

TP-00043

TP-00043

NOAA FORM 76-35

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

DESCRIPTIVE REPORT

Type of Survey ShorelineJob No. PH-6902 Map No. TP-00043Classification No. Edition No. 1

Field Edited

LOCALITY

State Mississippi - LouisianaGeneral Locality Lake BorgneLocality Alligator Point

19 69 TO 1973

REGISTRY IN ARCHIVES

DATE

MAP NOT INSPECTED IN QUALITY CONTROL PRIOR
TO REGISTRATION

DESCRIPTIVE REPORT - DATA RECORD

TP-00043

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PROJECT NO. (II): PH-6902		
FIELD OFFICE (II):		CHIEF OF PARTY
PHOTOGRAMMETRIC OFFICE (III): Atlantic Marine Center - Norfolk, VA		OFFICER-IN-CHARGE Alfred C. Holmes, Director, AMC
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 - - April 28, 1969 Field - Supplement I - Oct. 7, 1969 Field - Post Compilation - April 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): Sept. 24, 1975
GEOGRAPHIC DATUM (III): N.A. 1927	VERTICAL DATUM (III): MEAN <u>High Water</u> 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 <u> </u>	
REFERENCE STATION (III): ALLIGATOR 2, 1966		
LAT.: 30° 01' 58.85329" ✓	LONG.: 89° 43' 19.26543" ✓	<input checked="" type="checkbox"/> ADJUSTED <input type="checkbox"/> UNADJUSTED
PLANE COORDINATES (IV): 500,449.23 Ft. ✓ x = 2,509,857.32 Ft. ✓		STATE Louisiana ✓ ZONE 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.

FORM C&GS-181b
(12-61)U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEYDESCRIPTIVE REPORT - DATA RECORD
TP-00043

FIELD INSPECTION BY (II): None		DATE:
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): Coradomat Auto Plotter		DATE
PROJECTION AND GRIDS CHECKED BY (IV): Coradomat Auto Plotter		DATE
CONTROL PLOTTED BY (III): Aerotriangulation: Coradomat Auto Plotter Triangulation: A.L. Shands		DATE Nov. 19, 1970
CONTROL CHECKED BY (III): Aerotriangulation: Coradomat Auto Plotter Triangulation: B.L. Barge		DATE Nov. 19, 1970
RADIAL PLOT OR STEREOSCOPIC CONTROL EXTENSION BY (III): Donald M. Brant		DATE April, 1970
STEREOSCOPIC INSTRUMENT COMPILATION (III):	PLANIMETRY A.L. Shands	DATE June 10, 1970
	L.O. Neterer	June 10, 1970
	CONTOURS Inapplicable	DATE
MANUSCRIPT DELINEATED BY (III): A.L. Shands Reviewed by: C. Blood		DATE Dec. 7, 1970 Dec. 9, 1970
SCRIBING BY (III):		DATE
PHOTOGRAMMETRIC OFFICE REVIEW BY (III): C.H. Bishop		DATE Dec. 9, 1970
REMARKS: Field Edit By: Richard D. Olson		Date: Feb., 1973

DESCRIPTIVE REPORT - DATA RECORD
TP-00043

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CAMERA (KIND OR SOURCE) (III):

Wild RC-8 "L"

PHOTOGRAPHS (III)

NUMBER	DATE	TIME	SCALE	STAGE OF TIDE
69E(C)3354 thru 3359	Nov. 15, 1969	12:18 CST	1:40,000	0.0 ft. at MLW
69E(C)3368 thru 3371	Nov. 15, 1969	12:30 CST	1:40,000	0.0 ft. at MLW
** 69 M 124 thru 128	Nov. 15, 1969	11:10 CST	1:60,000	0.1 ft. below MLW
** Instruments models.				

Predicted TIDE (III)

Diurnal

	RATIO OF RANGES	MEAN RANGE	SPRING RANGE
REFERENCE STATION: Pensacola, Florida			1.3
SUBORDINATE STATION: Long Point, Lake Borgne, La.			1.0
SUBORDINATE STATION:			

Atlantic Marine Center
REVIEW BY (IV):

C. H. Bishop

DATE: 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 (II):	0	RECOVERED:	0	IDENTIFIED:	0

NUMBER OF RECOVERABLE PHOTO STATIONS ESTABLISHED (III): 2 Recovered*

NUMBER OF TEMPORARY PHOTO HYDRO STATIONS ESTABLISHED (III):

REMARKS:

*See Form 524, and 152 for ACME, 1952, and DEAL, 1952

HISTORY OF FIELD OPERATIONS TP 00043

I. ☐ FIELD INSPECTION OPERATION☒ FIELD EDIT OPERATION

OPERATION	NAME	DATE
1. CHIEF OF FIELD PARTY	Richard D. Olson	Feb 1973
2. HORIZONTAL CONTROL	RECOVERED BY Richard D. Olson ESTABLISHED BY Richard D. Olson PRE-MARKED OR IDENTIFIED BY N.A.	1972-73 Nov 1972
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 LOCATED (Field Methods) BY Richard D. Olson IDENTIFIED BY Richard D. Olson	Jan 73 Nov 72-Jan 73 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 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 N.A.		2. VERTICAL CONTROL IDENTIFIED N.A.	
PHOTO NUMBER	STATION NAME	PHOTO NUMBER	STATION DESIGNATION
3. PHOTO NUMBERS (Clarification of details) 69E(c)3356, 3358, 3359, 3369			
4. LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED Chef Menteur Pass, Lt 4, Lt 5, Lt 6.			
PHOTO NUMBER	OBJECT NAME	PHOTO NUMBER	OBJECT NAME
69E(c)3358	All named in #4 above		
5. GEOGRAPHIC NAMES: <input checked="" type="checkbox"/> REPORT <input type="checkbox"/> NONE		6. BOUNDARY AND LIMITS: <input type="checkbox"/> REPORT <input checked="" type="checkbox"/> 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 TP00043)

TP-00043

COMPILATION RECORD

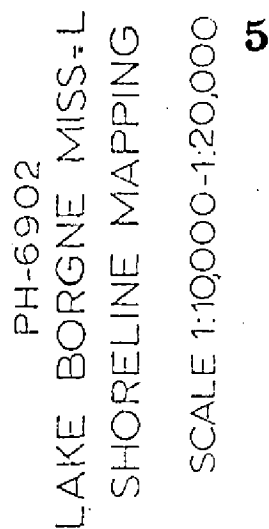
COMPLETION DATE

REMARKS

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

Spec. No. Area S. III.

Spec. No. Area S. III.



SUMMARY TO ACCOMPANY

DESCRIPTIVE REPORT TP-00043

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 the recovery, identification, and pre-marking of horizontal control required for bridging.

Compilation was by Wild B-8 Plotter, using 1:60,000 scale panchromatic photography. Points common to the 1:60,000 scale photography and 1:40,000 scale color photography were dropped to the manuscript to control ratio prints of the 1:40,000 scale photographs, which were used to supplement the instrument compilation, and also for field edit and photo-hydro support.

Field edit was done in conjunction with hydrography from Nov., 1972 to Feb., 1973.

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

FIELD INSPECTION REPORT

PH - 6902

TP-00043

There was no field inspection prior to compilation.

Shoreline Mapping, Lake Borgne, 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. Twelve 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

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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.

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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.

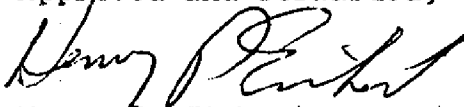
The quality of the 1:20,000 scale "S" and "E" cameras color photography was good. The 1:40,000 scale "E" camera color photography that was used mainly for ratio prints appeared to be of good quality and definition.

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.

DESCRIPTIVE REPORT CONTROL RECORD

MAP T-TP-00043 PROJECT NO. PH-6902 SCALE OF MAP 1:20,000 SCALE FACTOR None

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR Y COORDINATE LONGITUDE OR X COORDINATE	N.A. 1927 - DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS (1 ft. = 3048006 meters) FORWARD (BACK)
TEXAS COMPANY, WELL NO. 2, 1952	300893 1078	NA 1927	30°05' 45.50439" 89°40' 00.89096"	1401.2 (446.3) 23.9 (1582.7)
ALLIGATOR 2, 1966	300893 1031	NA 1927	30°01' 58.85329" 89°43' 19.26543"	1812.2 (35.3) 516.2 (1091.4)
FORT WOOD, 1855	300893 1060	NA 1927	30°03' 54.283" 89°48' 15.417"	1671.5 (176.0) 412.9 (1194.2)
VENETIAN ISLES WATER TANK, 1966	300893 1102	NA 1927	30°04' 09.96437" 89°48' 41.85863"	306.8 (1540.7) 1121.1 (486.0)
VENETIAN ISLES MICROWAVE	300893 1099	NA 1927	30°04' 10.73232" 89°48' 12.36892"	330.5 (1517.0) 331.3 (1275.7)
TOWER, 1966				
FORT PIKE AERO BEACON, PIKE R.M. 3, 1952	300893 1050	NA 1927	30°09' 58.79300" 89°44' 15.18100"	1810.4 (37.1) 406.2 (1199.2)
DACE, 1952	QUAD, 300893 #1058	NA 1927	30°04' 34.92139" 89°41' 03.54960"	1075.3 (772.2) 095.1 (1511.2)
CHIEF, MENTEUR, AT&T MICROWAVE TOWER KLV 43, 1972	FIELD POS. FIELD EDIT OZALID TP- 00043	NA 1927 Unadjusted	30°03' 59.838" 89°49' 58.398"	1842.5 (5.0) 1564.2 (42.9)

COMPUTED BY A.C. Rauck, Jr.
A.L. Shands
DATE March 3, 1970
November 19, 1970
CHECKED BY R. White
B.L. Barge
DATE March 3, 1970
November 19, 1970

COMPILATION REPORT

TP-00043

31. DELINEATION

The Wild B-8 was used. Compilation photography was taken at 1:60,000 scale with the "M" camera using panchromatic film. Points common to the 1:60,000 scale photography and 1:40,000 scale color photography were dropped to the manuscript to control ratio prints, of both scales. Ratio prints of the color photography were precessed for photo-hydro support.

There was no field inspection. Photographic coverage was adequate.

32. CONTROL

See Photogrammetric Plot Report, dated April, 1970.

33. SUPPLEMENTAL DATA

None.

34. CONTOURS AND DRAINAGE

Contours are inapplicable.

Drainage was delineated from office interpretation of the photographs.

35. SHORELINE AND ALONGSHORE DETAILS

The shoreline and all 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 to be Deleted were forwarded to the Rockville Office on March 5, 1974, Chart Letter No. 252.

38. CONTROL FOR FUTURE SURVEYS

None.

39. JUNCTIONS

There is no contemporary survey to the north. Junctions are in agreement with TP-00048 to the south, TP-00044 to the east, and TP-00042 to the west.

40. HORIZONTAL AND VERTICAL ACCURACY

No statement.

41. FIELD EDIT46. COMPARISON WITH EXISTING MAPS

Comparison has been made with USGS Quadrangles, ALLIGATOR, POINT, LA, scale 1:24,000, dated 1968, and CHEF MENTEUR, LA, scale 1:24,000 dated 1967.

47. COMPARISON WITH NAUTICAL CHARTS

A comparison was made with Chart 1268, 11 th edition, dated February 17, 1969, scale 1:80,000.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None

ITEMS TO BE CARRIED FORWARD

None

Submitted by:



A.L. Shands
Cartographer
12/7/70

Approved for forwarding:



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

Approved:



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

Jan. 28, 1974

GEOGRAPHIC NAMES

FINAL NAME SHEET

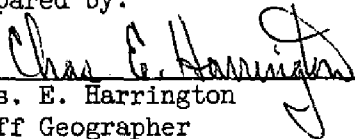
PH-6902 (Mississippi Sound, Miss.-La.)

TP-00043

Alligator Bend
Alligator Point
Bayou Catherine
Bayou Cedar
Bayou Charleaux
Bayou de Lesaire
Bayou Dupont
Bayou Martinez
Bayou Platte
Bayou Sauvage
Bayou Thomas
Big Deedie Lake
Big Magill Bayou
Big Star Bayou
Blind Bayou
Bobs Bayou
Chef Menteur
Chef Menteur Pass
Corridor Bayou
Counterfeit Pass
Deedie Bayou
Fort Macomb
Frederick Bayou
Goose Pond
Hospital Pass
Intracoastal Waterway
Lake Catherine
Lake Ponchatrain
Lake St. Catherine
Little Bayou Platte
Little Star Bayou

Louisville & Nashville (RR)
Miller Bayou
Point Catalina
St. Catherine Pass
Shell Point
The Horseshoe
Unknown Pass
Venetian Isles

Prepared by:


Chas. E. Harrington
Staff Geographer

PHOTOGRAMMETRIC OFFICE REVIEW

TP-00043

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1. PROJECTION AND GRIDS CHB	2. TITLE CHB	3. MANUSCRIPT NUMBERS CHB	4. MANUSCRIPT SIZE
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) CHB		7. PHOTO HYDRO STATIONS None
8. BENCH MARKS None	9. PLOTTING OF SEXTANT FIXES None	10. PHOTOGRAMMETRIC PLOT REPORT Bridge - WO	11. DETAIL POINTS CHB
ALONGSHORE AREAS (Nautical Chart Data)			
12. SHORELINE CHB	13. LOW-WATER LINE X	14. ROCKS, SHOALS, ETC. CHB	15. BRIDGES CHB
16. AIDS TO NAVIGATION CHB	17. LANDMARKS CHB	18. OTHER ALONGSHORE PHYSICAL FEATURES CHB	19. OTHER ALONGSHORE CULTURAL FEATURES CHB
PHYSICAL FEATURES			
20. WATER FEATURES CHB	21. NATURAL GROUND COVER CHB		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 X
CULTURAL FEATURES			
27. ROADS CHB	28. BUILDINGS CHB	29. RAILROADS CHB	30. OTHER CULTURAL FEATURES CHB
BOUNDARIES			
31. BOUNDARY LINES X X		32. PUBLIC LAND LINES X X	
MISCELLANEOUS			
33. GEOGRAPHIC NAMES CHB	34. JUNCTIONS CHB		35. LEGIBILITY OF THE MANUSCRIPT CHB
36. DISCREPANCY OVERLAY CHB	37. DESCRIPTIVE REPORT CHB	38. FIELD INSPECTION PHOTOGRAPHS None	39. FORMS
40. REVIEWER Charles H. Bishop 12/9/70		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 6/11/73 Reviewer: Frank Margiotta 2/5/74		SUPERVISOR A.C. Rauck, Jr.	
43. REMARKS Field Edit Applied From: Field edit ozalid & film Print of TP-00043 and field photos 69E(C)3358, 3359 and 3369, 3356			

FIELD EDIT REPORT
TP-00043
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. 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 this 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. A new canal nearly five miles long has been dug bypassing the Chef Menteur Pass-Intracoastal Waterway junction. This canal and numerous smaller canals and ponds nearby with associated spoil banks required considerable planetabling and revisions to the compilation. Other dredged alterations were planetabled around Ft. Macomb, and the Intracoastal Waterway near its east end on this sheet. Several cable and pipeline crossings were added to the compilation. One spoil area on the north shore of the Intracoastal Waterway was compiled as marsh (see photo 69E3358), as was an area of fast ground at the Chef Menteur Pass-Intracoastal Waterway junction.

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

One tank and two microwave towers are recommended to be charted as landmarks. Two airway commission masts noted on the T-sheet do not exist. Two lights are recommended for deletion, as they are mislocated on chart SC-878. They appear with their correct positions on a list of eight aids recommended to be charted.

58. ADDITIONAL INFORMATION

All times mentioned refer to Greenwich Mean Time.

The field edit report for sheet TP-00048 recommended that Louisiana Wildlife & Fisheries Commission monuments be considered for inclusion on sheets in the Lake Borgne area for 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				ORIGINATING ACTIVITY			
NONFLOATING AIDS OF LAND FOR CHARTS		DATE		FIELD INSPECTION		FIELD EDIT			
TO BE CHARTED		TO BE DELETED		DATE		COMPILED			
TO BE CHARTED		TO BE DELETED		DATE		FINAL REVIEW			
TO BE CHARTED		TO BE DELETED		DATE		QUALITY CONTROL AND REVIEW			
TO BE CHARTED		TO BE DELETED		DATE		(See reverse for responsible personnel)			
JOB NUMBER PH- 6902		SURVEY NUMBER T- TP- 00043		DATUM NA 1927		METHOD AND DATE OF LOCATION (See instructions on reverse of this form)		CHARTS AFFECTED	
STATE: Louisiana		DESCRIPTION		LATITUDE		LONGITUDE		FIELD INSPECTION	
CHARTING NAME		DESCRIPTION		LATITUDE		LONGITUDE		FIELD INSPECTION	
LIGHT		Light 2		30 02		12.18 375		48.85 1309	
LIGHT		Light 4		30 03		53.59 1650		18.89 506	
LIGHT		Light 5		30 03		35.46 1092		40.84 1094	
LIGHT		Light 6		30 06		02.66 82		53.86 1442	
		Intracoastal Waterway Rigolets-New Orleans							
LIGHT		Light 1		30 05		19.09 588		29.19 782	
LIGHT		Light A		30 03		09.94 306		30.46 816	
LIGHT		Light 7		30 02		45.79 1410		17.76 476	
DAY BEACON		Daybeacon B		30 03		03.05 94		38.74 1038	

[illegible]

NOAA FORM 76-40 (2-71) PRESCRIBED BY PHOTOGRAMMETRY INSTRUCTION NO. 54.				U.S. DEPARTMENT OF COMMERCE-NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION				ORIGINATING ACTIVITY <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)			
NON-REPEATING AIDS OR LANDMARKS FOR CHARTS				DATE 2/5/74							
ORIGINATING LOCATION Coastal Mapping Division, Norfolk, Va				METHOD AND DATE OF LOCATION (See instructions on reverse of this form)				CHARTS AFFECTED			
JOB NUMBER PH- 6902				DATUM N.A.1927							
STATE: Louisiana				SURVEY NUMBER T- TP- 00043							
CHARTING NAME				DESCRIPTION							
TOWER				Tower (West of 2)				1268,1269 878SC			
TANK				Tank				"			
TOWER				Tower				"			

The following objects have ~~(been)~~ been inspected from seaward to determine their value as landmarks:

REVIEW REPORT TP-00043

SHORELINE

MARCH 15, 1974

61. GENERAL STATEMENT:

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

A comparison print, showing differences noted in Par. 62 and 65, is bound with the original of this report.

62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS:

No survey was available for comparison West of Long. $89^{\circ}45'$. East of this longitude a comparison was made with Surveys T-9789 and T-9792, 1:20,000 scale, dated 1956. No difference with T-9789 was noted. Differences with T-9792 were shown in blue on the comparison print.

TP-00043 superseded previous topographic surveys for nautical chart construction purposes.

63. COMPARISON WITH MAPS OF OTHER AGENCIES:

Comparisons were made with the following USGS quadrangles, 1:24,000 scale, dated 1968: RIGOLETS, LA, CHEF MENTEUR, LA, and ALLIGATOR POINT, LA. No significant differences were noted, except that a new canal on the south side of the Intracoastal Waterway between Bayou Platte and Bayou Thomas is not shown on the USGS quadrangles.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS:

A comparison was made with the boat sheet for Survey H-9354, 1:20,000 scale, dated 1973. There were no significant differences with this survey.

65. COMPARISON WITH NAUTICAL CHARTS:

A comparison was made with Chart 878-SC, 1:40,000 scale, 7th edition, dated August 1973. Significant differences were shown in red on the comparison print.

66. ADEQUACY OF RESULTS AND FUTURE SURVEYS:

This map complies with project instructions and meets the requirements for the National Standards of Map Accuracy.

Reviewed by:

Charles H. Bishop

Charles H. Bishop
Cartographer

Approved for forwarding:

Jeff G. Carlen

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

Approved:

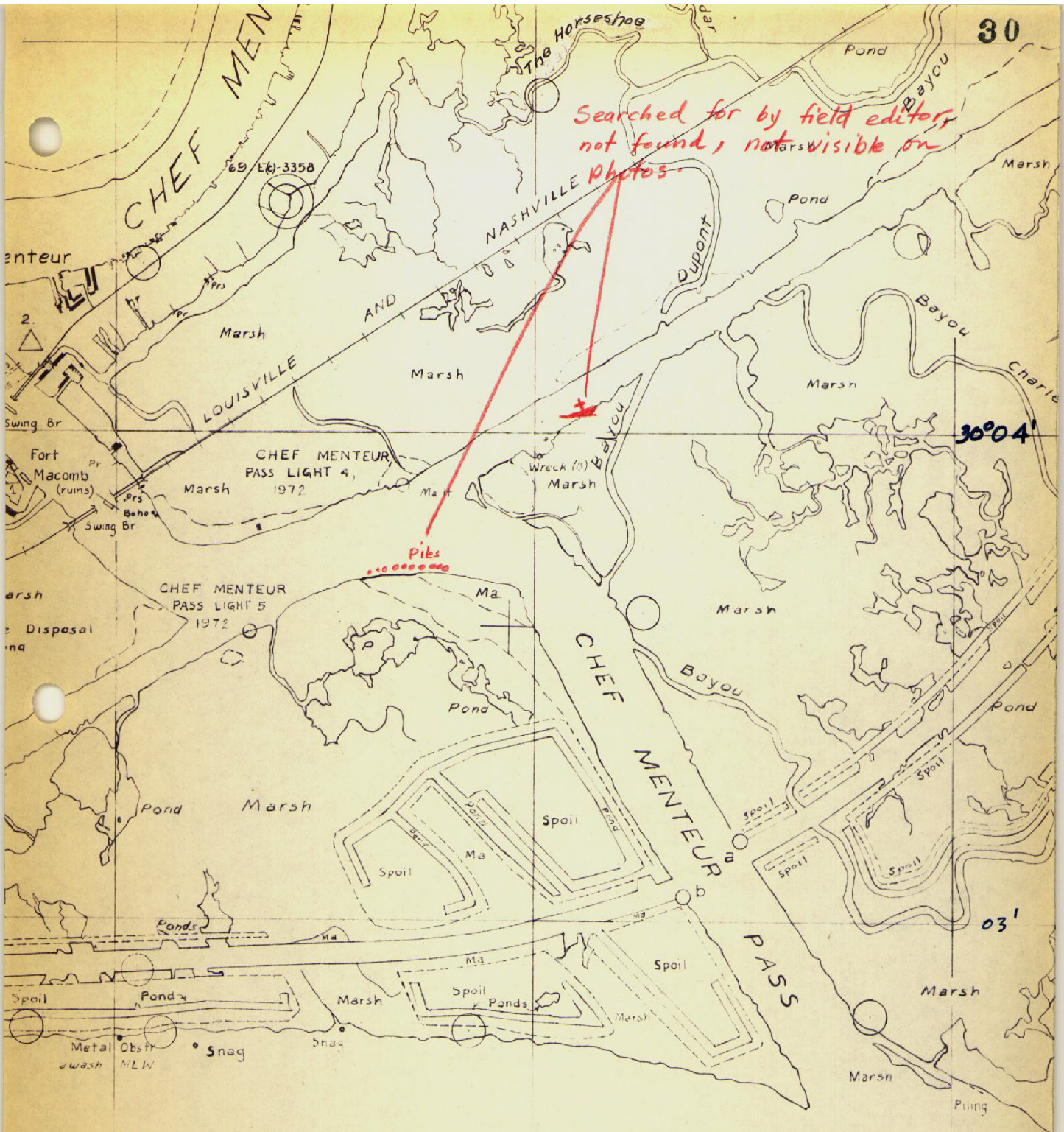
Alfred C. Holmes

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

Approved:

Chief, Photogrammetric Branch

Chief, Coastal Mapping Division



COMPARISON PRINT

Red = Chart 878 SC

ONS

NER 1966 ht=168(173)
IK 1966 ht=156(151)
OWER KLV 43, 1972 ht=150(150) FT

89°47'

TP-00043
1:20,000

69 E(c)-3368

89°44'

Catherine

31

Pond

Pond

Pond

PASS

69E(c)-3356

UNKNOWN

Fixed Bridge

Oil Well
Pipe

Marsh

12" pipe
(exposed)

Marsh

06'

E

Cable

Marsh

Marsh

12" pipe
(exposed)

Marsh

Bayou

Little

Bayou

Platte

Platte

Bayou

30°05'

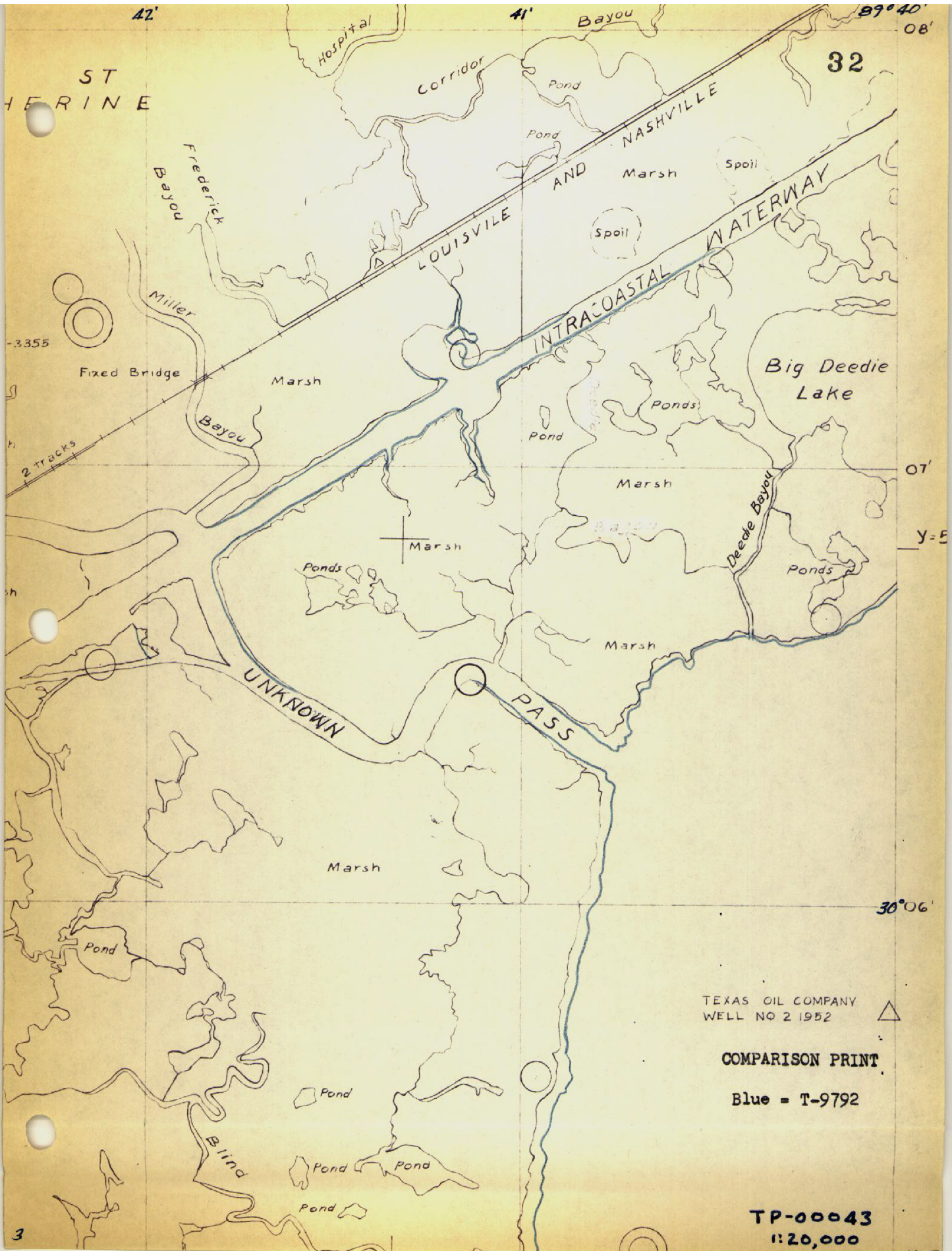
Marsh

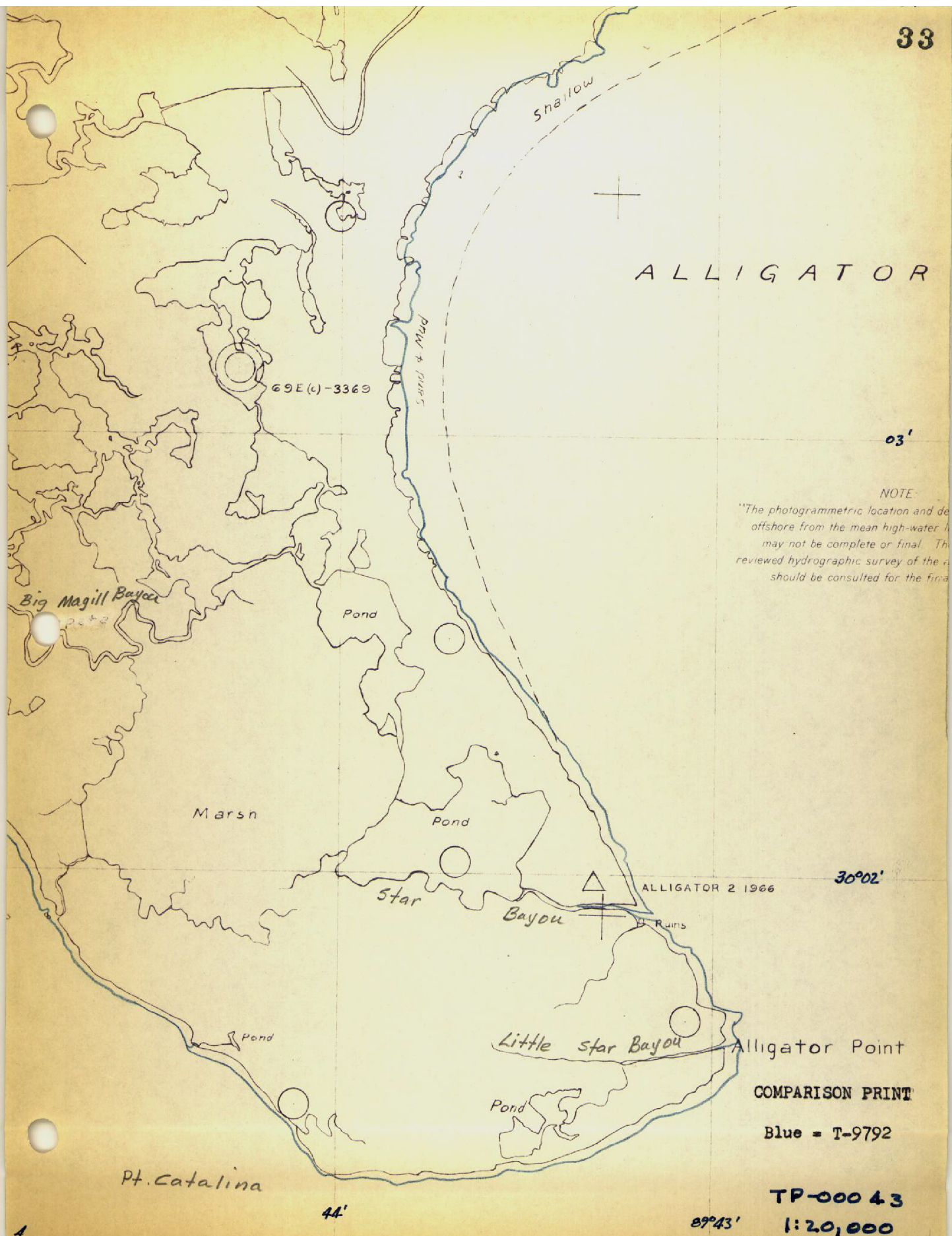
COMPARISON PRINT

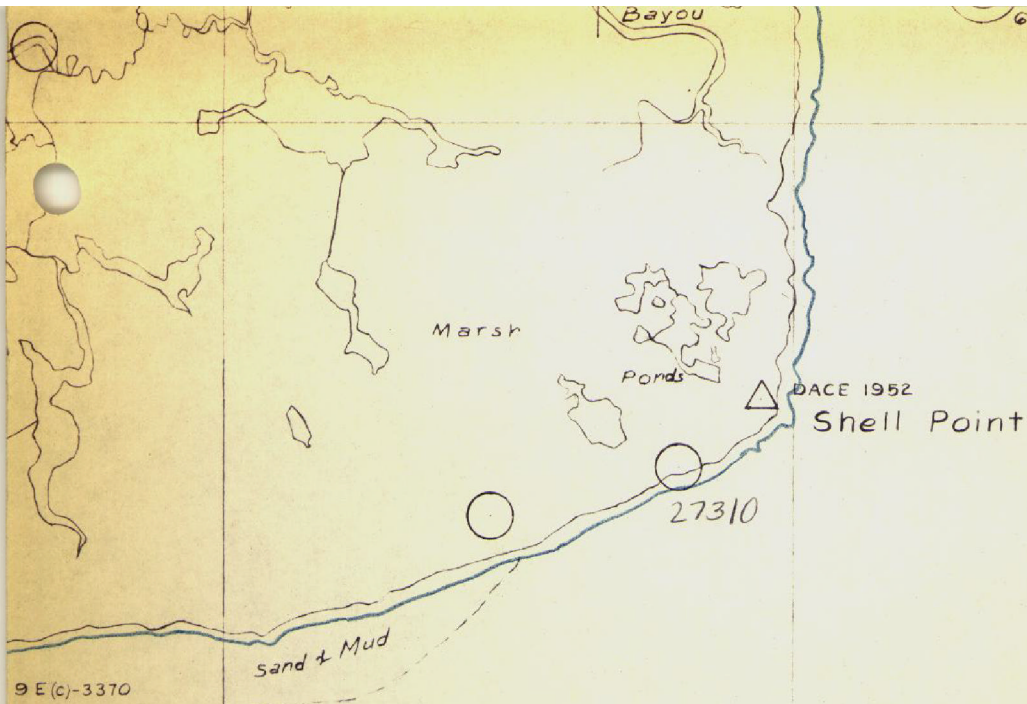
Blue = T-9792

TP-00043
1:20,000

2







89°40'

34

39°05'

(JOINSTP-00044)

9 E (C)-3370

Sand & Mud

27310

DACE 1952

Shell Point

04'



BEND

y=

03'

lineation of features
ne on this survey
e contemporary
rea where available,
/ delineation "

COMPARISON PRINT

Blue - T-9792

42'

41'

89°40'

TP-000 43
1:20,000