

TP-00040

TP-00040

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-00040

Classification No. Edition No. 1

Field edited

LOCALITY

State Mississippi - Louisiana

General Locality Lake Borgne

Locality Pearl River

1969 TO 1972

REGISTRY IN ARCHIVES

DATE

MAP NOT INSPECTED IN QUALITY CONTROL PRIOR
TO REGISTRATION

DESCRIPTIVE REPORT - DATA RECORD

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PROJECT NO. (II):

PH-6902

FIELD OFFICE (III):

CHIEF OF PARTY

PHOTOGRAMMETRIC OFFICE (III):

OFFICER-IN-CHARGE

Atlantic Marine Center - Norfolk, VA

Alfred C. Holmes - Director

INSTRUCTIONS DATED (III) (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, 1969

Field - - Apr. 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 ~~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 ~~at low tide~~

REFERENCE STATION (III):

Pearl, 1931

LAT.:

30°14' 53.941" M.

LONG.:

89°36' 56.798" M.

☒ ADJUSTED☐ UNADJUSTED

PLANE COORDINATES (IV):

STATE

ZONE

579,224.96 Ft.

x = 2,542,298.44 Ft.

Louisiana

South

ROMAN NUMERALS INDICATE WHETHER THE ITEM IS TO BE ENTERED BY (III) FIELD PARTY, (IIII) 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

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FIELD INSPECTION BY (III): 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") Nov. 15, 1969 " "		
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):		DATE
STEREOSCOPIC INSTRUMENT COMPILATION (III):	PLANIMETRY L.O. Neterer, Jr. Reviewed: R.J. Pate	DATE 11/20/70 11/20/70
	CONTOURS Inapplicable	DATE
MANUSCRIPT DELINEATED BY (III): L.O. Neterer, Jr.		DATE 12/7/70
SCRIBING BY (III):		DATE
PHOTOGRAMMETRIC OFFICE REVIEW BY (III): LFB		DATE
REMARKS: Field edit by: Richard D. Olson Jan., 1972		

DESCRIPTIVE REPORT - DATA RECORD
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CAMERA (KIND OR SOURCE) (III):

Wild Rc-8 "L"

PHOTOGRAPHS (III)

NUMBER	DATE	TIME	SCALE	STAGE OF TIDE
69L(C)9449-9456	June 3, 1969	13:29 CST	1:30,000	2.1 ft. above MLW
69L(C)6197-6204	Oct. 16, 1969	12:10 CST	1:20,000	0.0 ft. at MLW
69L(C)6220-6227	Oct. 16, 1969	12:10 CST	1:20,000	0.0 ft. at MLW
69E(C)3350-3352	Nov. 15, 1969	12:15 CST	1:40,000	0.0 ft at MLW
*69M(P)129-132	Nov. 15, 1969	13:15 CST	1:60,000	0.2 ft below MLW
*69M(P)109-110	Nov. 15, 1969	12:55 CST	1:60,000	0.2 ft below MLW
*69S(C)9101-9110	Nov. 15, 1969	09:48 CST	1:20,000	0.7 ft above MLW
*69E(C)3376	Nov. 15, 1969	12:35 CST	1:40,000	0.0 ft at MLW

* Instrument Models.

Predicted

TIDE (III)

Diurnal

	RATIO OF RANGES	MEAN RANGE Tide	SPRING RANGE
REFERENCE STATION: Pensacola, Florida		0.6	1.3
SUBORDINATE STATION: Bay St. Louis, Mississippi		0.8	1.6
SUBORDINATE STATION:			

Atlantic Marine Center
WASHINGTON FIELD REMIFW BY (IV):

C.H. Bishop

DATE:

March, 1974

PROOF EDIT BY (IV):

DATE:

NUMBER OF TRIANGULATION STATIONS SEARCHED FOR (II): 5	RECOVERED: 5	IDENTIFIED: 3
NUMBER OF BM(S) SEARCHED FOR (II): 0	RECOVERED: 0	IDENTIFIED: 0

NUMBER OF RECOVERABLE PHOTO STATIONS ESTABLISHED (III): 2	2	2
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NUMBER OF TEMPORARY PHOTO HYDRO STATIONS ESTABLISHED (III):

REMARKS:

ESSA FORM 76-36c
(2-70)U.S. DEPARTMENT OF COMMERCE
ENVIRONMENTAL SCIENCE SERVICES ADMINISTRATION
COAST AND GEODETIC SURVEY

HISTORY OF FIELD OPERATIONS TP 00040

I. ☐ FIELD INSPECTION OPERATION☒ FIELD EDIT OPERATION

OPERATION	NAME	DATE
1. CHIEF OF FIELD PARTY	Richard D. Olson	Feb. 1972
2. HORIZONTAL CONTROL	RECOVERED BY Richard D. Olson ESTABLISHED BY Richard D. Olson PRE-MARKED OR IDENTIFIED BY n.a.	Sept. 1971 Sept. 1971
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 none LOCATED (Field Methods) BY Richard D. Olson IDENTIFIED BY Richard D. Olson	Sept. 1971 Feb. 1972
5. GEOGRAPHIC NAMES INVESTIGATION	TYPE OF INVESTIGATION <input type="checkbox"/> COMPLETE <input checked="" type="checkbox"/> SPECIFIC NAMES ONLY <input type="checkbox"/> NO INVESTIGATION BY Richard D. Olson	Feb. 1972
6. PHOTO INSPECTION	CLARIFICATION OF DETAILS BY Richard D. Olson	Feb. 1972
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) 69E3350, 3352 69S9103, 9104, 9106, 9109			
4. LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED Pearl River Light #45 Pearl River Daybeacons #44, 46, 47, 49, 50, & 51			
PHOTO NUMBER	OBJECT NAME	PHOTO NUMBER	OBJECT NAME
69S9106 69S9109	Daybeacon #44 Daybeacons #46, 47, 49, 50, 51 Light #45		
5. GEOGRAPHIC NAMES: <input type="checkbox"/> REPORT <input checked="" type="checkbox"/> NONE		6. BOUNDARY AND LIMITS: <input type="checkbox"/> REPORT <input type="checkbox"/> NONE	

7. SUPPLEMENTAL MAPS AND PLANS

Scale drawing of West Hancock County Harbor and Industrial Area

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

Pearl River Traverse
Upper Pearl River TraverseData to be forwarded to AMC
Photogrammetry CAM 51

TP-00040

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	

SUMMARY TO ACCOMPANY

DESCRIPTIVE REPORT TP-00040

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

Field work before compilation was limited to recovery, identification and premarking of horizontal control required for bridging.

Compilation was accomplished by using the Wild B-8 Plotter with 1:60,000 scale panchromatic photographs and 1:40,000 and 1:20,000 scale color photography. See Par. 31 of this Descriptive Report.

Field edit was done in conjunction with hydrography in January, 1972. Features in the vicinity of Pearlington were located by sextant fixes, using photo points for signals, and also sketched on the photographs. The photo locations were used to position these features on the map because the sextant fixes gave unreasonable locations, possibly because of misidentification of photo points.

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 cronaflex copy and a negative of the original manuscript were forwarded for record and registry.

FIELD INSPECTION REPORT

PH - 6902

TP-00040

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. ^{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, BANK, STAR, and CHLL, 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.

AEROTRIANGULATION SKETCH
LAKE BORGNE, LA-MISS.

LAKE BOZNE, CA-MISS.

JOB PH-6902

MARCH 1970

Δ Horizontal Control

- 1:60,000 scale pan. photography
- 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. Jenctian Isle With, 1966
6. S.P. Proctor Pt. 3, 1952
7. Luce, 1934
8. S.P. Hopedale 2, 1966
9. S.P. St Mayo, 1934
10. Biloxi Bayou 2, 1966
11. Rigg, 1934
12. Pearl R.M., 1931
13. Log, 1958
14. S.P. Annon, 1935
15. S.P. Tenn. Gas Pipeline Co.
Radio Mast, 1959
16. Chuck, 1966
17. Stew, 1966
18. Blind 42. Mt. 1966
19. John 2, 1966
20. Grand Pass 3, 1966
21. Door Pt. 2, 1952
22. Enid, 1966
23. S.P. West, 1954

MAP T. TP-00040

PROJECT NO. PH-6902

SCALE OF MAP 1:20,000

None
SCALE FACTOR[illegible]

COMPUTED BY

A. C. Rauck, Jr.

Mar. 2, 1970	
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CHECKED BY
R. White

DATE _____

Mar. 3, 1970

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COMPILATION REPORT

TP-00040

31. DELINEATION

Compilation was by Wild B-8 Plotter. The Pearl River area north of Lat. $30^{\circ}13'$ was compiled from 1:20,000 scale photography. The area south of that latitude was compiled from 1:60,000 scale panchromatic photographs and 1:40,000 scale color photographs. All photographs were taken on 15 November 1969.

32. CONTROL

See "Photogrammetric Plot Report," dated April, 1970.

33. SUPPLEMENTAL DATA

One (1) Blue Print: West Hancock County Harbor and Industrial Area Site Plan.

34. CONTOURS AND DRAINAGE

Contours and inapplicable.

Drainage was compiled from office interpretation of the photos.

35. SHORELINE AND ALONGSHORE DETAILS

Shoreline and alongshore details were compiled from office interpretation of the photos.

36. OFFSHORE DETAILS

None except Lights to be listed on Form 567.

37. LANDMARKS AND AIDS

1 Form 76-40, Fixed Aids to Navigation for charting, was submitted to the Rockville office Feb., 1974.

Chart Letter No. 252.

38. CONTROL FOR FUTURE SURVEYS:

Two topographic stations, namely; CAME, 1952 and BERM, 1952 were pre-marked prior to photography. These were located by aerotriangulation and plotted on the manuscript by Coradi.

39. JUNCTIONS

Junctions were made with TP-00178 and TP-00041, both 1:10,000 scale, to the East and TP-00044, 1:20,000 scale, to the south. There are no contemporary surveys to the North or West.

40. HORIZONTAL AND VERTICAL ACCURACY

No statement.

46. COMPARISON WITH EXISTING MAPS

A comparison was made with USGS Quadrangles ENGLISH LOOKOUT, LA - MISS, dated 1956, HAASWOOD, LA - MISS dated 1959, LOGTOWN, MISS dated 1958, RIGOLETS, LA dated 1968.

47. COMPARISON WITH NAUTICAL CHARTS

A comparison was made with USC & GS CHART 1268 1:80,000 scale dated Feb. 17, 1969 11th edition, and CHART 878-SC 1:40,000 scale dated Aug., 1970.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None.

ITEMS TO BE CARRIED FORWARD

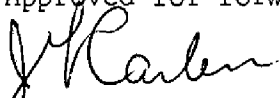
None.

Submitted by:



Lowell O. Neterer, Jr.
Cartographic Technician
Dec. 8, 1970

Approved for forwarding:



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

Approved:



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

ADDENDUM TO THE COMPILATION REPORT

TP-00040

FIELD EDIT

Field edit was adequate. All questions asked were answered clearly. However, the shore ends of OVHD cable at Lat. $30^{\circ}11.7$, Long. $89^{\circ}32.0$ were not identified by the field editor. The signals A,B,C,D,E,F,G given for the location of cultural features along the Pearl River just south of Pearlington by sextant fixes were considered to be too closely bunched to be of benefit. The features were positioned on the manuscript by photogrammetric methods.

No Form 524 could be found for Topographic station TOOK, 1971.

A.L. Shands

Jan. 28, 1974

GEOGRAPHIC NAMES

FINAL NAME SHEET

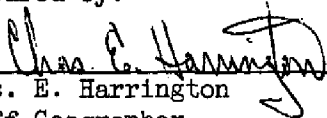
PH-6902 (Mississippi Sound, Miss.-La.)

TP-00040

Baldwin Lodge
Bayou Cowan
Bogue Homa
Browns Island
Buffalo Bayou
Campbell Inside Bayou
Campbell Island
Campbell Lagoon
Campbell Outside Bayou
Chalon Bayou
Cross Bayou
Desert Island
East Middle River
East Mouth
English Lookout
Foster Bayou
Grand Plains
Grassy Bayou
Hog Island
Honey Island Swamp
Joes Lagoon
John Cane Bayou
Johnny Three Bayou
Johns Bayou
Johnson Island
Johnson Pass
Jug Bayou
Kimmels Bayou

King Bee Bayou
Kopman Bayou
Lake Borgne
Lily Lagoon
Little Lake
Little Lake Pass
Logtown
Louisville & Nashville (RR)
Lower Black Bayou
Mill Bayou
Mulatto Bayou
Napoleon
North Pass
Old Pearl River
Pearlington
Pearl River
Pearl River Island
Plains Bayou
Poitevants Ditch
Polecat Bend
Redfish Bayou
Toumer Mill Pond
West Mouth
West Pearl River
Whites Bayou
Woody Bayou
Yousan Bayou

Prepared by:


Chas. E. Harrington
Staff Geographer

TP-00040

49-NOTES FOR THE HYDROGRAPHER

The two following topographic stations appear on this survey.

They were located by aerotriangulation, having been pre-marked prior to photography:

CAME,1952

BERM,1952

PHOTOGRAMMETRIC OFFICE REVIEW

TP-00040

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1. PROJECTION AND GRIDS LFB	2. TITLE LFB	3. MANUSCRIPT NUMBERS LFB	4. MANUSCRIPT SIZE LFB
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)	
7. PHOTO HYDRO STATIONS			
8. BENCH MARKS	9. PLOTTING OF SEXTANT FIXES	10. PHOTOGRAMMETRIC PLOT REPORT LFB	11. DETAIL POINTS *
ALONGSHORE AREAS (Nautical Chart Data)			
12. SHORELINE LFB	13. LOW-WATER LINE LFB	14. ROCKS, SHOALS, ETC. LFB	15. BRIDGES LFB
16. AIDS TO NAVIGATION LFB	17. LANDMARKS LFB	18. OTHER ALONGSHORE PHYSICAL FEATURES LFB	19. OTHER ALONGSHORE CULTURAL FEATURES LFB
PHYSICAL FEATURES			
20. WATER FEATURES LFB		21. NATURAL GROUND COVER LFB	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 LFB	28. BUILDINGS LFB	29. RAILROADS LFB	30. OTHER CULTURAL FEATURES LFB
BOUNDARIES			
31. BOUNDARY LINES X X		32. PUBLIC LAND LINES X X	
MISCELLANEOUS			
33. GEOGRAPHIC NAMES LFB		34. JUNCTIONS	35. LEGIBILITY OF THE MANUSCRIPT LFB
36. DISCREPANCY OVERLAY LFB	37. DESCRIPTIVE REPORT LFB	38. FIELD INSPECTION PHOTOGRAPHS	39. FORMS
40. REVIEWER LFB		SUPERVISOR, REVIEW SECTION OR UNIT A.C. Rauck	
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 5/18/73		SUPERVISOR	
Reviewer Frank Margiotta 1/23/74		A.C. Rauck	
43. REMARKS Field Edit Applied From: Field edit ozalid (field copy) TP-00040 and field prints of photos 69S(C)-9103, 9104, 9106 and 9109			

FIELD EDIT REPORT
TP 00040
PEARL RIVER
PH 6902
LAKE BORGNE, LOUISIANA-MISSISSIPPI

52. ADEQUACY OF COMPILATION

Compilation was adequate considering there was no previous field inspection. Several minor shoreline changes due to misinterpretation of photographs are shown on photo 69E3352. Four major shoreline changes due to dredging operations occur on this sheet. Two of these are channels dredged into the marsh for oil exploration. One of these is a channel dredged into a new port being developed on the east side of Pearl River. The remaining shoreline change is a dredged channel for a new small boat marina being developed north of Hwy. 90 on the Pearl River's east bank. All four of the dredged areas have been located by sextant fixes shown on the field edit sheet.

54. RECOMMENDATIONS

None.

56. GEOGRAPHIC NAMES

According to U.S.G.S. Quad "English Lookout" 1968 and all recent charts covering the area, LITTE LAKE as shown on TP00040 should be spelled LITTLE LAKE.

A new barge port and industrial facility are being constructed in the area of Lat. 30°13', Long. 89°35'. According to Mr. Tom Geiger, Resident Engineer for the project, the name of the facility is "West Hancock County Harbor and Industrial Area". The approximate limits of this facility are shown on the field edit ozalid.

It is recommended that this new name be included on all future charts covering this area.

57. LANDMARKS AND NONFLOATING AIDS TO NAVIGATION

There are no landmarks recommended for charting on this sheet. There are fourteen nonfloating aids to navigation recommended for charting on this sheet. Six lights were located by third order intersection. One light compiled was verified in the field. One daybeacon was located by sextant cuts, and the remaining daybeacons were located from measurements from identifiable points on photographs.

58. MISCELLANEOUS

All times mentioned on this field edit sheet refer to local standard time (time zone 6, 90° long.).

58. MISCELLANEOUS (CONTINUED)

Shoreline along the Pearl River between the northern limits of this sheet and the NASA Mississippi Test Facility, about long. 30°-21', were transferred to boat-sheet HFP 742 10-3-72 for a reconnaissance survey. A 1:10,000 scale ratio of photo 69S9110 was used to transfer the shoreline. Control used to position the photograph consisted of several existing passpoints on TP00040 and one established control point identifiable on the photograph near the northern limit of the photo. The photo used to compile this shoreline ~~was transmitted to HFP 742~~ to be retained with the hydrographic field records.

Respectively Submitted;



Richard D. Olson

LT. N.O.A.A.

Chief, Photo Party 61

U.S. DEPARTMENT OF COMMERCE-NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION									
NONFLOATING AIDS 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		5/18/73		<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:									
JOB NUMBER 6902		SURVEY NUMBER T-TP- 00040		DATUM N.A. 1927		METHOD AND DATE OF LOCATION (See instructions on reverse of this form.)		CHARTS AFFECTED	
STATE: Louisiana		DESCRIPTION		POSITION		FIELD INSPECTION		FIELD EDIT	
CHARTING NAME		LATITUDE		LONGITUDE		COMPILATION		Verified	
		0 /		0 /					
		D.M. METERS		D.M. METERS					
	EAST PEARL RIVER								
LIGHT	Entrance Channel Light 8	30 10	56.08 1727	89 31	25.69 687			F 3 a 7/6//71	1268 878SC
LIGHT	Little Lake Light 9	30 10	03.46 106	89 37	05.41 145			F 3 a 9/20/71	" "
LIGHT	Little Lake Light 13	30 10	28.48 877	89 36	15.54 416			F 3 a 9/20/71	" "
	PEARL RIVER								" "
LIGHT	Light 25	30 11	05.17 159	89 34	48.63 1301			F 3 a 9/14/71	" "
LIGHT	Light 29	30 11	59.88 1844	89 35	23.15 619			F 3 a 9/14/71	" "
LIGHT	Light 39	30 13	14.18 437	89 36	54.24 1451			F 3 a 9/27/71	" "
LIGHT	Light 45	30 18	27.05 833	89 38	22.42 599		69S(C) 9108 11/15/69	2/17/72	" "
DAY BEACON	Daybeacon 44	30 17	16.24 500	89 38	14.66 392			P. 1 2/17/72	" " 25

[illegible]

REVIEW REPORT TP-00040

SHORELINE

MARCH 1, 1974

61. GENERAL STATEMENT:

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

An ozalid comparison print, showing differences noted in Par. 62 through 65, is bound with the original of this report.

62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS:

A comparison was made with Surveys T-9789 and T-9790, both 1:20,000 scale and both dated 1956. No significant differences were noted with T-9789. Significant differences with T-9790 were shown in blue on the comparison print.

TP-00040 supersedes previous topographic surveys for nautical chart construction purposes.

63. COMPARISON WITH MAPS OF OTHER AGENCIES:

A comparison was made with the following USGS Quadrangles:

ENGLISH LOOKOUT, LA - MISS, 1:24,000 scale, dated 1956.

HAASWOOD, LA - MISS, 1:24,000 scale, dated 1959.

RIGOLETS, LA, 1:24,000 scale, dated 1968.

LOGTOWN, MISS, 1:24,000 scale, dated 1958.

Significant differences with the HAASWOOD quadrangle were shown on the comparison print in brown. No significant differences with the other quadrangles were noted.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS:

A comparison was made with the boat sheets for Surveys H-9262, 1:10,000 scale, dated 1971 and with H-9347, 1:20,000 scale, dated 1972. Significant differences were shown in purple on the comparison print.

65. COMPARISON WITH NAUTICAL CHARTS:

A visual 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. Apparently locations of daybeacons marking the Pearl River entrance channel have been changed since field edit for TP-00040 was done.

66. ACCURACY OF RESULTS AND FUTURE SURVEYS:

This map complies with project instructions and meets the requirements for 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

9

89°40'00"
0°20'00"

X=2,530,000FT

39°00"

38°00"

PEARL RIVER DAYBEACON
51, 1972

69-S(4)-9109

PEARL RIVER DAYBEACON
49, 1972

COMPARISON PRINT

Brown = U.S.G.S.

19°00"

Y=600,000FT

*Not visible on
photos;
there is no island
here.*

18°00"

Swamp
PEARL
RIVER
LT 45
1912

PEARL RIVER
DAYBEACON 46, 1972

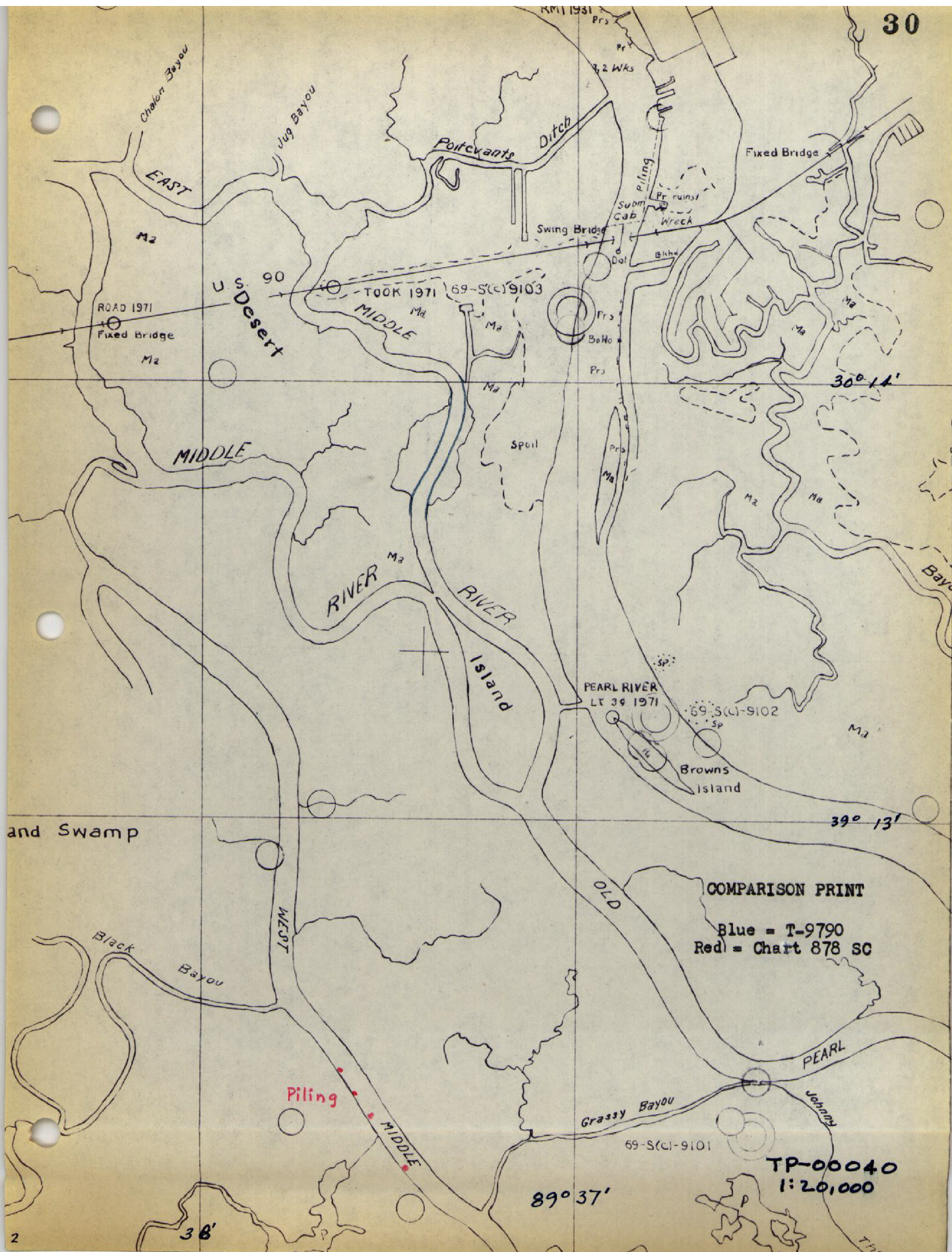
BRIG, 1971

L-03-D
1971

Fixed Bridge

Overhd cab

TP-00040
1:20,000



89°35'

34'

31'

Whites Bayou

Area under construction

30°14'

construction

CONSTRUCTION

ROAD UNDER

COMPARISON PRINT

BLUE + T-9790

Area under

39°13'

Cross Bayou

MULATTO

Jackson Landing

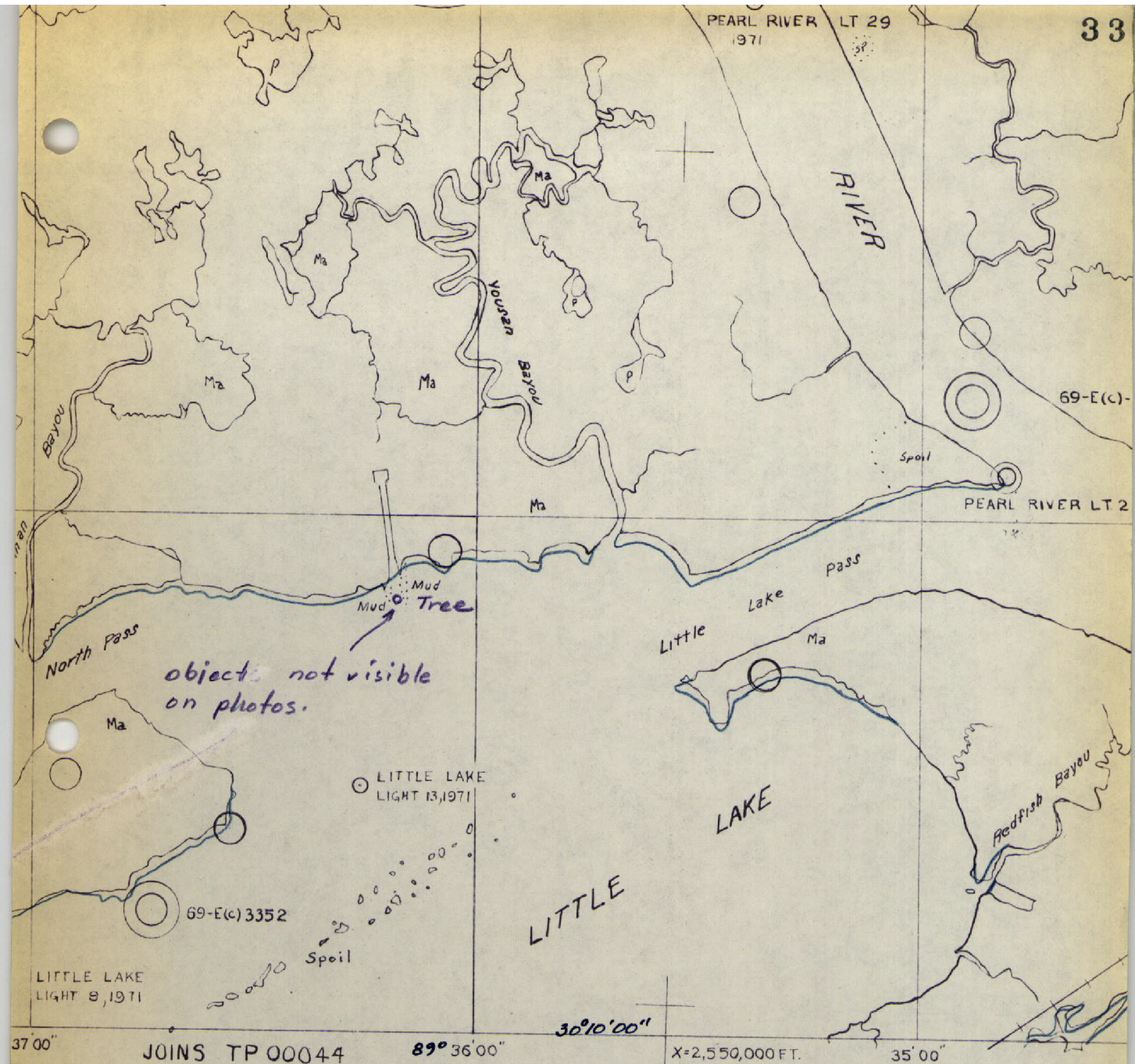
HAAS 1966

BAYOU

PEARL

RIVER

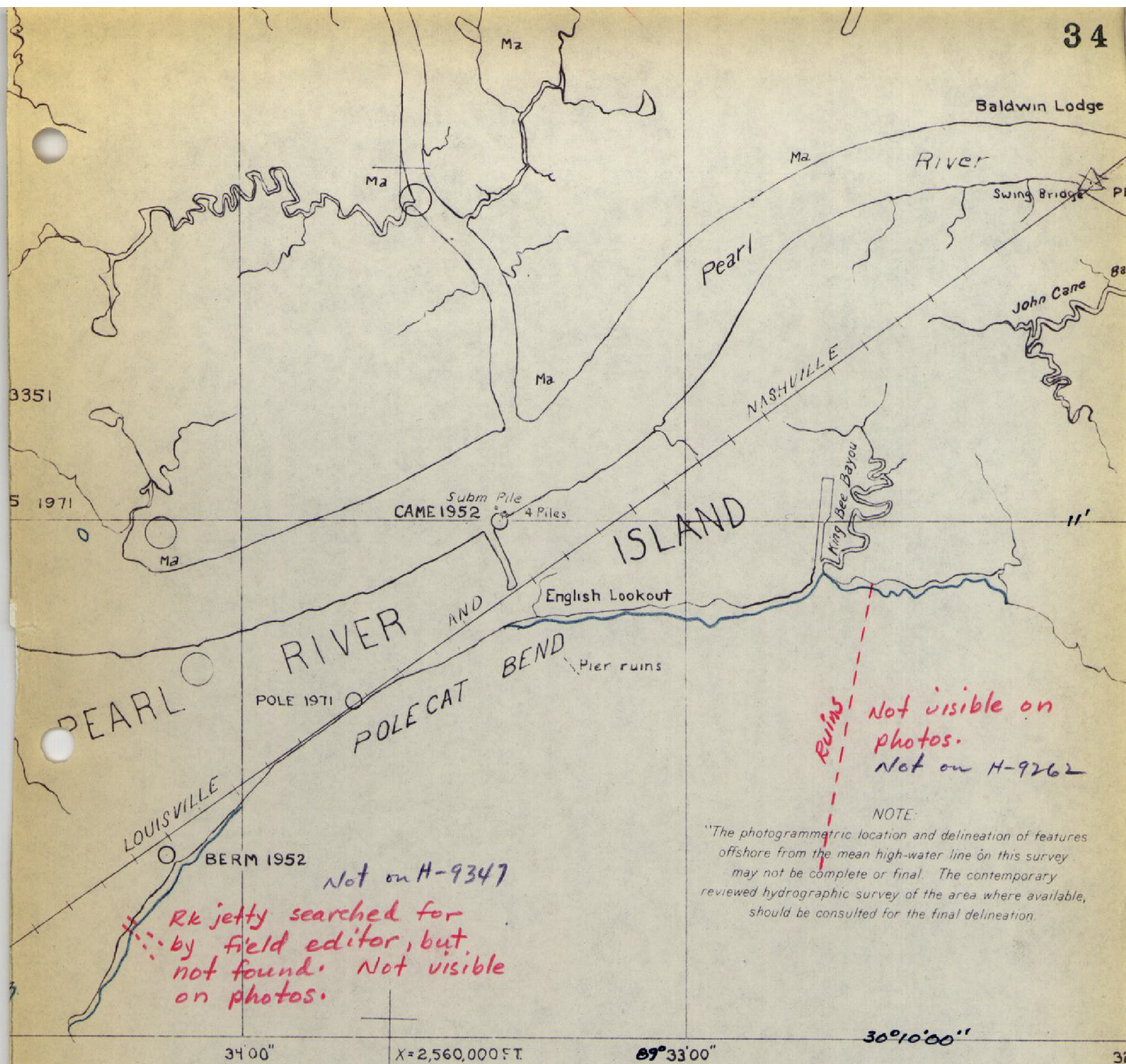
TP-000 40
1:20,000



NOTE: Unlabeled circles are photogrammetric plot points; not map features

COMPARISON PRINT
 Blue = T-9790
 Purple = H-9347

TP-00040
 1:20,000



- △ Recoverable horizontal control station of third-order or higher accuracy
- Recoverable horizontal control station of less than third order accuracy
- Approximate mean lower low water line

The light shoreline defines the outer limits of vegetation visible above approximate mean high water.

The heavy shoreline defines the approximate mean high water.

Compiled by photogrammetric methods, from aerial photographs

Date of Photography Nov. 1969

Date of Field Inspection None

Date of Field Edit Jan. 1972

Date of Final Compilation May 1973

Date of Final Review March 1974

COMPARISON PRINT

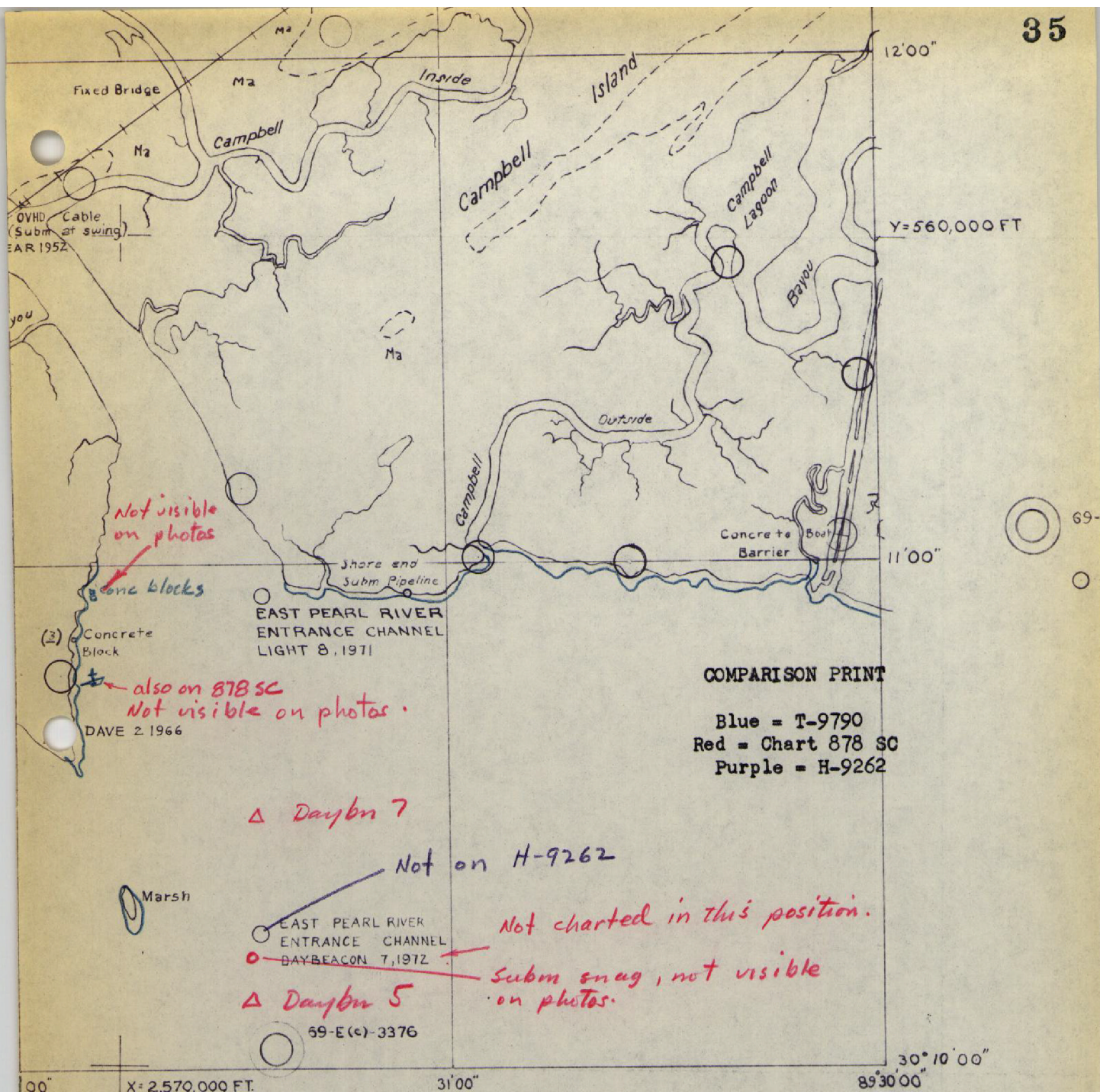
Blue = T-9790

Red = Chart 878 SC

Purple = H-9262 & H-9347

TP-00040

1:20,000



NATIONAL OCEAN SURVEY
SHORELINE MANUSCRIPT
TP-00040
MISSISSIPPI - LOUISIANA
LAKE BORGNE
PEARL RIVER

SCALE 1:20,000

(1 inch = 1666.67 ft.)

CONTROL DATA

Polyconic projection: 1927 North American Datum

10,000 foot grid based on LOUISIANA (SOUTH ZONE) Plane coordinate system

Datum plane: Mean High Water

TP-00040