

TP 00047

TP-00047

NOAA FORM 76-35

U.S. DEPARTMENT OF COMMERCE  
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION  
NATIONAL OCEAN SURVEY

## DESCRIPTIVE REPORT

Type of Survey ..... Shoreline .....

Job No. ... PH-6902 ..... Map No. ... TP-00047 .....

Classification No. .... Edition No. .... 1 .....

Field Edited

## LOCALITY

State Mississippi - Louisiana .....

General Locality ... Lake Borgne .....

Locality ... Mississippi River .....

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1969 TO 1973

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## REGISTRY IN ARCHIVES

DATE .....

MAP NOT INSPECTED IN QUALITY CONTROL PRIOR  
TO REGISTRATION

DESCRIPTIVE REPORT - DATA RECORD  
TP-00047

PROJECT NO. (III):

PH-6902

FIELD OFFICE (II):

CHIEF OF PARTY

PHOTOGRAMMETRIC OFFICE (III):

OFFICER-IN-CHARGE

Atlantic Marine Center - Norfolk, VA

Alfred C. Holmes - Director

INSTRUCTIONS DATED (II) (III):

Office - Aerotriangulation - June 13, 1969  
Office - Compilation - July 25, 1969  
Office - Amendment I - Oct. 6, 1969  
Office - Amendment 2 - Dec. 11, 1969  
Office - Supplement I - May 13, 1970  
Field - - Apr. 28, 1969  
Field - Supplement I - Oct. 7, 1969  
Field - Post. Compilation - Apr. 6, 1970  
F & O - Review of Instructions - June 20, 1972

METHOD OF COMPILATION (III):

Wild B-8 Stereoplotter

MANUSCRIPT SCALE (III):

1:20,000

STEREOSCOPIC PLOTTING INSTRUMENT SCALE (III):

1:30,000 Pantographed to 1:20,000

DATE RECEIVED IN WASHINGTON OFFICE (IV):

DATE REPORTED TO NAUTICAL CHART BRANCH (IV):

APPLIED TO CHART NO.

DATE:

DATE REGISTERED (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):

VIOLET 2, 1966

LAT.:

29° 53' 54.92066"  
(1691.1 M.)

LONG.:

89° 54' 07.89559"  
(211.8 M.)☒ ADJUSTED☐ UNADJUSTED

PLANE COORDINATES (IV):

STATE

ZONE

450,812.73 Ft.

x = 2,453,459.43 Ft.

Louisiana

South

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.

## DESCRIPTIVE REPORT - DATA RECORD

TP-00047

FIELD INSPECTION BY (II):		DATE:
None		
MEAN HIGH WATER LOCATION (III) (STATE DATE AND METHOD OF LOCATION):		
Air Photo Compilation - Nov. 15, 1969, Date of Photography.		
PROJECTION AND GRIDS RULED BY (IV):		DATE
Coradomat Auto Plotter		
PROJECTION AND GRIDS CHECKED BY (IV):		DATE
Coradomat Auto Plotter		
CONTROL PLOTTED BY (III):		DATE
Coradomat Auto Plotter		
CONTROL CHECKED BY (III):		DATE
Coradomat Auto Plotter		
RADIAL PLOT OR STEREOSCOPIC CONTROL EXTENSION BY (III):		DATE
D.M. Brant		April, 1970
STEREOSCOPIC INSTRUMENT COMPILATION (III):	PLANIMETRY B.L. Barge Reviewed: A.L. Shands	DATE April, 1970 April, 1970
	CONTOURS Inapplicable	DATE
MANUSCRIPT DELINEATED BY (III):		DATE
B.L. Barge		Aug., 1970
SCRIBING BY (III):		DATE
PHOTOGRAMMETRIC OFFICE REVIEW BY (III):		DATE
Frank Margiotta		Feb., 1974
REMARKS:		
Field Edit By: Richard D. Olson Feb., 1973		

DESCRIPTIVE REPORT - DATA RECORD  
TP-00047

CAMERA (KIND OR SOURCE) (III):

Wild RC-8 "E"

Wild RC-9 "M"

## PHOTOGRAPHS (III)

NUMBER	DATE	TIME (CST)	SCALE	STAGE OF TIDE
69M(P) 162 thru 166	11/15/69	14:02	1:60,000	0.2 ft above MLW
69M(P) 169 thru 171	11/15/69	14:16	1:60,000	0.1 ft. above MLW
69M(P) 123 thru 124	11/15/69	13:10	1:60,000	0.1 ft below MLW
69E(C) 3264 thru 3268	11/15/69	11:00	1:40,000	0.9 ft above MLW
69E(C) 3257 thru 3258	11/15/69	10:39	1:40,000	1.0 ft above MLW
69E(C) 3364 thru 3365	11/15/69	12:30	1:40,000	0.0 ft at MLW

## Predicted TIDE (III)

## Diurnal

		RATIO OF RANGES	MEAN <del>Range</del> RANGE	
REFERENCE STATION:			Tide	
SUBORDINATE STATION:			0.6'	1.3'
SUBORDINATE STATION:			0.5'	1.0'
Atlantic Marine Center REVIEW BY (IV):		DATE:		
C.H. Bishop		March, 1974		
PROOF EDIT BY (IV):		DATE:		
NUMBER OF TRIANGULATION STATIONS SEARCHED FOR (III):	3	RECOVERED:	2	IDENTIFIED: 1
NUMBER OF BM(S) SEARCHED FOR (III):	0	RECOVERED:	0	IDENTIFIED 0
NUMBER OF RECOVERABLE PHOTO STATIONS ESTABLISHED (III):				
None				
NUMBER OF TEMPORARY PHOTO HYDRO STATIONS ESTABLISHED (III):				
None				

REMARKS:

## HISTORY OF FIELD OPERATIONS TP 00047

I. ☐ FIELD INSPECTION OPERATION☒ FIELD EDIT OPERATION

OPERATION	NAME	DATE
1. CHIEF OF FIELD PARTY	Richard D. Olson	Feb 73
2. HORIZONTAL CONTROL	RECOVERED BY Richard D. Olson	1972-73
	ESTABLISHED BY None	
	PRE-MARKED OR IDENTIFIED BY N.A.	
3. VERTICAL CONTROL	RECOVERED BY N.A.	
	ESTABLISHED BY N.A.	
	PRE-MARKED OR IDENTIFIED BY N.A.	
4. LANDMARKS AND AIDS TO NAVIGATION	RECOVERED (Triangulation Stations) BY Richard D. Olson	Jan 73
	LOCATED (Field Methods) BY N.A.	
	IDENTIFIED BY Richard D. Olson	Jan 73
5. GEOGRAPHIC NAMES INVESTIGATION	TYPE OF INVESTIGATION <input checked="" type="checkbox"/> COMPLETE <input type="checkbox"/> SPECIFIC NAMES ONLY <input type="checkbox"/> NO INVESTIGATION	
	BY Carl V. Ullman	Jan 12, 73
6. PHOTO INSPECTION	CLARIFICATION OF DETAILS BY Richard D. Olson	Nov 72-Jan 73
7. BOUNDARIES AND LIMITS	SURVEYED OR IDENTIFIED BY N.A.	

## II. SOURCE DATA

1. HORIZONTAL CONTROL IDENTIFIED		2. VERTICAL CONTROL IDENTIFIED	
N.A.		N.A.	
PHOTO NUMBER	STATION NAME	PHOTO NUMBER	STATION DESIGNATION

## 3. PHOTO NUMBERS (Clarification of details)

69E(c)3257, 3258, 3365 (all field photos)

## 4. LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED

WTIX four radio towers  
Miss. Gulf Outlet Canal, Lt 113, Lt 114, Lt 115

PHOTO NUMBER	OBJECT NAME	PHOTO NUMBER	OBJECT NAME
69E(c)3265	WTIX Radio-Towers		
(processed)			
69E(c)3257	Lt# 113		
69E(c)3258	Lt# 114		
69E(c)3258	Lt# 115		

5. GEOGRAPHIC NAMES: ☒ REPORT ☐ NONE6. BOUNDARY AND LIMITS: ☐ REPORT ☒ NONE

## 7. SUPPLEMENTAL MAPS AND PLANS

None.

## 8. OTHER FIELD RECORDS (Sketch books, etc. DO NOT list data submitted to the Geodesy Division)

Planetable sheet (cronaflex copy of T-sheet TP00047)

TP-00047

COMPILATION RECORD

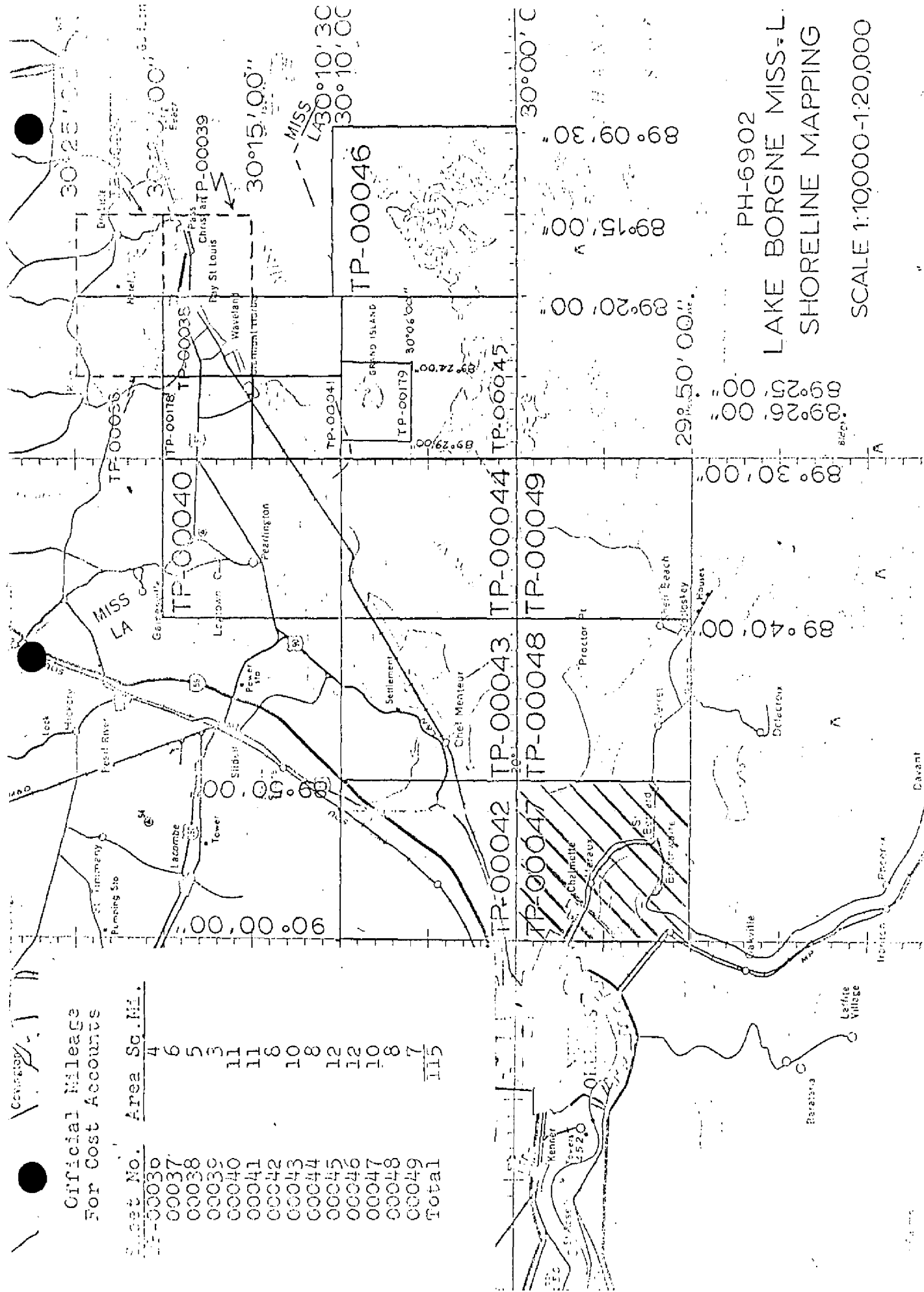
COMPLETION DATE

REMARKS

Compilation Complete Pending Field Edit	Aug., 1970	Superseded
Field Edit Applied	June, 1973	Superseded
Final Review	March, 1974	

# Official Mileage For Cost Accounts

Sheet No.	Area Sq.Mi.
TP-00030	4
00037	6
00038	5
00039	3
00040	11
00041	11
00042	8
00043	10
00044	8
00045	12
00046	12
00047	10
00048	8
00049	7
Total	115



PH-6902  
LAKE BORGNE MISS-L  
SHORELINE MAPPING  
SCALE 1:10,000-1:20,000



SUMMARY TO ACCOMPANY

DESCRIPTIVE REPORT TP-00047

This 1:20,000 scale shoreline manuscript is one of 16 maps that comprise Project PH-6902, Lake Borgne, MISS - LA. The project diagram shows the location of this map in the project.

Field work before compilation was limited to recovery, identification, and premarking horizontal control required for bridging. No part of the area was field inspected.

Compilation was by Wild B-8, except for the Mississippi River between Caernarvon and St. Bernard Grove, which was done graphically. See Compilation Report, Par. 31.

Field edit of the Lake Borgne area of the map (NE 1/4) was done in conjunction with hydrography in January, 1973. Certain landmarks in the Chalmette - Meraux area were also edited.

The Mississippi River shoreline and cultural features, including landmarks and aids to navigation (except as noted above), were not field edited. This part of the map was not included in instructions for this project. See Compilation Report, Par. 31.

Final review was done at the Atlantic Marine Center in March, 1974.

The original manuscript was a stabilene sheet 10 minutes in latitude by 10 minutes in longitude.

A negative and a cronaflex copy of the final reviewed manuscript were forwarded for record and registry.

FIELD INSPECTION REPORT

PH - 6902

TP-00047

There was no field inspection prior to compilation.

Shoreline Mapping, Lake Bergne, La.

FIELD

JOB PH-6902

Premark was done in accordance with Instructions received 29 April, 1969.

All stations were premarked using panel array no. 2.

MILT, 1969 was established in target area no. 4 on flight line 30-1. Permission to establish MILT, 1969 as third-order was obtained from C-1413.

Photography was completed on 3 June 1969.

Respectfully Submitted,

*Dale M. Fuller*

Dale M. Fuller

Photo Party 61

Pass Christian, Miss

## FIELD REPORT PH-6902

### PREMARKING HORIZONTAL CONTROL STATIONS

In accordance with Instructions--FIELD--SUPPLEMENT I--Shoreline Mapping, Lake Borgne, Louisiana, received October 7, 1969, reference C1413, 24 triangulation stations were premarked. Revised Horizontal Control Diagram dated October 17, 1969, called for 14 stations to be premarked for 1:60,000 scale photography and 10 to be premarked for 1:20,000 scale photography. These requirements were fulfilled, the only deviation being station VIOLET 2, 1966, which was substituted for MARTELLO, 1966. It is thought, however, that due to the shape of the building known as Martello Castle and the placement of the station disk on a corner of the wall it may prove useful as control if needed. A reading of the station description and a look at the building on the photograph will shed further light on this thought.

Stations were marked with white polyethylene plastic sheeting. All panels placed of the station marks or used as substations are square. Those used for the 1:60,000 scale photography are 10 feet square; the 1:20,000's are 3 feet square. Where practical, 3 runners were used as wing panels and these are shown in their approximate relations to the center square on the Form 152, CSI card, submitted for each station. The wing panels are approximately 4.7 feet wide by 30 feet long for the 1:60,000 photography and 2 feet by 12 feet for the 1:20,000.

Paragraph 5 of the Supplemental Instructions called for premarking of previously monumented topographic stations along the north shore of Mississippi Sound and Lake Borgne from Pass Christian (Map TP-00039) southwestward to Alligator Point (Map TP-00043). This involved 47 stations. Descriptions were not available for approximately 30 percent, but all marks were searched for and reported on Form 524. <sup>14 stations</sup> Stations were recovered and premarked. Form 152, CSI cards, are submitted for these in addition to Form 524.

These stations were premarked for 1:40,000 scale photography. All were marked by placing a 5-foot square panel over the station mark with wing panels as shown in the sketches--generally 3 runners 3.5 or 4 feet wide by 20 feet long.

It is not known exactly when the photographs were taken. We were in the process of premarking the topographic stations until Monday noon, November 17th. Station BASE 1950 (TP-00037) was marked on that date

2.

and it is understood that the photo mission had left the area by then. Four stations were marked Friday, November 14th. They are ARCH, BARK, STAR, and CELL, and are in Maps TP-00036, 00037 and 00039.

It is respectfully suggested and urgently requested that on future projects of this nature the Chief of Photo Mission be required to contact the Photo Field Party prior to photography. This would seem to be a reasonable courtesy and prove helpful to all concerned. Targets are often placed at stations as much as a month prior to photography. These should be checked immediately before photography as they are subject to vandalism and damage by the elements.

Submitted 11/25/69

William H. Shearouse,  
Chief, Photo Party 60

Photogrammetric Plot Report  
Job PH-6902  
Lake Borgne, La.-Miss.

April 1970

21.. Area Covered

This report covers the area of Lake Borgne. Included are nine (9) 1:20,000 sheets TP-00040, TP-00042 thru TP-00049 and three (3) 1:10,000 sheets TP-00041, TP-00178 and TP-00179.

22. Method

Six (6) strips of 1:60,000 scale photographs were bridged by analytical and four (4) strips of 1:20,000 scale photographs were bridged by analog aerotriangulation methods.

The attached sketch of the strips bridged shows the placement of triangulation used in the strip adjustments. A list of closures to control is part of this report.

Positions for all bridge points have been submitted for each strip. All pass points, control and topographic stations have been plotted on the manuscripts by the Coradi, on the Louisiana South Zone plane coordinate system.

In order to compile sheets TP-00041 and TP-000178 at 1:10,000 scale it will be necessary to locate compilation points from Strip 5, 1:60,000 scale, to the 1:40,000 scale color photographs 69-E(C)-3376 thru 3380. Color diapositives and contact printons will be sent of the above photographs. These are the only 1:40,000 scale plates needed for this job.

All topographic stations recovered and panelled by the field party that fall within the project limits have been located by the bridge.

23. Adequacy of Control

All horizontal control was premarked and was adequate to control 1:60,000 scale strips. Along with horizontal control numerous tie points were used to control the 1:20,000 strips.

25. Photography

The definition and quality of the RC-9 "M" camera panchromatic photography was poor. The photographs were very dark, especially along the edges and numerous sun spots made definition of detail rather doubtful in many instances.

The quality of the 1:20,000 scale "S" and "E" cameras color photography was good. The 1:40,000 scale "E" camera color photography that was used mainly for ratio prints appeared to be of good quality and definition.

Respectfully submitted,



Donald M. Brant

Approved and forwarded,



Henry P. Eichert  
Chief, Aerotriangulation  
Section

Lake Borgne, La.-Miss.  
Closures to Control (Feet)

Strip 1	x	y
Bilox Bayou 2, 1966	+1.3	-1.4
Blind A2, MK, 1966	-2.2	+5.4
John 2, 1966	+1.3	+5.6
Door Pt. 2, 1952	+1.2	+1.5
Strip 2		
Enid, 1966	-0.2	+0.8
Bilox Bayou 2, 1966	+1.6	-1.1
Sub. Sta. St. Malo, 1934	-2.5	+0.7
Hopedale 2, 1966	+1.0	-0.4
Strip 3		
Sub. Sta. Violet 2, 1966	-3.5	+3.4
*Yscloskey Gas Co. Mast, 1966	-6.1	+5.2 (0.I.)
*Miss. River Gulf Outlet Lt. 107, 1966	+7.8	-4.6 (0.I.)
*Miss. River Gulf Outlet Lt. 108, 1966	+6.7	-4.9 (0.I.)
Luce, 1934	+6.5	-1.0
*Yscloskey Munic. W.T. 1966	+0.1	-3.6 (0.I.)
Sub. Sta. St. Malo, 1934	-0.5	-2.7
Strip 4		
Hopedale 2, 1966	-0.8	-0.5
*Yscloskey Munic. W.T. 1966	-0.5	+4.2 (0.I.)
*Lt. 107	+2.9	+2.9 (0.I.)
Luce, 1934	+0.6	+2.0 (0.I.)
*Yscloskey Gas Co. Mast, 1966	+3.5	-1.3 (0.I.)
Chalmettes, 1966	+0.2	+0.9
Sub. Sta. Hopedale 2, 1966	-0.7	-0.8
*Shell Beach Radio Mast	+0.1	-5.9 (0.I.)
*Lt. 108	+4.5	+1.3 (0.I.)
Sub. Sta. Violet 2, 1966	-0.2	-2.1
*Miss. River Gulf Outlet Lt. 103, 1966	-4.6	-6.8 (0.I.)
*Miss. River Gulf Outlet Lt. 104, 1966	-2.4	-7.2 (0.I.)
Strip 5		
Chalmettes, 1966	-0.6	+0.6
*Venetian Isle W.T. 1966	+1.3	-2.5
*Venetian Isle Microwave Tower, 1966	+5.4	+6.0 (0.I.)
Rigg, 1934	-0.2	+0.4
*Tenn. Gas Pipeline Co. Radio Mast; 1959	-0.6	+4.8
Sub. Sta. Tenn. Gas Pipeline Co. Radio Mast, 1959	-0.7	+0.9
Sub. Sta. Folger, 1966	-0.4	-0.3
Sub. Sta. Venetian Isle W.T. 1966	+0.9	-0.7



	x	y
Sub. Sta. West, 1954	+0.3	-0.6
*Bay St. Louis W.T. 1931	+1.5	-5.9 (O.I.)
*Folger RM 2, 1966	-1.8	-3.5

#### Strip 6

*Tenn. Gas Pipeline Co. Radio Mast, 1959	+1.4	+1.4
Sub. Sta. Tenn. Gas Pipeline Co. Radio Mast, 1959	0.0	0.0
*Venetian Isle W.T. 1966	+0.8	-5.4
Sub. Sta. Venetian Isle W.T. 1966	+1.8	-1.9
Rigg	+0.1	-0.3
*Pearl RM 1, 1931	+4.2	-3.2
Sub. Sta. Folger, 1966	+0.1	-1.8
*Folger RM 2, 1966	-1.2	-2.6

#### Strip 7

John 2, 1966	0.0	0.0
Grand Pass 3, 1966	0.0	0.0
Enid, 1966	0.0	0.0

#### Strip 8

Sub. Sta. A Proctor Pt. 3, 1952	0.0	0.0
*Sub. Sta. B Proctor Pt. 3, 1952	+3.1	-1.7

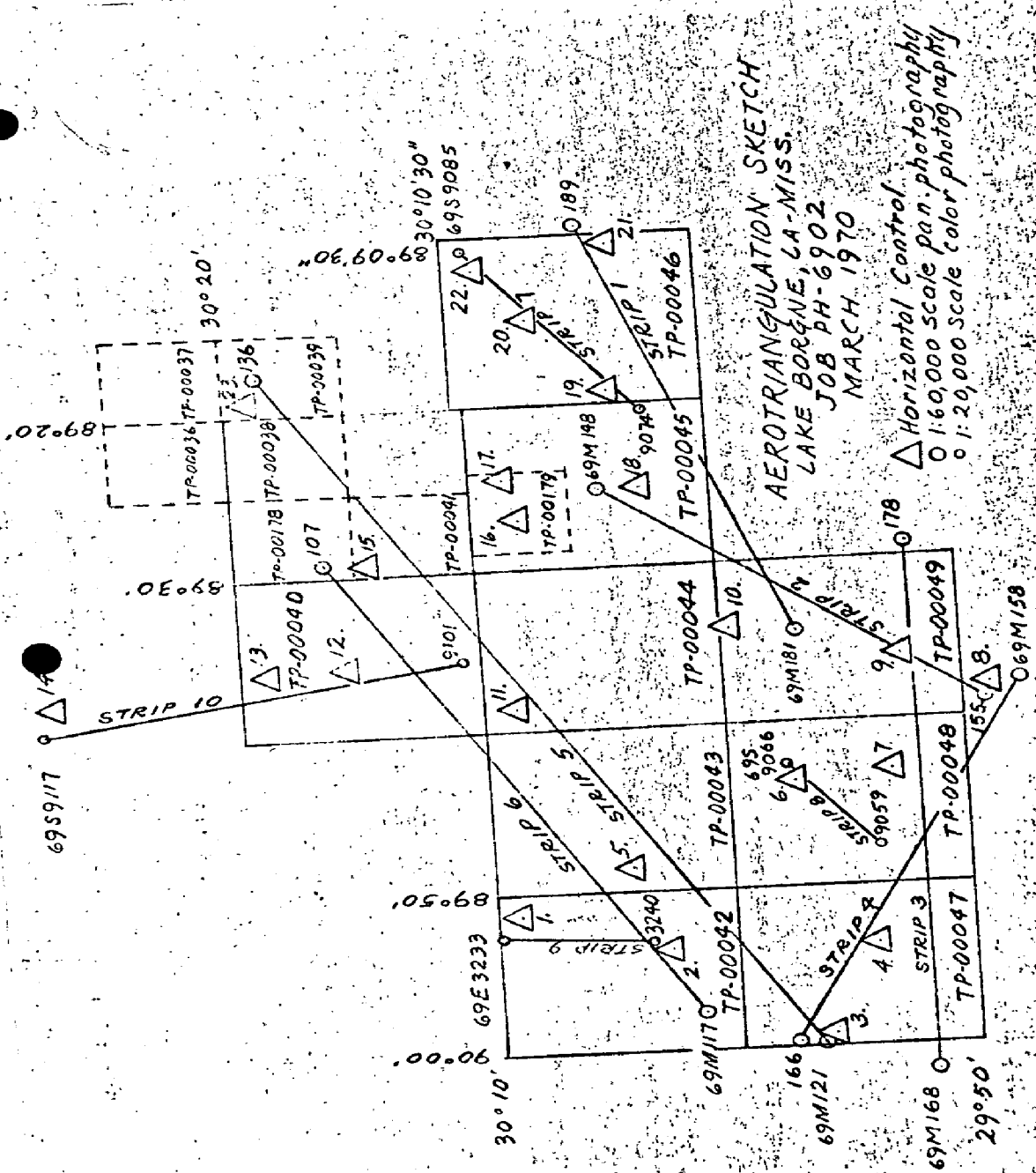
#### Strip 9

Sub. Sta. Herbes, 1931	0.0	0.0
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#### Strip 10

*Pearl RM 1, 1931	+2.2	-2.1
Log, 1958	0.0	0.0
Sub. Sta. Aaron, 1935	0.0	0.0

\*Stations not used in the strip adjustment.  
(O.I.) Office Identified natural objects.



AEROTRIANGULATION SKETCH  
LAKE BORGNE, LA-MISS.  
JOB PH-6902  
MARCH 1970

Horizontal Control  
0 1:60,000 scale pan. photography  
o 1:20,000 scale color photography

Horizontal Control

1. S.P. Herbes, 1931
2. S.P. FOLGER, 1966
3. Cholmette 3, 1966
4. S.P. Violet 2, 1966
5. S.P. Venetian Isle W.T. 1966
6. S.P. Proctor Pt. 3, 1952
7. Luce, 1934
8. S.P. Hopedale 2, 1966
9. S.P. St. Mafo, 1934
10. Biloxi Bayou 2, 1966
11. Rigg, 1934
12. Pearl R.M. 1, 1931
13. Log, 1958
14. S.P. Aaron, 1935
15. S.P. Tenn. Gas Pipeline Co. Radio Mast, 1959
16. Chuck, 1966
17. Stew, 1966
18. Blind Az. Mk. 1966
19. John 2, 1966
20. Grand Pass 3, 1966
21. Door Pt. 2, 1952
22. Enid, 1966
23. S.P. West, 1954

DESCRIPTIVE REPORT CONTROL RECORD

MAP T- TP-00047 PROJECT NO. PH-6902 SCALE OF MAP 1:20,000 SCALE FACTOR None

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR Y COORDINATE O " "	LONGITUDE OR X COORDINATE " "	N.A. 1927 - DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS (1 Ft. = 3048006 meter) FORWARD (BACK)
MARTELLO, 1966	QUAD #290894 Station #1134	NA 1927	29 56 41.74554	89 50 06.95362	1285.4 (562.1)
VIOLET 2, 1966	QUAD #290894 Station #1039	NA 1927	29 53 54.92066	89 54 07.89559	186.5 (1422.5)
ORLEANS 2, 1934	QUAD #290894 Station #1032	NA 1927	29 54 58.34400	89 54 07.89559	1691.1 (156.3)
CHALMETTE 3, 1966	QUAD #290894 Station #1010	NA 1927	29 56 31.01415	89 59 39.91601	211.8 (1397.9)
BATTERY BIENVENUE 2, 1934	QUAD #290894 Station #1002	NA 1927	29 59 06.585	89 59 39.91601	1796.5 (50.9)
VIOLET WATER TANK, 1972	Field Comp. Ozalid Print TP-00047	NA 1927	89 52 51.483	29 54 05.885	1033.9 (575.6)
MERAUX WATER TANK, 1972	Field Comp. Ozalid Print TP-00047	NA 1927	89 53 41.649	29 55 49.786	955.0 (892.5)
CHALMETTE, TV STATION	QUAD #290894 Station #1141	NA 1927	89 57 14.389	89 55 41.498	1070.5 (538.5)
WVUE MAST, 1966	QUAD #290894 Station #1139	NA 1927	89 56 59.014	89 56 59.014	202.8 (1644.7)
CHALMETTE, KAISER	QUAD #290894 Station #1139	NA 1927	29 56 25.651	89 58 44.592	1380.1 (228.3)
ALUMINUM CO. STACK, 1966	QUAD #290894 Station #1140	NA 1927	29 56 59.435	89 57 27.326	181.2 (1666.3)
WDSU MAST, 1966	QUAD #290894 Station #1140	NA 1927	89 57 27.326	89 57 27.326	1117.4 (492.3)
					1532.9 (314.5)
					1113.0 (496.2)
					443.1 (1404.4)
					1582.5 (26.4)
					789.8 (1057.6)
					1195.9 (413.2)
					1830.1 (17.4)
					732.8 (876.2)

COMPUTED BY R. White A.L. Shands	DATE March 3, 1970 June 4, 1973	CHECKED BY A. C. Rauck, Jr. L.O. Neterer	DATE March 4, 1970 June 4, 1973
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## COMPILATION REPORT

PH-6902 TP-00047

AUGUST, 1970

### 31. DELINEATION

Delineation was accomplished by use of the Wild B-8 except from  $29^{\circ} 51' 45''$  at  $89^{\circ} 54' 45''$  to  $29^{\circ} 55' 15''$  at  $89^{\circ} 55' 30''$ , which was delineated graphically. Ratios from the "M" photography were used for the Mississippi River area and color ratios for the Mississippi River - Gulf Outlet Canal area. Due to the poor quality of photographs at the edges, there was considerable difficulty in defining the shoreline.

The delineation of the Mississippi River and its adjacent urban and industrial areas was compiled at the request of Mr. Maxwell Rogers, Chief Compiler, Nautical Chart Branch, as an afterthought. This was to enable the Chart Branch to update their charts while hydro-support compilation was being initiated.

This extra, time consuming compilation was not included in the project instructions and was accomplished through a verbal request from Mr. Heywood, Chief, Quality Control and Review Group.

It is not known what value this may be to Mr. Rogers, as it has been compiled without the benefit of field inspection and may not be field edited.

32. CONTROL

See Photogrammetric Plot Report, dated April, 1970

33. SUPPLEMENTAL DATA

None.

34. CONTOURS AND DRAINAGE

Contours are inapplicable. Drainage was done from office interpretation of the photographs.

35. SHORELINE AND ALONGSHORE DETAILS

Shoreline and alongshore details were delineated from office interpretation of the photographs.

36. OFFSHORE DETAILS

None.

37. LANDMARKS AND AIDS

1 Form 76-40, Landmarks for Charting; 1 Form 76-40, Aids to Navigation for Charting; and 1 Form 76-40 Landmarks for Charting (Aeronautical Charts) were submitted to Rockville Office, March 1974, Chart Letter No. 252.

38. CONTROL FOR FUTURE SURVEYS

None

39. JUNCTIONS

A satisfactory junction was made with TP-00042 to the north and TP-00048 to the east. There is no contemporary survey to the west or south of this sheet.

40. HORIZONTAL AND VERTICAL ACCURACY

No statement.

42. - 45.

Inapplicable.

46. COMPARISON WITH EXISTING MAPS

Comparisons were made with USGS quadrangles CHALMETTE, LA, AMS 8043 IV NW, scale 1:24,000 dated 1967; BELLE CHASSE, LA, AMS 8043 IV SW, scale 1:24,000 date 1966; MATELLO CASTLE, LA, AMS 8043 IV NE, scale 1:24,000 date 1967; and DELACROIX, LA, AMS 8043 IV SE, scale 1:24,000 dated 1967.

47. COMPARISON WITH NAUTICAL CHARTS

Comparisons were made with USC&GS Charts 1271, scale 1:80,000 11th Edition Oct. 4, 1969, corrected thru N.M. 40/69; 878-SC, scale 1:40,000 2nd Edition corrected thru N.M. 30 July 27, 1968, and 497 scale 1:15,000 5th edition, Sept. 30, 1968.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None

ITEMS TO BE CARRIED FORWARD

None

Submitted by:

*Charles H Bishop*

*for* Bernice L. Barge  
Cartographic Technician

Approved for forwarding:

*J G Carlen*

Jeffrey G. Carlen, CDR, NOAA  
Chief, Coastal Mapping Division, AMC

Approved:

*Alfred C. Holmes*

Alfred C. Holmes, RADM, NOAA  
Director, Atlantic Marine Center

ADDENDUM TO THE COMPILATION REPORT

TP-00047

FIELD EDIT

Field edit was adequate. The answers to all questions asked on the ozalid were clear and concise.

The check angles for Fixes 1 and 8 do not hold. When the check angle for Fix 8 is added to the left angle and measured to the left from the center of point B it agrees very well. The check angle for Fix #1 is obviously  $39^{\circ} 59'$ , not  $40^{\circ} 59'$ , as recorded on the Field Edit Ozalid.

A.L. Shands



Jan. 29, 1974

GEOGRAPHIC NAMES

FINAL NAME SHEET

PH-6902 (Mississippi Sound, Miss.-La.)

TP-00047

Bayou Bienvenue

Bayou Ducros

Bayou Dupre

Bayou Mercier

Bayou Pollett

Bayou Villere

Belle Chasse

Braithwaite

Caernarvon

Chalmette

Chalmette Vista

Cypress Gardens

Donner Canal

Frances Place

Hi-Land

Intracoastal Waterway

Intracoastal Waterway (Alternate Route)

Lake Borgne

Martello Castle

Meraux

Mississippi River

Mississippi River-Gulf Outlet Canal

Missouri Pacific (RR)

Norman Canal

Planters Canal

Poydras

River Bend

St. Bernard Grove

St. Clair

St. Claude Heights

Scarsdale

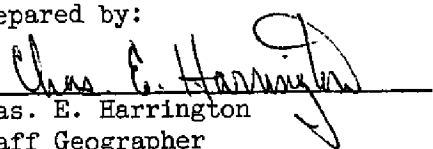
Shingle Point

Southern (RR)

Twelvemile Point

Violet

Prepared by:

  
Chas. E. Harrington

Staff Geographer

PHOTOGRAMMETRIC OFFICE REVIEW  
TP-00047

1. PROJECTION AND GRIDS FPM	2. TITLE FPM	3. MANUSCRIPT NUMBERS FPM	4. MANUSCRIPT SIZE FPM
CONTROL STATIONS			
5. HORIZONTAL CONTROL STATIONS OF THIRD-ORDER OR HIGHER ACCURACY Coradomat Auto Plotter		6. RECOVERABLE HORIZONTAL STATIONS OF LESS THAN THIRD-ORDER ACCURACY (Topographic stations) X X	
7. PHOTO HYDRO STATIONS X X			
8. BENCH MARKS X X	9. PLOTTING OF SEXTANT FIXES X X	10. PHOTOGRAMMETRIC PLOT REPORT FPM	11. DETAIL POINTS FPM
ALONGSHORE AREAS (Nautical Chart Data)			
12. SHORELINE FPM	13. LOW-WATER LINE X X	14. ROCKS, SHOALS, ETC. X X	15. BRIDGES X X
16. AIDS TO NAVIGATION FPM	17. LANDMARKS FPM	18. OTHER ALONGSHORE PHYSICAL FEATURES FPM	19. OTHER ALONGSHORE CULTURAL FEATURES FPM
PHYSICAL FEATURES			
20. WATER FEATURES FPM		21. NATURAL GROUND COVER FPM	22. PLANETABLE CONTOURS X X
23. STEREOSCOPIC INSTRUMENT CONTOURS X X	24. CONTOURS IN GENERAL X X	25. SPOT ELEVATIONS X X	26. OTHER PHYSICAL FEATURES
CULTURAL FEATURES			
27. ROADS FPM	28. BUILDINGS FPM	29. RAILROADS FPM	30. OTHER CULTURAL FEATURES FPM
BOUNDARIES			
31. BOUNDARY LINES X X		32. PUBLIC LAND LINES X X	
MISCELLANEOUS			
33. GEOGRAPHIC NAMES FPM		34. JUNCTIONS FPM	35. LEGIBILITY OF THE MANUSCRIPT FPM
36. DISCREPANCY OVERLAY FPM	37. DESCRIPTIVE REPORT FPM	38. FIELD INSPECTION PHOTOGRAPHS FPM	39. FORMS FPM
40. REVIEWER Frank P. Margiotta		Date: 2/15/74	SUPERVISOR, REVIEW SECTION OR UNIT A.C. Rauck, Jr.
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 A.L. Shands		5/31/73	
Reviewer: Frank Margiotta		2/15/74 A.C. Rauck, Jr.	
43. REMARKS Field Edit Applied From: Field edit ozalid TP-00047 field ratio prints 69E(C)3257 & 3258 and office ratio 69E(C)3265, cronaflex copy of TP-00047.			

FIELD EDIT REPORT  
TP-00047  
LAKE BORGNE, LOUISIANA-MISSISSIPPI  
PH 6902  
FEBRUARY 1973

51. METHODS

All field edit was performed in accordance with project instructions OPR468-HFP-742-72-Lake Borgne, Mississippi, dated 8/9/72.

A visual inspection was made of all shoreline and alongshore features of all compiled areas of the sheet, except that area marked on the sheet as "no edit required" by AMC personnel. Any changes to shoreline or alongshore features were delineated using sextant fixes, notes on field photos, and planetable work done on a cronaflex copy of the T-sheet.

All notes on the sheet by the field editor are in violet ink to indicate additions or changes, and in green ink to indicate deletions.

52. ADEQUACY OF COMPILATION

Compilation was adequate considering there was no field inspection. Marsh areas were properly compiled. The Mississippi River-Gulf Outlet Canal shoreline is correctly compiled except in construction areas indicated in the field edit. Four pipelines were located, one pipeline created a new pipeline canal and widened an existing pipeline canal. Two short canals for oil exploration were located along Bayou Bienvenue.

54. RECOMMENDATIONS

None.

56. GEOGRAPHIC NAMES

A complete geographic names investigation was carried out in the area. Resultant discrepancies and alterations are listed in the report by this party dated 12 January 1973.

57. LANDMARKS AND AIDS TO NAVIGATION

All landmarks were reported in this report and on forms 76-40 that were felt useful as landmarks from the Lake Borgne, Intra-coastal Waterway, and Gulf Outlet areas. Many of the landmarks were located close to the Mississippi River but these do not include all landmarks useful from the river itself.

Two tanks, one stack, six radio and TV towers, and Martello Castle were recommended to be charted as landmarks.

All but four radio towers in one group are recovered triangulation stations. Three lighted aids to navigation were recommended for charting and all were compiled on the I-sheet and verified by the field editor. The day beacon just north-east of Martello Castle was covered in the field edit of TP-00048 in 1972.

58. ADDITIONAL INFORMATION

All times mentioned refer to Greenwich Mean Time.

The field edit report for sheet TP-00048 recommended that La. Wildlife & Fisheries Commission monuments be considered for inclusion on sheets in the Lake Borgne area for future hydrographic uses. The Commission's traverse is still incomplete, rendering action on the recommendation impossible at this time.

Respectfully Submitted,



Richard D. Olson  
Lt. NOAA  
Chief, Photo Party 61

NOAA FORM 76-40 (2-71) PRESCRIBED BY PHOTOGRAMMETRY INSTRUCTION NO. 64.										U.S. DEPARTMENT OF COMMERCE-NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION									
LANDMARKS FOR CHARTS										ORIGINATING ACTIVITY									
<input checked="" type="checkbox"/> TO BE CHARTED <input type="checkbox"/> TO BE DELETED										<input type="checkbox"/> FIELD INSPECTION <input type="checkbox"/> FIELD EDIT <input checked="" type="checkbox"/> COMPILATION <input type="checkbox"/> FINAL REVIEW <input type="checkbox"/> QUALITY CONTROL AND REVIEW (See reverse for responsible personnel)									
The following objects have been inspected from seaward to determine their value as landmarks:										DATE June 4, 1973									
ORIGINATING LOCATION Coastal Mapping Division, Norfolk, Va										METHOD AND DATE OF LOCATION (See instructions on reverse of this form)									
JOB NUMBER PH- 6902 STATE: LOUISIANA SURVEY NUMBER T- TP- 00047 DATUM N.A. 1927										CHARTS AFFECTED									
CHARTING NAME										DESCRIPTION									
LATITUDE ° / ' "										LONGITUDE ° / ' "									
D.M. METERS										D.M. METERS									
MARTELLO CASTLE	Hexagonal Brick Building with Conical Roof ht=(30)	29 56	41.96	89 50	06.90	185	69E(c)3265 1/4/73	1268, 1269 1271	Verified	11/22/72	1271, 1269								
TANK	(Violet Water Tank, 1972) ht= 165(170)	29 54	05.885	89 53	11.649	1117.4	Unadjusted Field Positions	1268, 1269 1271	Triang. Rec.	11/22/72	1271, 1269								
TANK	(Meraux Water Tank, 1972) ht=162( 167)	29 55	49.786	89 55	41.498	1113.0	"	"	"	"	"								
STACK	(Chalmette Kaiser Aluminum Co. Stack, 1966) ht=500(505)	29 56	25.651	89 58	44.592	1195.9	11/14/72	878SC 1271, 1269	Triang. Rec.	1/16/73	1271, 1269								
TV TOWER	(Chalmette, TV Station WVUE Mast, 1966) ht= 1047 (1049)	29 57	14.389	89 56	59.014	1582.5	Triang. Rec.	878SC	Triang. Rec.	1/16/73	1271, 1269								
TV TOWER (S.W. of 2)	(Chalmette, TV Station WDSU Mast, 1966) ht=976(978)	29 56	59.435	89 57	27.326	732.8	Triang. Rec.	878SC	Triang. Rec.	11/8/72	1271, 1269								
RADIO TOWER	Radio Station WTIK Guyed Tower 690KHZ ht=(360)	29 57	14.30	89 57	31.03	832	69E(c)3265 2/16/73	878SC 1271, 1269	69E(c)3265	2/16/73	1271, 1269								
RADIO TOWER	Radio Station WTIK Guyed Tower 690KHZ ht=(360)	29 57	49.56	89 57	31.55	846	69E(c)3265	878SC	69E(c)3265	2/16/73	1271, 1269								
RADIO TOWER	Radio Station WTIK Guyed Tower 690KHZ ht=(360)	29 57	55.08	89 57	32.00	858	69E(c)3265	878SC	69E(c)3265	2/16/73	1271, 1269								
RADIO TOWER	Radio Station WTIK Guyed Tower 690KHZ ht=(360)	29 58	0.45	89 57	32.37	868	69E(c)3265	878SC	69E(c)3265	2/16/73	1271, 1269								

[illegible]

REVIEW REPORT TP-00047

SHORELINE

MARCH 19, 1974

61. GENERAL STATEMENT:

See Summary on page six (6) of this Descriptive Report.

No comparison print was made for this map.

62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS:

No registered topographic surveys were available for comparison.

TP-00047 Supersedes previous surveys for nautical chart construction purposes.

63. COMPARISON WITH MAPS OF OTHER AGENCIES:

A visual comparison was made with 1:24,000 USGS quadrangles CHALMETTE, LA and MARTELLO CASTLE, LA, both dated 1967, and with BELLE CHASE, LA, dated 1966. No significant differences were noted.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS:

A comparison was made with the boat sheet for Survey H-9354, 1:20,000 scale, dated 1973. This survey covered Lake Borgne shoreline only. No differences were noted.

65. COMPARISON WITH NAUTICAL CHARTS:

A comparison was made with Chart 1271, 1:80,000 scale, 16th edition, dated March 10, 1973. Charted wrecks in the Mississippi River at Lat.  $29^{\circ}55.3'$ , Long.  $89^{\circ}56.7'$ ; Lat.  $29^{\circ}54.0'$ , Long.  $89^{\circ}54.8'$ ; and Lat.  $29^{\circ}53.0'$ , Long.  $89^{\circ}57.6'$ , were not visible on the photographs. No other significant differences were noted.

66. ADEQUACY OF RESULTS AND FUTURE SURVEYS:

This map complies with Project Instructions which required only the Lake Borgne area be mapped. By verbal agreement with the Rockville Office, additional mapping was done in the Mississippi River area to accommodate the Nautical Chart Division. The entire map meets the requirements for National Standards for Map Accuracy.

Reviewed by:

*Charles H. Bishop*

Charles H. Bishop  
Cartographer

Approved for forwarding:

*Jeffrey G. Carlen*

Jeffrey G. Carlen, CDR, NOAA  
Chief, Coastal Mapping Division, AMC

Approved:

*Alfred C. Holmes*

Alfred C. Holmes, RADM, NOAA  
Director, Atlantic Marine Center

Approved:

Chief, Photogrammetric Branch      Chief, Coastal Mapping Division