

TP-00036

NOAA FORM 76-35

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

DESCRIPTIVE REPORT

Type of Survey SHORELINE (PHOTOGRAMMETRIC)Job No. PH-6902 Map No. TP-00036Classification No. Edition No. 1

Field Edited

LOCALITY

State Mississippi - LouisianaGeneral Locality Lake BorgneLocality Jourdan River19 69 TO 1970

REGISTRY IN ARCHIVES

DATE

TP-00036

MAP NOT INSPECTED IN QUALITY CONTROL PRIOR
TO REGISTRATION

DESCRIPTIVE REPORT - DATA RECORD

TP-00036

OBJECT NO. (III):

PH-6902

FIELD OFFICE (II):

Pass Christian, MISS.

CHIEF OF PARTY

Dale M. Fuller

PHOTOGRAMMETRIC OFFICE (III):

Atlantic Marine Center - Norfolk, VA

OFFICER-IN-CHARGE

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
Post Compilation Field ~~No date~~ April 6, 1970
Field - April 28, 1969
Field - Supplement I - October 7, 1969
Review of Instructions - June 20, 1972

METHOD OF COMPILATION (III):

Wild B-8 Stereoplotter

MANUSCRIPT SCALE (III):

1:10,000

STEREOSCOPIC PLOTTING INSTRUMENT SCALE (III):

1:15,000 Pantographed to 1:10,000

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):

Cape Reference Mark No. 2, 1958

LAT.:

30° 22' 14.600" 449.6M

LONG.:

89° 20' 52.079" 1390.6M

☒ ADJUSTED☐ UNADJUSTED

PLANE COORDINATES (IV):

STATE

ZONE

y = 256, 406.41 Ft.

x = 337, 753.72 Ft.

Mississippi

East

AN NUMERALS INDICATE WHETHER THE ITEM IS TO BE ENTERED BY (II) FIELD PARTY, (III) PHOTOGRAMMETRIC OFFICE,
(IV) WASHINGTON OFFICE.

WHEN ENTERING NAMES OF PERSONNEL ON THIS RECORD GIVE THE SURNAME AND INITIALS, NOT INITIALS ONLY.

FORM C&GS-181b (3-66)		U.S. DEPARTMENT OF COMMERCE ENVIRONMENTAL SCIENCE SERVICES ADMINISTRATION COAST AND GEODETIC SURVEY	
DESCRIPTIVE REPORT - DATA RECORD TP-00036			
FIELD INSPECTION BY (II): None		DATE:	
MEAN HIGH WATER LOCATION (III) (STATE DATE AND METHOD OF LOCATION): Air Photo Compilation - June 3, 1969, Date of Photography. Oct. 16, 1969 (After "Camille")			
PROJECTION AND GRIDS RULED BY (IV): Coradomat Auto Plotter		DATE	
PROJECTION AND GRIDS CHECKED BY (IV): Coradomat Auto Plotter		DATE	
CONTROL PLOTTED BY (III): Coradomat Auto Plotter		DATE	
CONTROL CHECKED BY (III): Coradomat Auto Plotter		DATE	
RADIAL PLOT OR STEREOSCOPIC CONTROL EXTENSION BY (III): R.E. Fisher		DATE Oct., 1969	
STEREOSCOPIC INSTRUMENT COMPILATION (III):	PLANIMETRY L.O. Neterer	DATE Feb., 1970	
	Reviewed by: A.L. Shands	Feb., 1970	
	CONTOURS Inapplicable	DATE	
MANUSCRIPT DELINEATED BY (III): A.L. Shands		DATE Feb., 1970	
SCRIBING BY (III):		DATE	
PHOTOGRAMMETRIC OFFICE REVIEW BY (III): Compilation - C.H. Bishop Field Edit - C. Blood		DATE 3-5-70 Sept. 21, 1971	
REMARKS: Field Edit By: Dale M. Fuller Date: Dec., 1970			

FORM C&GS-181c (3-66)		U.S. DEPARTMENT OF COMMERCE ENVIRONMENTAL SCIENCE SERVICES ADMINISTRATION COAST AND GEODETIC SURVEY			
DESCRIPTIVE REPORT - DATA RECORD					
TP-00036					
CAMERA (KIND OR SOURCE) (III): Wild RC-8 "L"					
PHOTOGRAPHS (III)					
NUMBER	DATE	TIME	SCALE	STAGE OF TIDE	
* 69L(C) -9412 Thru 9414	June 3, 1969	14:36 C.S.T.	1:30,000	2.1 ft. above M.L.W.	
* 69L(C) -9469 & 9470	June 3, 1969	08:46 C.S.T.	1:30,000	1.9 ft. above M.L.W.	
69L(C) -6230 Thru -6234	Oct. 16, 1969	12:24 C.S.T.	1:20,000	0.0 ft. above M.L.W.	
69L(C) -6241 Thru -6246	Oct. 16, 1969	12:24 C.S.T.	1:20,000	0.0 ft. above M.L.W.	
69L(C) -6247 Thru -6250	Oct. 16, 1969	12:39 C.S.T.	1:20,000	0.0 ft. above M.L.W.	
69L(C) - 6260 & 6261	Oct. 16, 1969	12:39 C.S.T.	1:20,000	0.0 ft. above M.L.W.	
Predicted			TIDE (III)		Diurnal
			RATIO OF RANGES	MEAN RANGE	SPRING RANGE
REFERENCE STATION:				Tide	
Pensacola, Florida				0.6'	1.3'
SUBORDINATE STATION:					
Bay St. Louis, MISS.				0.8'	1.6'
SUBORDINATE STATION:					
Atlantic Marine Center WASHINGTON OFFICE REVIEW BY (IV):			C.H. Bishop		DATE: Jan., 1974
PROOF EDIT BY (IV):			DATE:		
NUMBER OF TRIANGULATION STATIONS SEARCHED FOR (II): 2		RECOVERED: 2	IDENTIFIED: 1		
NUMBER OF BM(S) SEARCHED FOR (II): 0		RECOVERED: 0	IDENTIFIED: 0		
NUMBER OF RECOVERABLE PHOTO STATIONS ESTABLISHED (III): 0					
NUMBER OF TEMPORARY PHOTO HYDRO STATIONS ESTABLISHED (III): 0					
REMARKS: * Photos used for booth compilation. Their centers do not appear on the manuscript.					

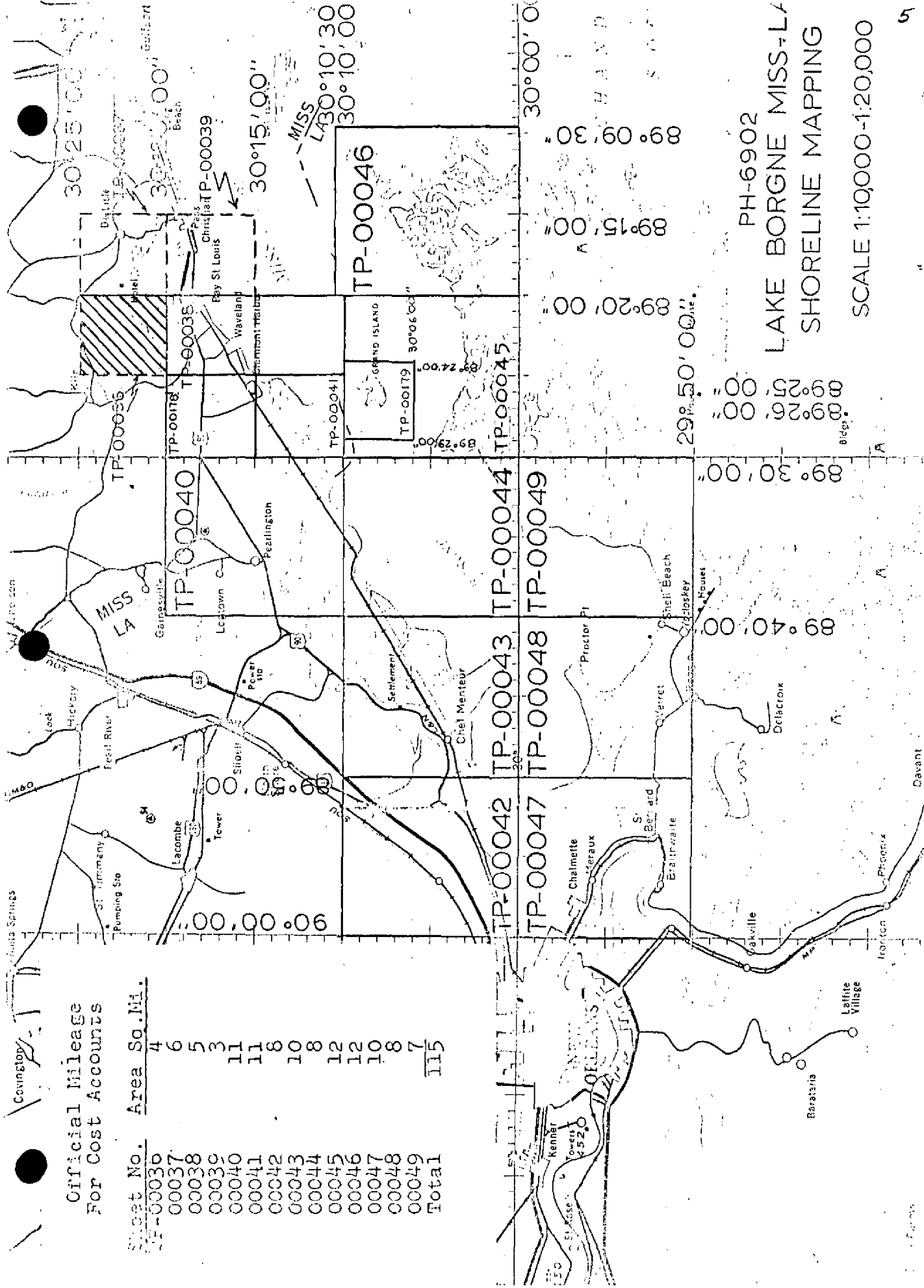
TP-00036

COMPILATION RECORD	COMPLETION DATE	REMARKS
Compilation Complete Pending Field Edit.	February, 1970	Superseded
Field Edit Applied	Sept. 1971	Superseded
Final Review	Jan. 1974	

Covington

Official Mileage For Cost Accounts

Sheet No.	Area Sq.Mi.
TP-00036	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-LA
SHORELINE MAPPING

SCALE 1:10000-120,000

SUMMARY TO ACCOMPANY

DESCRIPTIVE REPORT TP-00036

This 1:10,000 scale shoreline manuscript is one of 16 maps that comprise Project Ph-6902, Lake Borgne, MISS. - LA. It includes the lower reaches of the Jourdan River and the west side of St. Louis Bay and is entirely within the state of Mississippi.

The only field work prior to compilation was recovery and premarking of horizontal control required for aerotriangulation.

Hurricane Camille, which struck the Gulf Coast in August, 1969, caused extensive damage and shoreline changes in the mapping area. Bridging photography at 1:30,000 scale, was taken in June 1969. In general, piers and roads were compiled with the B-8 plotter, using diapositives of the bridging photographs. New photography was taken at 1:20,000 scale in October 1969. Shoreline was compiled graphically from these because they were taken after the hurricane and were of much better tonal quality.

Field edit was done in the fall of 1970.

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

The original manuscript was a stableline sheet five minutes in latitude by five minutes in longitude.

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

FIELD INSPECTION REPORT

PH - 6902

TP-00036

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-1113.

Photography was completed on 3 June 1969.

Respectfully Submitted,

Dale M. Fuller

Dale M. Fuller

Photo Party 61

Pass Christian, Miss

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

October 1969

21. Area Covered

This project dealt with an area on the Mississippi Gulf Coast in the Mississippi Sound - St. Louis Bay area. T-sheets covering this area are as follows:

1:10,000 sheets:

✓ TP-00036, TP-00037, TP-00038, TP-00039

1:20,000 sheets:

TP-00041

22. Method

Strip #1 (Photos 69-L(C)-9449-62) was bridged on the Zeiss C-8 stereoplanigraph. Strip #3 (Photographs 69-L(C)-9408-16) was bridged on the Zeiss C-5 stereoplanigraph.

Strip #2 was not bridged. It was decided that the side overlap of Strips #1 & 3 was such that the bridging of Strip #2 was unnecessary. Model 9469-70 in Strip #2 can be controlled using tie points 69-L(C)-57801, 12801, 13801, 13802, 13803 and 13804 from the other strips.

Strips #1 and #3 were adjusted using the conventional aerotriangulation strip adjustment method.

23. Adequacy of Control

The location and number of horizontal control points was adequate for both Strip #1 and Strip #3. All control was held to within acceptable limits.

Strip #1 was adjusted using five of the eight horizontal control stations in the strip. Strip #3 was adjusted using all three control stations in the strip plus tie point #65801 from Strip #1.

24. Supplemental Data

None

-2-

25. Photography

The photography for this project was acceptable but was darker than desired. Darkness became especially objectionable near the corners of the models. All of the photography suffered from this trouble.

For some reason no fiducials appeared on the photography. The fiducial lights in the camera were probably not operating at the time of photography.

Submitted,



Robert E. Fisher

Approved and forwarded,



Henry F. Eichert
Chief, Aerotriangulation
Section

DESCRIPTIVE REPORT CONTROL RECORD

MAP T. TP-00036 PROJECT NO. PH-6902 SCALE OF MAP 1:10,000 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 meter) <small>(BACK)</small>	FORWARD
Cape Reference	300892	N.A.	30° 22' 14.600"	449.6	(1398.0)
Mark No. 2, 1958	1028	1927	89° 20' 52.079"	1390.6	(211.5)
Crump, 1958	300892	N.A.	30° 21' 31.672"	975.3	(872.3)
	1031	1927	89° 24' 57.232"	1528.4	(73.9)
COMPUTED BY A.C. Rauck, Jr.	DATE Dec. 1, 1969	CHECKED BY CHB	DATE 3-5-70	=	

COMPILATION REPORT

PH-6902

TP-00036

31. DELINEATION

1:40,000 scale color diapositives were supplied for use on the Wild B-8-stereo-plotter. The tonal quality of the diapositives was very poor. They had a very dominate blue tint to them and the edges were dark. However, all roads and piers were delineated by B-8 method. Also, points were dropped common to the 1:20,000 scale color ratios which were processed for photo hydro support. Graphic compilation of the mean high water line, mean low water line, marsh and shallow limits was accomplished with the use of the 1:20,000 scale color ratios, the quality of which was very good.

The Jourdan River and Rotten Bayou could not be extended to the neat limits of the sheet because of inadequate photo coverage.

There was no field inspection.

32. CONTROL

See Photogrammetric Plot Report dated October, 1969.

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 alongshore details were delineated from office interpretation, of the photographs.

36. OFFSHORE DETAILS

None.

37. LANDMARKS AND AIDS

1 Form 76-40 Fixed Aids to be Charted were submitted to Rockville office on Feb., 1974, *Chart Letter No. 252.*

38. CONTROL FOR FUTURE SURVEYS

None.

39. JUNCTIONS

Junctions were made with TP-00037 to the east, TP-00038 (1:10,000) and TP-00041 (1:20,000) to the south. There are no contemporary surveys to the west and north.

40. HORIZONTAL AND VERTICAL ACCURACY

No statement.

46. COMPARISON WITH EXISTING MAPS

Comparisons were made with U.S.G.S. Quadrangles BAY ST. LOUIS, MISS., KILN, MISS., and WAVELAND, MISS., scale 1:24,000 and dated 1956, 1959 and 1956 respectively.

47. COMPARISON WITH NAUTICAL CHARTS

Comparisons were made with charts 876-SC DOG KEYS PASS to WAVELAND 4th edition dated Oct. 26, 1968, scale 1:40,000; and 878-SC WAVELAND to CATAHOULA BAY, 2nd edition, dated July 30, 1968.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None.

ITEMS TO BE CARRIED FORWARD

None.

Submitted by:



A.L. Shands
Cartographer
2-24-70

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-00036

Bayou Brewer

Bayou Enceinte

Bayou La Croix

Breath Bayou

Cameron Island

Catfish Bayou

Cedar Point

Cutoff Bayou

Cutoff Lake

Edwards Bayou

Joes Bayou

Jourdan Bayou

Mallini Bayou

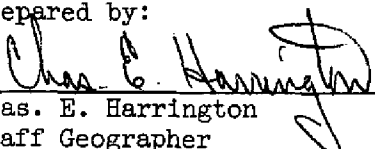
Rotten Bayou

St. Louis Bay

Umbrella Bayou

Watts Bayou

Prepared by:


Chas. E. Harrington
Staff Geographer

FORM C&GS-1002 (9-66)		U.S. DEPARTMENT OF COMMERCE ESSA COAST AND GEODETIC SURVEY	
PHOTOGRAMMETRIC OFFICE REVIEW T. P-00036			
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) X	7. PHOTO HYDRO STATIONS X	
8. BENCH MARKS X	9. PLOTTING OF SEXTANT FIXES X	10. PHOTOGRAMMETRIC PLOT REPORT Bridge - W.O.	11. DETAIL POINTS X
ALONGSHORE AREAS (Nautical Chart Data)			
12. SHORELINE CHB	13. LOW-WATER LINE CHB	14. ROCKS, SHOALS, ETC. CHB	15. BRIDGES CHB
16. AIDS TO NAVIGATION NONE	17. LANDMARKS NONE	18. OTHER ALONGSHORE PHYSICAL FEATURES CHB	19. OTHER ALONGSHORE CULTURAL FEATURES CHB
PHYSICAL FEATURES			
20. WATER FEATURES CHB	21. NATURAL GROUND COVER X	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 X	30. OTHER CULTURAL FEATURES X
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 X	37. DESCRIPTIVE REPORT CHB	38. FIELD INSPECTION PHOTOGRAPHS X	39. FORMS XHB
40. REVIEWER Charles H. Bishop	DATE 3-5-70	SUPERVISOR, REVIEW SECTION OR UNIT Albert 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 H. Gann	DATE Sept. 71	SUPERVISOR	
REVIEWER: C. Elrod	Sept. 21, 1971		
43. REMARKS Field Edit Applied From: 69-L(C) 6244 69-L(C) 6230 Field Edit Ozalid and Cronaflex			

FIELD EDIT REPORT
TP 00036
JOURDAN RIVER
PH 6902
LAKE BORGNE, MISSISSIPPI-LOUISIANA

52. ADEQUACY OF COMPILATION

Compilation was adequate considering no previous field inspection. Several piers and piling, omitted or erroneously delineated during compilation, were located by planetable in the Cedar Point area. Several piling, piers and dolphins were located by sextant fix along the Jourdan River.

54. RECOMMENDATIONS

None.

56. LANDMARKS AND AIDS TO NAVIGATION

No landmarks were recommended for this sheet.

Two aids to navigation were recommended for charting; Jourdan River Channel Dybn. 7 was located by theodolite cuts while Dybn. 9 was located by planetable cuts.

57. ADDITIONAL INFORMATION

The following color prints contain field edit notes: 69L6244 and 69L6230. All corrections to the manuscript were made in violet ink on the photographs, paper and cronaflex prints of the manuscript and indexed on the field ozalid. All triangulation stations were recovered and a Form 526 submitted for each.

Respectfully submitted,

Dale M. Fuller
Survey Technician, December, 1970

Roger P. Hewitt

Roger P. Hewitt
LTJG/NOAA
Chief, Photo Party 61

U.S. DEPARTMENT OF COMMERCE-NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION									
NONFLOATING AIDS FOR FOR CHARTS									
NOAA FORM 76-40 (2-71) PRESCRIBED BY PHOTOGRAMMETRY INSTRUCTION NO. 64.		ORIGINATING LOCATION		DATE		ORIGINATING ACTIVITY			
<input checked="" type="checkbox"/> TO BE CHARTED <input type="checkbox"/> TO BE DELETED		Coastal Mapping Division Norfolk, Va		Sept. 1971		<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) been inspected from seaward to determine their value as landmarks:		SURVEY NUMBER		DATUM		METHOD AND DATE OF LOCATION (See instructions on reverse of this form)		CHARTS AFFECTED	
JOB NUMBER		T -		N.A. 1927					
PH- 6902		TP- 00036							
STATE: Mississippi									
CHARTING NAME	DESCRIPTION	LATITUDE	LONGITUDE	FIELD INSPECTION	COMPILATION	FIELD EDIT			
		D.M. METERS	S. /	D.M. METERS		Verified			
	ST. LOUIS BAY								
DAY BEACON	Jourdan River Channel Daybeacon 7	30 20	13.247 89 20	31.390		F 3 a 10/7/70	876SC 1268		
DAY BEACON	Jourdan River Channel Daybeacon 9	30 20	1331.7 89 21	10.15		F 3 b 12/1/70	876SC 1268		
				271.2					
*	This value differs from the value on Form 76-40 dated Dec. 1970 (Field Edit). The value on this form is correct; it was checked against the position on best sheet H-9156 and the G.P. in hydrographic records. The position on H-9156 is the same as the position on TP-00036								
					C.H.B. 1/16/74				

REVIEW REPORT TP-00036

SHORELINE

JANUARY 18, 1974

61. GENERAL STATEMENT:

See Summary on page six of this descriptive report.

An ozalid comparison print, showing differences noted in Par. 62 through 64, is bound with the original of this report.

62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS:

East of Long $89^{\circ} 22' 30''$ a comparison was made with T-9379 N/2, scale 1:10,000 dated Aug., 1956 and west of Long $89^{\circ} 22' 30''$ a comparison was made with T-9788, scale 1:20,000, dated Sept., 1956. Shoreline changes were noted on the north shore of St. Louis Bay, Cutoff Lake, Bayou Enciente. Land development has added shoreline in the form of canals on the southwest side of the Jourdan River, south of the mouth of Bayou La Croix. These differences are shown in blue on the comparison print.

TP-00036 supersedes previous topographic surveys for nautical chart construction purposes.

63. COMPARISON WITH MAPS OF OTHER AGENCIES:

A comparison was made with the following U.S.G.S. Quadrangles:

WAVELAND, MISS., 1:24,000 scale dated 1956
BAY ST. LOUIS MISS., 1:24,000 scale dated 1956
KILN, MISS., 1:24,000 scale dated 1959

These maps are copies of C & GS maps listed in Par. 62; therefore, differences are the same.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS:

A comparison was made with Boat sheet H-9156, scale 1:10,000 surveyed in 1970. Wrecks at Lat. $30^{\circ} 20.3'$, Long, $89^{\circ} 22.3'$ and Lat. $30^{\circ} 20.8'$, Long $89^{\circ} 21.4'$ were not visible on photographs of the area and were not mapped on TP-00036.

65. COMPARISON WITH NAUTICAL CHARTS:

A comparison was made with Chart 876-SC, 1:40,000 scale, 8th edition, dated Sept. 2, 1972. No significant differences were noted.

66. ADEQUACY OF RESULTS AND FUTURE SURVEYS:

This map complies with project instructions and meets the requirements of the National Standards of 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

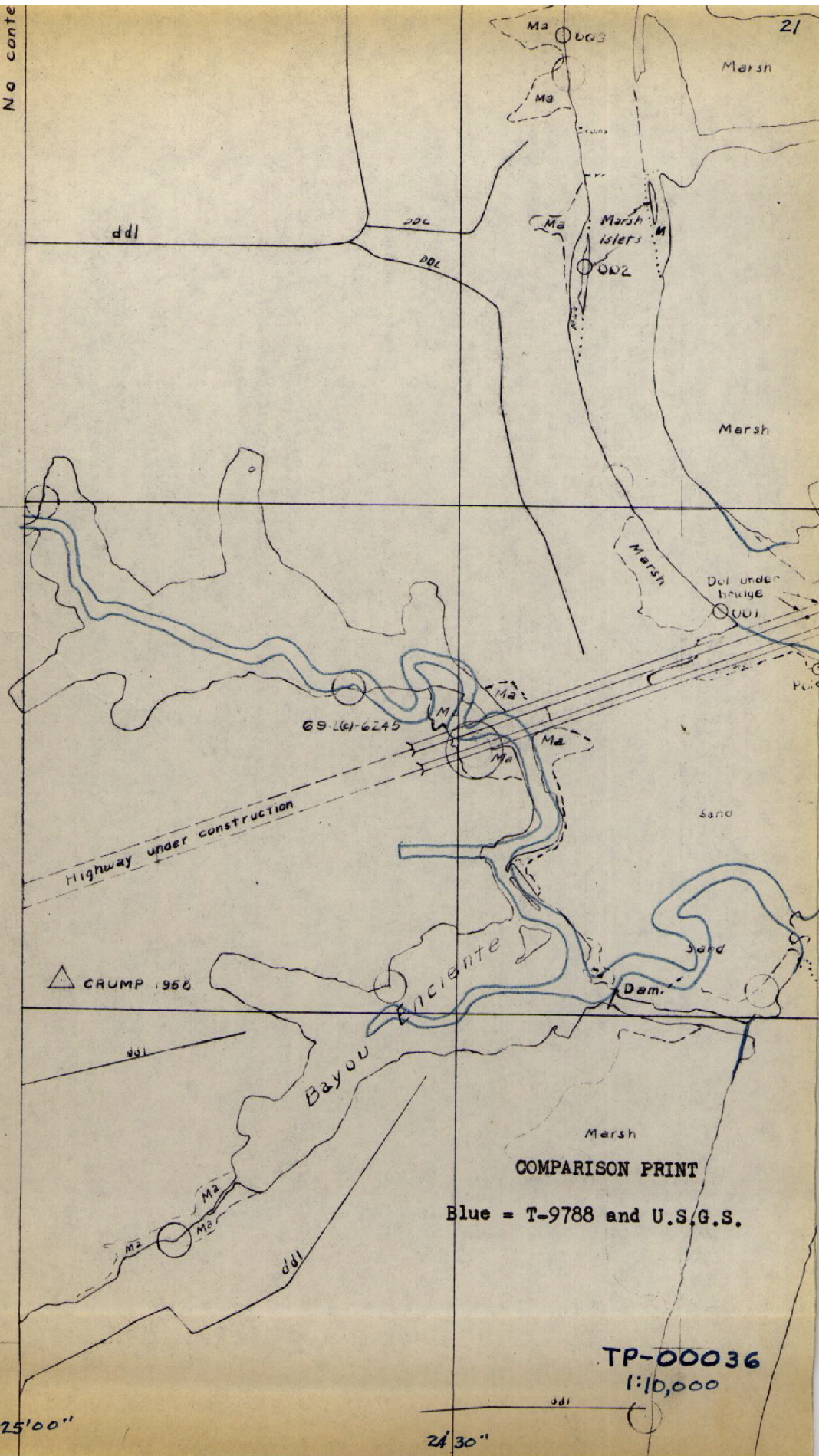
22'
y=255,000 FT.

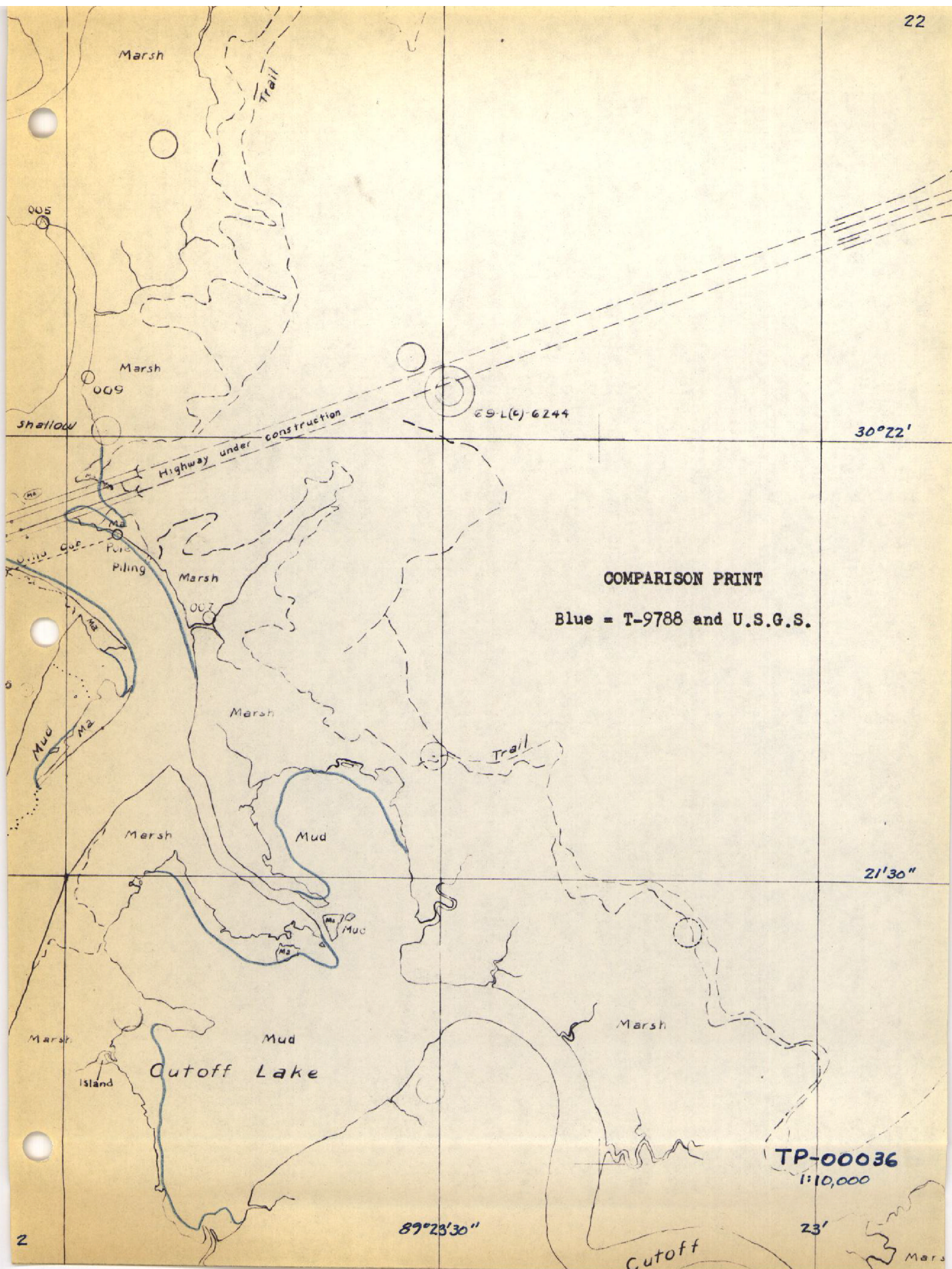
30° 21' 30"

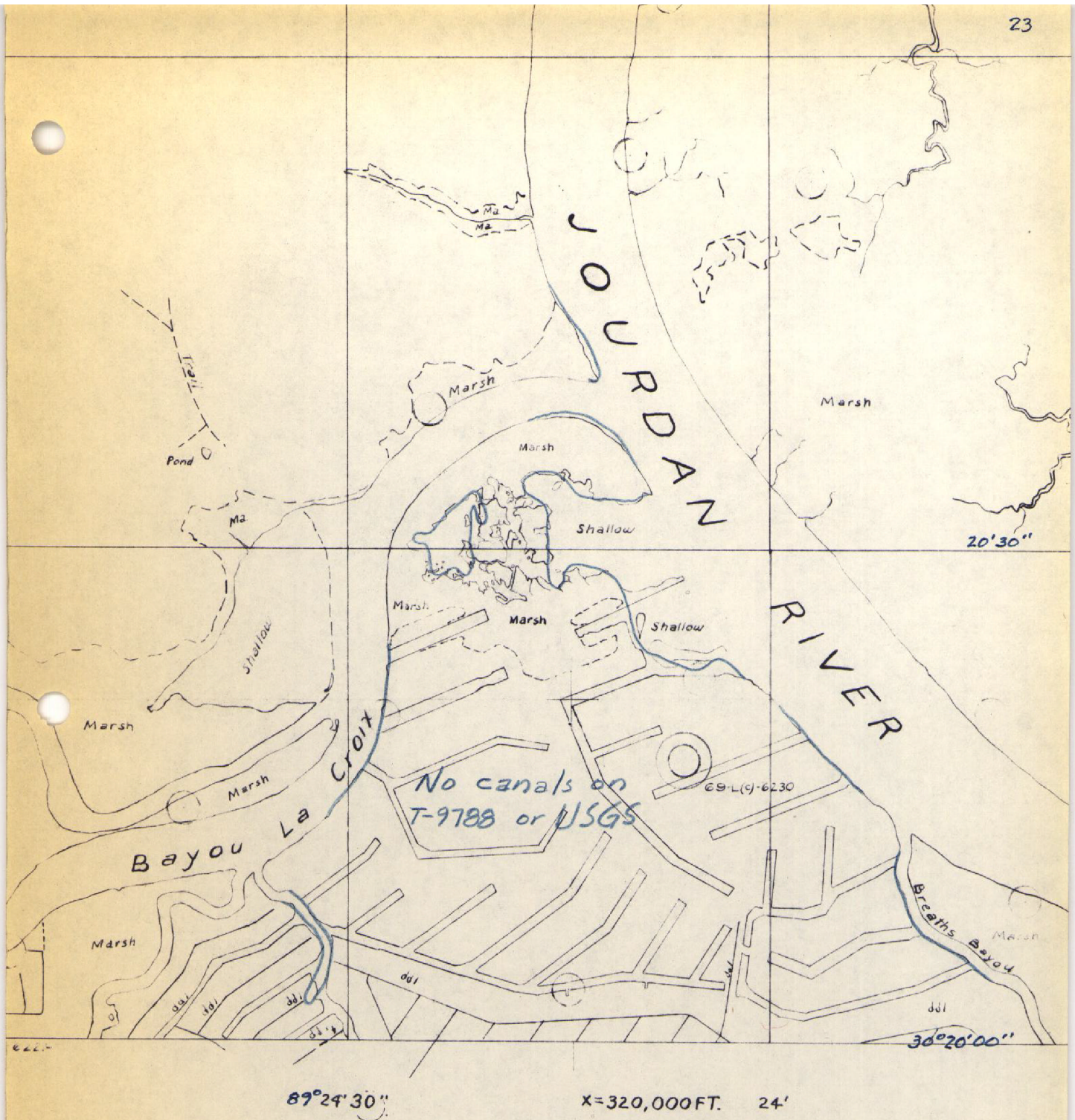
y=250,000 FT.

89° 25' 00"

No conte







COMPARISON PRINT

Blue = T-9788 and U.S.G.S.

NOTE: Unlabeled circles are photoplot points, not map features

TP-00036
1:10,000

21'

"The photogrammetric location and delineation of features offshore from the mean high-water line on this survey may not be complete or final. The contemporary reviewed hydrographic survey of the area where available, should be consulted for the final delineation."

Blue = T-9379 N/2 & U.S.G.S.
Purple = H-9156

Not visible on
photos

Wreckage
bares 1.1 ft MLW

Wk bares 2.0

Marsh

neron
and

Marsh

Watts
Bayou

Guins

Pier. ruins

Marsh

Mars

A small map showing a coastline with a bay labeled "Joes Bay". The bay is located on the left side of the map, and the coastline curves around it. The map is oriented with the bay on the left and the land on the right.

30°20'00"

22'30"

$$x = 330,000 \text{ FT.}$$

89° 22'

21' 30"

TP-00041 SCALE 1:20,000)

Date of Photography
Date of Field Inspection
Date of Field Edit
Date of Final Compilation
Date of Final Review

June and Oct, 1969
None
Dec, 70
Sept 1971
Jan 1974

TP-00036
1:10,000