. DELINEATION.

The manuscript was delineated by the graphic method. No unusual methods of compilation were used.

Photographs in general were not of the best scale, due largely to tilt. It was found necessary to use the projector in transferring much of the detail.

Field inspection was satisfactory except for certain items noted on the discrepancy overlay.

32. CONTROL.

Horizontal control was adequate with reference to identification, density and placement.

33. SUPPLEMENTAL DATA.

None. *Boundary and land line plats were used. ZHR*

34. CONTOURS AND DRAINAGE.

Most of the contours were transferred from the field photographs by use of the projector as there was excessive tilt and distortion in most photographs. Contours omitted in one area have been noted on the discrepancy overlay.

No particular difficulties were encountered in delineating the drainage.

35. SHORELINE AND ALONGSHORE DETAILS.

Shoreline inspection was adequate for the complete delineation of all the details alongshore.

M.H.W.L. was shown according to field inspection notes and photo interpretation.

36. OFFSHORE DETAILS.

Offshore details were adequately described on field photographs and have been delineated accordingly.

37. LANDMARKS AND AIDS.

Refer to Item nine (9).

Only one of the two points on range submitted have been shown and that is the point located by fix No. 1. The point located by fix No. 2 did not plot on range.

*(One of the range markers was non-existent at the time of field edit. Thus, no check was made.) EHK*

38. CONTROL FOR FUTURE SURVEYS.

Seventeen (17) Forms 524 for recoverable topographic stations are being submitted herewith.

A list of these stations has been prepared and is included under Item 49. Reference Item eleven (11).

39. JUNCTIONS.

This quadrangle joins Survey No. T-9377 to the west and T-9382 to the south. Junctions are in agreement.

*See §67*

There are no contemporary surveys to the north and east available for checking.

40. HORIZONTAL AND VERTICAL ACCURACY.

No statement required.

*See §66*

41. BOUNDARIES.

Section lines were delineated according to the field inspection data submitted in combination with the G. L. O. plats.

Boundary lines of the De Soto National Forest were shown according to description given in "Special Report, Boundaries, Project Ph-60(49)".

See §68

46. COMPARISON WITH EXISTING MAPS.

Comparison was made with U. S. Corps of Engineers Tactical Map, BILOXI, MISS., scale 1:62,500, reprinted in 1942. No significant changes were noted.

Comparison was made with Planimetric Map T-5274, BILOXI - OCEAN SPRINGS, scale 1:10,000, (1947) issued in July 1949. No major changes have taken place.

See §62 &amp; §63

Comparison was also made with C S Sheets 363 ( ) and 366 ( ), 1:20,000, each of which embraced a portion of the area covered by the map manuscript. No significant changes have taken place.

47. COMPARISON WITH NAUTICAL CHARTS.

Comparison was made with U. S. C. & G. S. Chart No. 875, scale 1:40,000, published in January 1948, corrected to 19 September 1950. The planimetric map listed in Item 46 was the source of most of the planimetry on the nautical chart and the same differences apply.

See §65

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY.

None.

ITEMS TO BE CARRIED FORWARD.

None.

*Richard A. Reece*  
Richard A. Reece, Carto Survey Aid

APPROVED &amp; FORWARDED:

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

48. GEOGRAPHIC NAME LIST

- ✓ ANTIOCH CHURCH
- ✓ BAYOU TALLA
- ✓ BIG ISLAND
- ✓ BILOXI
- ✓ BILOXI BAY
- ✓ CEDAR POINT
- ✓ CYPRESS CREEK
- ✓ DAVIS BAYOU
- ✓ DEER ISLAND
- ✓ DE SOTO NATIONAL FOREST
- ✓ FORT POINT
- ✓ GULF HILLS
- ✓ GULF HILLS GOLF COURSE
- ✓ HALSTEAD BAYOU
- ✓ HARRISON COUNTY
- ✓ HERON BAYOU
- ✓ HOLLINGSWORTH POINT
- ✓ JACKSON COUNTY
- \* KEESLER AIR FORCE BASE (MARINE RESERVE)
- ✓ LANGLEY POINT
- ✓ LOUISVILLE AND NASHVILLE R. R.
- ✓ MARSH POINT
- ✓ MISSISSIPPI
- \* MISSISSIPPI
- ✓ OCEAN SPRINGS
- ✓ OCEAN SPRINGS BOAT HARBOR
- ✓ OLD FORT BAYOU
- ✓ PERIGAL CREEK
- ✓ PLUMMER POINT
- ✓ POINT ASCOT
- ✓ POINT CADDIE

Bayou Costapia (small portion on this quad) <sup>ETHR</sup>  
Bayou Poito  
 \* Bayou Talla Church  
 \* Big Ridge Road

Bayou Ave  
 Beach Ave  
 Division St  
 Howard Ave

Fort Bayou Creek

Crash Rescue

H-H Club Training Center  
 Camp

Training Center

48. GEOGRAPHIC NAME LIST (CONTINUED)

✓ RAMSAY BAYOU  
 ✓ RED BLUFF  
 ✓ ROGERS AIRPORT

✓ SIMMONS BAYOU  
 ✓ ST MARTIN BAYOU  
 ✓ STAPLES BAYOU  
 ✓ STARK BAYOU

ST Alphon Ch  
 \*ST Alphon Church

SUPERVISORS DISTRICT NO 1  
SUPERVISORS DISTRICT NO 4  
SUPERVISORS DISTRICT NO 5

} Not mapped, (as per USGS) EHR

~~U S COAST GUARD AIR STATION~~ \*National Guard  
 ✓ U S HIGHWAY 90  
U S HIGHWAY 90 ALT. No longer applies. EHR

✓ WEEKS BAYOU  
 ✓ WILLIAMS BAYOU

\* Names by Field Editor. EHR

LAND GRANTS

LADNER, JOHN B.

MATHINNE, JACQUIS

RICHARDS, DOSSETTE

Names approved  
 2-8-54  
 L. Heck

(?)

Widow Lafontaine  
 (in Ocean Springs)

Streets in Biloxi: (from City Map) EHR

Bayview Ave.  
 Beach Ave.  
 Division St.  
 Howard Ave.

49. NOTES FOR THE HYDROGRAPHER.

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

- ANNA, 1950
- ARGO, 1950
- BAIT, 1950
- BRAN, 1950
- CONK, 1950
- CORN, 1950
- SHOT, 1951
- CAFE, 1951
- OCEAN SPRINGS BOAT HARBOR RANGE FRONT, 1951
- ~~OCEAN SPRINGS BOAT HARBOR RANGE REAR, 1951~~ <sup>SHR</sup> Destroyed (1954)
- BOAT, 1951
- OVER, 1951
- NATO, 1951
- SPOT, 1951
- LUCK, 1951
- CHAN, 1951
- BRIG, 1951



# TIDE COMPUTATION

PROJECT NO. Ph60(49) T-9378

Time and date of exposure 13442 15 May 1950 Reference station PENSACOLA, FLORIDA Mean range ---

Date of field inspection Sept. 1951 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	
					Low tide at Ref. Sta.	
					Time difference	
					Corrected time at Subordinate station	
					Time difference	
					Corrected time at Subordinate station	

	h. m.		Ht. H. T. or L. T. feet	Height x Ratio of ranges	Ht. H. T. or L. T. feet	Photo. No.
	h.	m.				
Time H. T. or L. T.	08	46	1.8	1.8	1.8	25932
Required time	13	42	0.8	0.8	0.8	
Interval	04	56	1.0	1.0	1.0	
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						
Time H. T. or L. T.						
Required time						
Interval						

FIELD EDIT REPORT  
Quadrangle T-9378  
Project PH 60A (49)  
Ira R. Rubottom, Chief of Party

51. METHODS-- This quadrangle was inspected by riding over all roads to check their classification, to locate and classify buildings, to examine questioned areas, to visually check contours and to check different areas of woodland as to its growth in the past four years so that other areas could be classified.

All additions, corrections and deletions were made on the field edit or discrepancy prints or were cross referenced to the photographs. Violet ink was used for all corrections on the photographs, red and violet ink was used on the field edit sheet and green ink was used for all deletions. No legend appears on the field edit sheet or photographs.

Field edit information is shown on two double weight matte prints (N & S  $\frac{1}{8}$ ) each cut into four sections and numbered 1, 2, 3 and 4. These cut up sections were used as field edit prints. Other information is shown on four discrepancy prints and sixteen 1-10,000 scale nine lens photographs numbered 25908-25911 incl., 25931-25936 incl., 26110, 26111 and 26134-26137 incl.

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

53. MAP ACCURACY-- No vertical or horizontal accuracy tests were made of the quadrangle. However, visual inspection indicates that the map will meet national specifications.

Sec 366  
X

54. RECOMMENDATIONS-- None offered.

55. EXAMINATION OF PROOF COPY-- Mr. T. T. Atteberry, a local Engineer and Surveyor, that specializes in co-ordinated surveys of the area between Ocean Springs and Gulfport will examine a copy of the map for errors if it is desired. Mr. Atteberry's address is... Coast Survey And Planning Service, Engineers And Surveyors, P. O. Box 242, Biloxi, Mississippi

Respectfully submitted by,

*Elgan T. Jenkins*  
Elgan T. Jenkins  
Cartographer

Approved and forwarded:  
Ira R. Rubottom, CDR,  
Chief of Party

*Ira R. Rubottom*

PHOTOGRAMMETRIC REVIEW SECTION

DEPARTMENT OF COMMERCE  
U. S. COAST AND GEODETIC SURVEY

~~NONRECOMMENDING~~ AID~~S~~ OR LANDMARKS FOR CHARTS

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

Tampa Photogrammetric Office, Tampa, Fla. Feb. 1953

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

The positions given have been checked after listing by Richard A. Keene

CHARTING NAME	STATE	DESCRIPTION	SIGNAL NAME	POSITION				DATUM	METHOD OF LOCATION AND SURVEY NO.	DATE OF LOCATION	HARBOR CHART	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTED
				LATITUDE*		LONGITUDE*								
				D. M. METERS	° /	D. P. METERS	° /							
-TANK	MISSISSIPPI	steel, water, ht = 135 (155) (OCEAN SPRINGS MUNICIPAL WATER TANK, 1943)		30 24	88 49	37.006 987.8	N.A. 1927	Trian.	1943	X	X		875 1267	
-R. TR.		steel, (WHI), ht = 110 (330) (SHOT, 1951)		30 24	88 47	19.1 587	"	Red. Plot T-9378	1951	X			876 1267	
-STACK		steel, black, Biloxi Seafood Co. ht = 62 (64) (NATO, 1951)		30 23	88 51	24.5 751	"	"	"		X		875, 876 1267	
-STACK		steel, black, C. C. Co. ht = 93(95) (CAPE, 1951)		30 23	88 51	47.4 1460	"	"	"		X		"	
													22	

J. E. Waugh  
Chief of Party

This form shall be prepared in accordance with Hydrographic Manual, pages 800 to 804. Positions of charted landmarks and nonfloating

NONFLOATING AIDS OR LANDMARKS FOR CHARTS

TO BE CHARTED  
~~TO BE DELETED~~

STRIKE OUT ONE

Tampa Hydrographic Office, Tampa, Florida. Feb., 19 53

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

Richard A. Reese

J. E. Waugh

Chief of Party.

STATE	MISSISSIPPI	CHARTING NAME	DESCRIPTION	SIGNAL NAME	POSITION						DATE OF LOCATION	METHOD OF LOCATION (NAVY SURVEY NO.)	HARBOR CHART	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTED
					LATITUDE*		LONGITUDE*		DATUM							
					° ' "	D.M. METERS	° ' "	D.P. METERS								
>		OCEAN SPRINGS BOAT HARBOR CHANNEL LIGHT 41 (BOAT, 1951)			30 23	52.8 1627	88 49	39.0 1011	N.A. 1927	Med. Plot T-9370	X				1267 876	
>		OCEAN SPRINGS BOAT HARBOR CHANNEL DAY-BEACON 2 (OVER, 1951)			30 23	52.0 1601	88 49	57.0 1521	"	"	X				"	
>		BILLOXI CHANNEL LIGHT 36 (BILLOXI CHANNEL BEACON NO 36, 1935)			30 23	10.569 325.5	80 50	55.867 1491.5	"	Triang.	X				875 1267	
>		BILLOXI CHANNEL LIGHT 48 (BILLOXI HARBOR BEACON NO 48, 1935)			30 23	51.966 1572.5	80 50	15.836 422.7	"	"	X				"	
>		BILLOXI CHANNEL LIGHT 23 (CRAN, 1951)			30 23	21.6 661	88 52	13.7 366.	"	Med. Plot T-9370	X				876 1267	
>		BILLOXI CHANNEL LIGHT 31 (LUCK, 1951)			30 23	16.2 499	88 51	22.8 609	"	"	X				"	
>		BILLOXI CHANNEL LIGHT 42 (BEAT, 1951)			30 23	23.3 719	88 50	21.4 570	"	"	X				"	
															23	

This form shall be prepared in accordance with Hydrographic Manual, pages 800 to 804. Positions of charted landmarks and nonfloating

NONFLOATING AIDS OR LANDMARKS FOR CHARTS

~~TO BE CHARTED~~  
~~TO BE DELETED~~

STRIKE OUT ONE

Tampa Photogrammetric Office, Tampa, Florida Feb. 19 53

I recommend that the following objects which have ~~(been charted)~~ 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

Richard A. Hesse

J. E. Gaugh

Chief of Party.

STATE	CHARTING NAME	DESCRIPTION	SIGNAL NAME	POSITION						METHOD OF LOCATION AND SURVEY NO.	DATE OF LOCATION	CHARTS AFFECTED			
				LATITUDE*		LONGITUDE*		D.M. METERS	D.P. METERS			DATUM	HARBOR CHART	INSHORE CHART	OFFSHORE CHART
				°	'	°	'								
MISSISSIPPI	7 BILOXI CHANNEL LIGHT 56 (BRIG. 1951)			30	24	31.3 965	88	52	35.1 938	N.A. 1927	Mad. Plot T-9370	1951	X		876 1267
	7 OCEAN SPRINGS BOAT HARBOR MARKER RANGE FRONT			30	24	19.4 597	08	49	17.6 469	"	"	"	X		"
	7 OCEAN SPRINGS BOAT HARBOR MARKER RANGE REAR			30	24	20.8 640	08	49	16.4 437	"	"	"	X		"
											24				

This form shall be prepared in accordance with Hydrographic Manual, pages 800 to 804. Positions of charted landmarks and *nonfloating*

PHOTOGRAMMETRIC REVIEW SECTION

DEPARTMENT OF COMMERCE  
U. S. COAST AND GEODETIC SURVEY

AERONAUTICAL

NONFLUORESCENT OR LANDMARKS FOR CHARTS

TO BE CHARTED  
~~TO BE NONFLUORESCENT~~

STRIKE OUT ONE

Tampa Photogrammetric Office, Tampa, Fla. 14 April 1953

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

The positions given have been checked after listing by

I. I. Saperstein

J. E. Maugh  
Chief of Party

STATE	CHARTING NAME	DESCRIPTION	SIGNAL NAME	POSITION				METHOD OF LOCATION AND SURVEY No.	DATE OF LOCATION	HARBOR CHART	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTED	
				LATITUDE		LONGITUDE								DATUM
				D. M. METERS	° ' "	D. P. METERS	° ' "							
MISSISSIPPI	AIRWAY BEACON (Inoperative)			30 26	08 42	56.18	N.A.	Rad. Plot T-9370	Apr. 1952				Mobile Sectional	

NONFLOATING AIDS ~~OR~~ LANDMARKS FOR CHARTS

~~UNRECORDED~~  
TO BE DELETED

STRIKE OUT ONE

Tampa Florida

12 September, 1954

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

The positions given have been checked after listing by

Richard A. Reese

Ira E. Rubottom Chief of Party.

CHARTING NAME	STATE	DESCRIPTION	SIGNAL NAME	POSITION			METHOD OF LOCATION SURVEY NO.	DATE OF LOCATION	HARBOR CHART	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTED
				LATITUDE #	LONGITUDE #							
					D. M. METERS	D. P. METERS						
LIGHT	MISSISSIPPI	BILOXI CHANNEL CADET POINT		30 23.4	86 51.4				X			876 1267
		Chart Light removed										

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





50. PHOTOGRAMMETRIC OFFICE REVIEW  
T-9378

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 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 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 William A. Resure  
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:

Review Report  
Topographic Map T-9378  
6 April 1956

61. General:

In conjunction with applying field edit corrections and doing final review, single-lens photographs numbered 54-W-3253 through 3256 taken 23 October 1954 were examined. The chief changes were the completion of U. S. 90 and additional dredging in Ocean Springs Boat Harbor. The manuscript was corrected to show these changes.

62. Comparison with Registered Topographic Surveys:

T-323	1:20,000	1851
T-324	1:10,000	"
T-384	"	1852
T-5274	"	1943-47
T-7017b	"	1946

T-5274 shows a few piers which are not shown on T-9378. These might be retained as piling. Otherwise, T-9378 should supersede these prior surveys for nautical charting for the area it encompasses.

63. Comparison with Maps of Other Agencies:

Biloxi, Miss. 1:62500, Reprint AMS 1942, Advance Sheet

Map is a compilation from older sources and is very outdated.

64. Comparison with Contemporary Hydrographic Surveys:

None.

65. Comparison with Nautical Charts:

875 and 876 1:40000 Revised 8/22/55

A few differences exist in alongshore structures. Cadet Point Wharf Light and Ocean Springs Boat Harbor Rear Light were non-existent at field edit (September 1954).

66. Adequacy of Results and Future Surveys:

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

67. Junctions:

This map junctions with USGS quadrangles: "Vestry, Miss.", 1:62,500, 1954 to the northward and "Pascagoula, Miss.", 1:62,500, 1943 to the eastward. Minor differences in the mapping of streams, swamps and woodland exist between the maps. Planimetric details are in excellent agreement except for cultural change. Contours were adjusted slightly on T-9378 to effect junctioning. Because of the difference in scale and interval, exact agreement was not attempted.

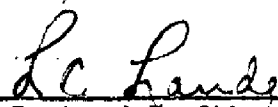
68. Boundaries:

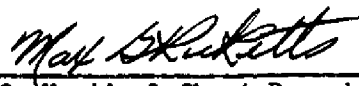
The boundary between Jackson and Harrison Counties is described as following the middle of Biloxi Bay, whereas the boundary of the City of Biloxi follows the sailing channel through Biloxi Bay. Because the county boundary descriptions appear inconsistent with the city boundary, only that portion of the county boundary which could be reliably positioned was shown.

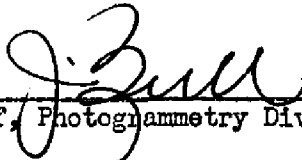
Reviewed by:


  
\_\_\_\_\_  
Everett H. Ramey

APPROVED BY:

  
\_\_\_\_\_  
Chief, Review & Drafting Section  
Photogrammetry Division

  
\_\_\_\_\_  
Chief, Nautical Chart Branch  
Charts Division

  
\_\_\_\_\_  
Chief, Photogrammetry Division

  
\_\_\_\_\_  
Chief, Coastal Surveys Division