

TP-00041

TP-00041

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-00041

Classification No. Edition No. 1

Field Edited

LOCALITY

State Louisiana

General Locality Lake Borgne

Locality Point Clear

19 69 TO 1971

REGISTRY IN ARCHIVES

DATE

MAP NOT INSPECTED IN QUALITY CONTROL PRIOR
TO REGISTRATION

DESCRIPTIVE REPORT - DATA RECORD

TP-00041

1

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

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
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):

1:30,000 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 ~~Low Water~~ ^{High water} 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 ~~of mean low water~~

REFERENCE STATION (III):

CLEAR 2, 1966

LAT.:

30°10' 27.58805" (849.5M)

LONG.: 89°27' 46.44430"

(1242.6 M.)

☒ ADJUSTED☐ UNADJUSTED

PLANE COORDINATES (IV):

STATE

ZONE

553,077.96 Ft.

x = 2,591,002.33 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

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TP-00041

| | | |
|--|---|--|
| 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. Nov. 15, 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 Triangulation by B. Wilson | | DATE June 20, 1970 |
| CONTROL CHECKED BY (III): Coradomat Auto Plotter C.H. Bishop | | DATE June 20, 1970 |
| RADIAL PLOT OR STEREOSCOPIC CONTROL EXTENSION BY (III): D.M. Brant | | DATE April 17, 1970 |
| STEREOSCOPIC INSTRUMENT COMPILATION (III): | PLANIMETRY R. White Check by: A. Shands | DATE Aug. 14, 1970 Aug. 17, 1970 |
| | CONTOURS Inapplicable | DATE |
| MANUSCRIPT DELINEATED BY (III): Review by LFB R. White | | DATE Sept. 10, 1970 Nov., 1970 |
| SCRIBING BY (III): | | DATE |
| PHOTOGRAMMETRIC OFFICE REVIEW BY (III): F. Margiotta | | DATE Jan. 28, 1974 |
| REMARKS: Field Edit By: Roger P. Hewitt Aug., 1971 | | |

DESCRIPTIVE REPORT - DATA RECORD
TP-00041

3

CAMERA (KIND OR SOURCE) (III):

Wild RC-8 "E"

PHOTOGRAPHS (III)

| NUMBER | DATE | TIME | SCALE | STAGE OF TIDE |
|----------------------|--------------|-------|----------|-------------------|
| 69E(C)3330 | Nov 15, 1969 | 11:56 | 1:40,000 | 0.1 ft. above MLW |
| 69E(C)3377 thru 3379 | Nov 15, 1969 | 12:30 | 1:40,000 | 0.0 ft. at MLW |

TIDE (III)

Diurnal

| | RATIO OF RANGES | MEAN RANGE | SPRING RANGE |
|---|--------------------|---------------|-----------------|
| REFERENCE STATION: Pensacola, Florida | | | 1.0 |
| SUBORDINATE STATION: Long Point Lake Borgne | | | 1.0 |
| SUBORDINATE STATION: | | | |

Atlantic Marine Center
WASHINGTON OFFICE REVIEW BY (IV):

C.H. Bishop

DATE:

Feb., 1974

PROOF EDIT BY (IV):

DATE:

NUMBER OF TRIANGULATION STATIONS SEARCHED FOR (III): 6

RECOVERED: 5

IDENTIFIED: 2

NUMBER OF BM(S) SEARCHED FOR (III):

0

RECOVERED: 0

IDENTIFIED 0

NUMBER OF RECOVERABLE PHOTO STATIONS ESTABLISHED (III): 3 Recovered *

NUMBER OF TEMPORARY PHOTO HYDRO STATIONS ESTABLISHED (III):

REMARKS:

*See Form 524 & 152 for Bang, 1952, Bile, 1952 and Envy, 1952.

TP-00041

| COMPILATION RECORD | COMPLETION DATE | REMARKS |
|---|-----------------|------------|
| Compilation Complete Pending Field Edit. | Sept. 10, 1970 | Superseded |
| Field edit applied Compilation Complete | Sept., 1971 | Superseded |
| Final Review | Feb., 1974 | |
| | | |
| | | |

| Sheet No. | Area Sq. Mi. |
|-----------|--------------|
| 1 | 1.2 |
| 2 | 1.5 |
| 3 | 1.8 |
| 4 | 2.1 |
| 5 | 2.4 |
| 6 | 2.7 |
| 7 | 3.0 |
| 8 | 3.3 |
| 9 | 3.6 |
| 10 | 3.9 |
| 11 | 4.2 |
| 12 | 4.5 |
| 13 | 4.8 |
| 14 | 5.1 |
| 15 | 5.4 |
| 16 | 5.7 |
| 17 | 6.0 |
| 18 | 6.3 |
| 19 | 6.6 |
| 20 | 6.9 |
| 21 | 7.2 |
| 22 | 7.5 |
| 23 | 7.8 |
| 24 | 8.1 |
| 25 | 8.4 |
| 26 | 8.7 |
| 27 | 9.0 |
| 28 | 9.3 |
| 29 | 9.6 |
| 30 | 9.9 |
| 31 | 10.2 |
| 32 | 10.5 |
| 33 | 10.8 |
| 34 | 11.1 |
| 35 | 11.4 |
| 36 | 11.7 |
| 37 | 12.0 |
| 38 | 12.3 |
| 39 | 12.6 |
| 40 | 12.9 |
| 41 | 13.2 |
| 42 | 13.5 |
| 43 | 13.8 |
| 44 | 14.1 |
| 45 | 14.4 |
| 46 | 14.7 |
| 47 | 15.0 |
| 48 | 15.3 |
| 49 | 15.6 |
| 50 | 15.9 |
| 51 | 16.2 |
| 52 | 16.5 |
| 53 | 16.8 |
| 54 | 17.1 |
| 55 | 17.4 |
| 56 | 17.7 |
| 57 | 18.0 |
| 58 | 18.3 |
| 59 | 18.6 |
| 60 | 18.9 |
| 61 | 19.2 |
| 62 | 19.5 |
| 63 | 19.8 |
| 64 | 20.1 |
| 65 | 20.4 |
| 66 | 20.7 |
| 67 | 21.0 |
| 68 | 21.3 |
| 69 | 21.6 |
| 70 | 21.9 |
| 71 | 22.2 |
| 72 | 22.5 |
| 73 | 22.8 |
| 74 | 23.1 |
| 75 | 23.4 |
| 76 | 23.7 |
| 77 | 24.0 |
| 78 | 24.3 |
| 79 | 24.6 |
| 80 | 24.9 |
| 81 | 25.2 |
| 82 | 25.5 |
| 83 | 25.8 |
| 84 | 26.1 |
| 85 | 26.4 |
| 86 | 26.7 |
| 87 | 27.0 |
| 88 | 27.3 |
| 89 | 27.6 |
| 90 | 27.9 |
| 91 | 28.2 |
| 92 | 28.5 |
| 93 | 28.8 |
| 94 | 29.1 |
| 95 | 29.4 |
| 96 | 29.7 |
| 97 | 30.0 |
| 98 | 30.3 |
| 99 | 30.6 |
| 100 | 30.9 |

PH-6902
LAKE BORGNE MISS-L
SHORELINE MAPPING

SCALE 1:100,000-1:20,000

5

LAKE BORGNE MISS-L.
SHORELINE MAPPING

SCALE 1:10,000-1:20,000

SUMMARY TO ACCOMPANY

DESCRIPTIVE REPORT TP-00041

This 1:10,000 scale shoreline manuscript is one of 16 maps that comprise Project PH-6902, Lake Borgne, MISS - LA. The diagram on page 5 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 graphic, using 1:10,000 scale ratio prints of 1:40,000 scale color photography controlled by pass points transferred from the 1:60,000 scale bridging photography. See Par. 31 of the Compilation Report bound with this Descriptive Report.

Field edit was done in August, 1971.

The original manuscript was a stabilene sheet 5 minutes in latitude by 5 minutes in longitude.

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

FIELD INSPECTION REPORT

PH-6902

TP-00041

There was no field inspection prior to compilation.

Shoreline Mapping, Lake Berne, 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.

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.

-2-

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 |

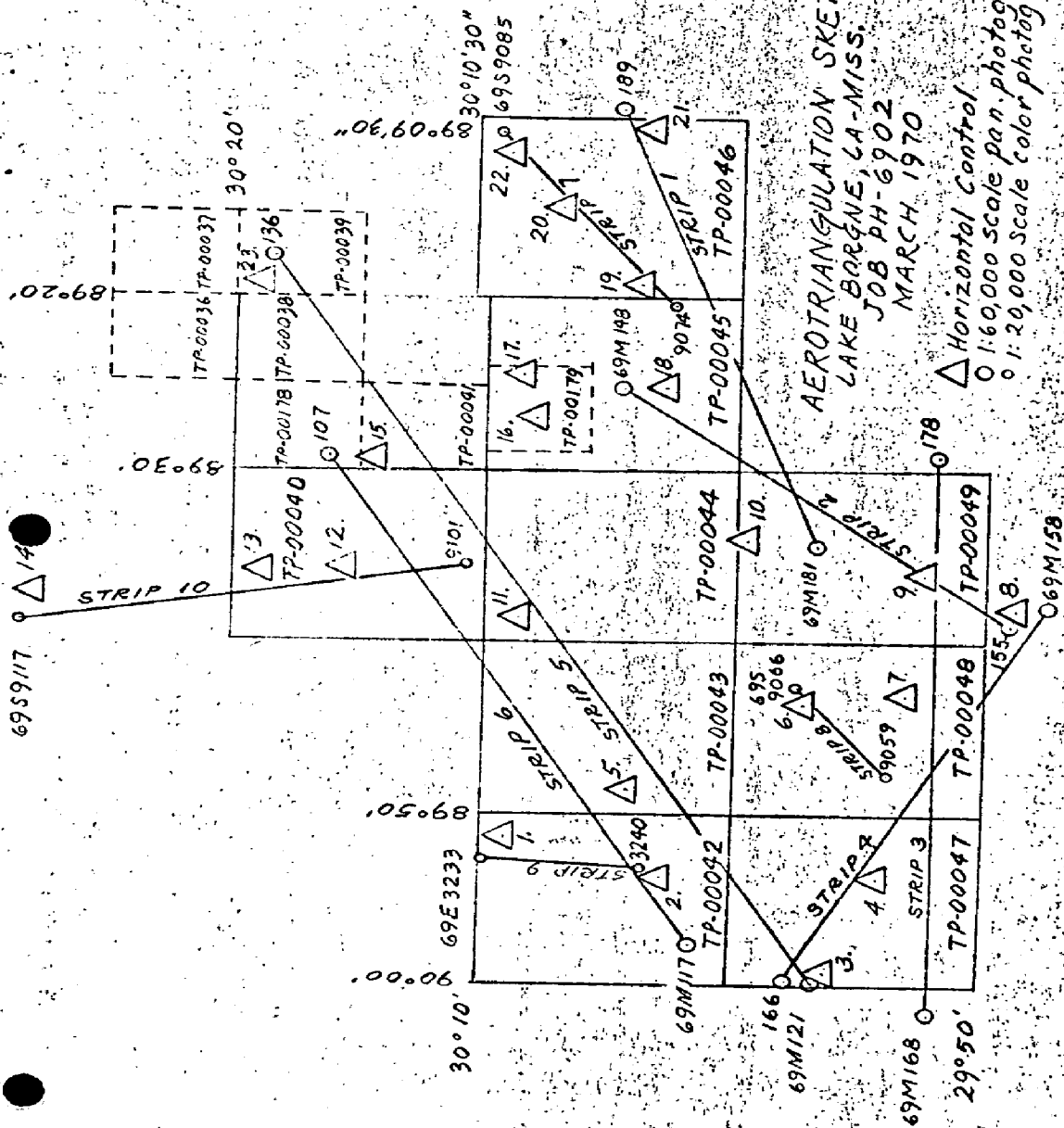
Strip 9

| | | |
|------------------------|-----|-----|
| Sub. Sta. Herbes, 1931 | 0.0 | 0.0 |
|------------------------|-----|-----|

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.



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 H.T. 1966
6. S.P. Proctor Pt. 3, 1952
7. Luce, 1934
8. S.P. Hopedale 2, 1966
9. S.P. St. Marks, 1934
10. Biloxi Bayou 2, 1966
11. Riggs, 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

SCALE FACTOR

| COMPUTED BY | DATE | CHECKED BY | DATE |
|-----------------|--------------|------------|--------------|
| A.C. Rauck, Jr. | Mar. 3, 1970 | R. White | Mar. 3, 1970 |

COMPILATION REPORT

TP-00041

31. DELINEATION

The Wild B-8 was used to transfer pass points common to the 1:60,000 scale bridging photography and the 1:40,000 scale compilation photography to a 1:20,000 scale worksheet. The coordinatograph was used to scale the positions of the pass points from the 1:20,000 scale worksheet and plot them on the 1:10,000 scale manuscript. The pass points were identified on the 1:10,000 scale ratio prints of the compilation photography. The map was then compiled graphically, using the 1:10,000 scale ratios.

The photography was of poor quality.

There was no field inspection prior to compilation.

32. CONTROL

See Photogrammetric Plot Report dated April, 1970.

33. SUPPLEMENTAL DATA

None.

34. CONTOURS AND DRAINAGE

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

35. SHORELINE AND ALONGSHORE DETAILS

See item #31.

36. OFFSHORE DETAILS

None.

37. LANDMARKS AND AIDS

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

Chart Letter No. 252.

38. CONTROL FOR FUTURE SURVEYS

Three recoverable topographic stations are within the limits of the manuscript. Form 524's were submitted.

New positions for these stations were determined by the analytical bridge

39. JUNCTIONS

Junctions were made with 1:20,000 scale manuscripts TP-00040 to the west and TP-00045 to the south, west of Longitude $89^{\circ} 29' 00''$.

Also with 1:10,000 scale maps TP-00178 to the north and TP-00179 to the south, east of Longitude $89^{\circ} 29' 00''$. There is no contemporary survey to the east.

40. HORIZONTAL AND VERTICAL ACCURACY

No statement.

41. FIELD EDIT46. COMPARISON WITH EXISTING MAPS

A comparison was made with U.S.G.S. Quadrangle GRAND ISLAND PASS, MISS - LA, scale 1:24,000 dated 1956.

47. COMPARISON WITH NAUTICAL CHARTS

A comparison was made with chart 878-SC WAVELAND to CATAHOULA BAY, scale 1:40,000. 2nd edition, dated July 27, 1968.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None

ITEMS TO BE CARRIED FORWARD

None

Submitted by:

Richard R. White

Richard R. White
Cartographic Technician
Sept. 10, 1970

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

Jan. 28, 1974

GEOGRAPHIC NAMES

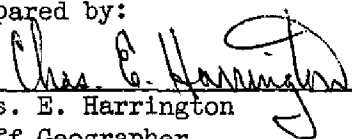
FINAL NAME SHEET

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

TP-00041

| | |
|------------------------|-----------------------------|
| Ansley | Lighthouse Point |
| Bayou Bolan | Louisville & Nashville (RR) |
| Bayou Caddy | Mississippi Sound |
| Bayou Toncre | Peters Ditch |
| Brush Bayou | Point Clear |
| Bryan Bayou | Point Clear Island |
| Campbell Inside Bayou | Redfish Bayou |
| Campbell Island | St. Joe Pass |
| Campbell Outside Bayou | St. Joseph Point |
| Cedar Island | Shrimp Bayou |
| Heron Bay | Sportsmens Lakes |
| Heron Bay Bayou | Three Oaks Bayou |
| Heron Bay Point | Turkey Bayou |
| Lakeshore | |
| Landmark Bayou | |
| Lighthouse Bayou | |

Prepared by:


Chas. E. Harrington
Staff Geographer

49-NOTES FOR THE HYDROGRAPHER

Three recoverable topographic stations fall within this sheet.
They are as follows: BANG,1952, BILE,1952, ENVY,1952.

Chart 878SC shows a wreck or ruin near St. Joseph Island Light.
Verify these and locate on photo ,if possible.

Chart also shows a derrick at approximately 30 12 50 and
89 26 25. Verify and give position.

PHOTOGRAMMETRIC OFFICE REVIEW
T. TP-00041

21

| | | | |
|---|--------------------------------|--|---|
| 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 LFB | 9. PLOTTING OF SEXTANT FIXES | 10. PHOTOGRAMMETRIC PLOT REPORT LFB |
| 11. DETAIL POINTS LFB | | | |
| 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 | 17. LANDMARKS | 18. OTHER ALONGSHORE PHYSICAL FEATURES LFB | 19. OTHER ALONGSHORE CULTURAL FEATURES LFB |
| PHYSICAL FEATURES | | | |
| 20. WATER FEATURES | | 21. NATURAL GROUND COVER | 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 | 28. BUILDINGS | 29. RAILROADS | 30. OTHER CULTURAL FEATURES |
| BOUNDARIES | | | |
| 31. BOUNDARY LINES X X | | 32. PUBLIC LAND LINES X X | |
| MISCELLANEOUS | | | |
| 33. GEOGRAPHIC NAMES LFB | | 34. JUNCTIONS LFB | 35. LEGIBILITY OF THE MANUSCRIPT LFB |
| 36. DISCREPANCY OVERLAY LFB | 37. DESCRIPTIVE REPORT LFB | 38. FIELD INSPECTION PHOTOGRAPHS | 39. FORMS |
| 40. REVIEWER LFB | | NOV. 5, 1970 | |
| SUPERVISOR, REVIEW SECTION OR UNIT | | | |
| 41. REMARKS (See attached sheet) | | | |
| FIELD COMPLETION ADDITIONS AND CORRECTIONS TO THE MANUSCRIPT | | | |
| 42. Additions and corrections furnished by the field completion survey have been applied to the manuscript. The manuscript is now complete except as noted under item 43. | | | |
| COMPILED L.L. Graves | | SEPT. 15, 1971 | |
| REVIEWER C.E. Blood | | SEPT. 27, 1971 | |
| 43. REMARKS Field Edit Applied From: Field Edit Ozalid TP-00041, Photo No. 69E(C)3378 and 69E(C)3379 | | | |

FIELD EDIT REPORT
TP 00041
POINT CLEAR
PH 6902
LAKE BORGNE, LOUISIANA-MISSISSIPPI

52. ADEQUACY OF COMPILATION

Compilation was adequate considering no previous field inspection. Several offshore obstructions were located by sextant fix and listed on the field ozalid. Shoreline and cultural features at Lower Point Clear were clarified and delineated on the field ozalid and photo 69E3378. The derrack shown on chart 878 SC no longer exists. Triangulation station delineated ANSLEY RM 2 ERDL 1959 should be simply ANSLEY ERDL 1959; the reference mark also has a first order position determined upon request of ERDL.

54. RECOMMENDATIONS

None.

56. GEOGRAPHIC NAMES

The spelling of SPORTMENS or SPORTMEN LAKES was investigated thoroughly. All parties contacted stated that SPORTMEN LAKES was the correct spelling. The following persons were among those contacted:

Charles Breath of Bay St. Louis, boat dealer and resident of area for 66 years.

Tally Raborn of Waveland, Exec. Director Hancock Co. Chamber of Commerce and resident of area for 50 years.

Tom Geigler of Bay St. Louis, Hancock Co. Port and Harbor Commission and resident of area for 58 years.

57. LANDMARKS AND AIDS TO NAVIGATION

There were no landmarks and six aids to navigation, located by theodolite cuts from triangulation stations, recommended for charting. Five of the aids, three lights and two day beacons, are now marking Bayou Caddy Channel. St. Joseph Island Light was located in March 1971, and relocated in August 1971; it is subject to frequent destruction by barges and the Coast Guard will rebuild as close to the "charted position" as they can by sextant and depth positioning.

58. ADDITIONAL INFORMATION

All corrections to the manuscript were made in violet ink on the photographs and ozalid and indexed on the field ozalid. Three topographic stations were recovered in good condition. Six triangulation stations were recovered and a Form 526 submitted for each.

Respectfully submitted,

Roger P. Hewitt

Roger P. Hewitt August, 1971
LTJG/NOAA
Chief, Photo Party 61

| U.S. DEPARTMENT OF COMMERCE-NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION | | | | | | | | | | ORIGINATING ACTIVITY | |
|---|-------------------------------|---------------------------|--------|--------------------|--------|---|--|-------------|--|--|--|
| NONFLOATING AIDS OR LANDMARKS FOR CHARTS | | | | | | | | | | <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) | |
| JOB NUMBER PH- 6902 | | SURVEY NUMBER T- 00041 | | DATE Jan. 1974 | | METHOD AND DATE OF LOCATION (See instructions on reverse of this form) | | | | CHARTS AFFECTED | |
| STATE: Mississippi | | DESCRIPTION | | POSITION | | FIELD INSPECTION | | COMPILATION | | FIELD EDIT Verified | |
| CHARTING NAME | | LATITUDE | | LONGITUDE | | FIELD INSPECTION | | COMPILATION | | FIELD EDIT Verified | |
| | | ° / ' " DM. METERS | | ° / ' " DM. METERS | | | | | | | |
| BAYOU CADDY CHANNEL | | | | | | | | | | | |
| LIGHT | Light 1 | 30 13 | 51.270 | 89 24 | 07066 | | | | | F 3 a 3/30/71 | |
| DAY BEACON | Daybeacon 2 | 30 14 | 1578.7 | 89 24 | 188.9 | | | | | 878SC 1268 | |
| DAY BEACON | Daybeacon 3 | 30 14 | 03.617 | 89 24 | 25.15 | | | | | " | |
| LIGHT | Light 4 | 30 14 | 111.4 | 89 24 | 672.5 | | | | | " | |
| LIGHT | Light 5 | 30 14 | 10.577 | 89 24 | 45.977 | | | | | " | |
| | | 30 14 | 325.7 | 89 25 | 1229.1 | | | | | " | |
| | | 30 14 | 21.536 | 89 25 | 01.098 | | | | | " | |
| | | 30 14 | 663.1 | 89 25 | 29.2 | | | | | " | |
| | | 30 14 | 17.198 | 89 25 | 28.138 | | | | | " | |
| | | 30 14 | 529.6 | 89 25 | 752.4 | | | | | " | |
| LIGHT | St. Joseph Island Light 22 | 30 11 | 03.746 | 89 25 | 33.448 | | | | | F 3 a 8/3/71 | |
| | | | 115.4 | 89 25 | 894.8 | | | | | 878SC 1268 | |
| | | | | | | | | | | 24 | |

REVIEW REPORT TP-00041

SHORELINE

FEBRUARY 24, 1974

61. GENERAL STATEMENT:

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

An ozalid comparison print, showing differences noted in Par. 62, 64 and 65 is bound with the original of this report.

62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS:

A comparison was made with Survey T-9791, 1:10,000 scale, dated 1956. Significant differences were shown in blue on the comparison print.

Three canals on the north side of Bayou Caddy in the vicinity of Lakeshore and a large north-south canal west of Heron Bay were not constructed at the time T-9791 was mapped.

TP-00041 supersedes previous topographic surveys for nautical chart construction purposes.

64. COMPARISON WITH MAPS OF OTHER AGENCIES:

A comparison was made with USGS Quadrangle GRAND ISLAND PASS, MISS - LA, scale 1:24,000 dated 1956. This map was copied from T-9791; therefore, differences are the same.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS:

A comparison was made with the boat sheet for H-9199, scale 1:10,000, dated 1971, and with the boat sheet for H-9262 (Heron Bay), scale 1:10,000, dated 1971. Significant differences were shown in purple on the comparison print.

In the vicinity of Point Clear and mouth of Bayou Caddy, soundings encroach upon the land area. Shoreline in this area was mapped from photographs taken of Nov. 15, 1969. Either the shoreline eroded between the time of photography and the time of hydrography or the soundings are incorrectly positioned; the reviewer has no way of knowing which is the case.

A group of soundings about 600 meters west of the mouth of Bayou Caddy, on the north side, indicates that a basin was constructed since photography, and therefore is not mapped on TP-00041.

A wreck near the mouth of Three Oaks Bayou, reported by the field editor, was not located on the boat sheet by the hydrographer. The field editor's method of location was by a 3-point fix. The check angle didn't check by several degrees. During final review it was found that if the left and right angles were reversed, the check angle would check the position. The wreck was positioned on TP-00041 by this method. Nothing was visible on the photos in the area. The location is doubtful.

65. COMPARISON WITH NAUTICAL CHARTS:

A comparison was made with Chart 878-SC 1:40,000 scale, 7th edition, dated June 30, 1973. Significant differences were shown on the comparison print in red.

66. ADEQUACY OF RESULTS AND FUTURE SURVEYS:

This map complies with Project Instructions and meets the requirements for National Standards of Map Accuracy.

Review:

Charles H. Bishop

Charles H. Bishop
Cartographer

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

Approved:

Chief, Photogrammetric Branch

Chief, Coastal Mapping Division

y=570,000FT.

LOUISVILLE

13'

(TP-00040)

30°12'30"

y=565,000FT.

Campbell
Island

89°30'00"

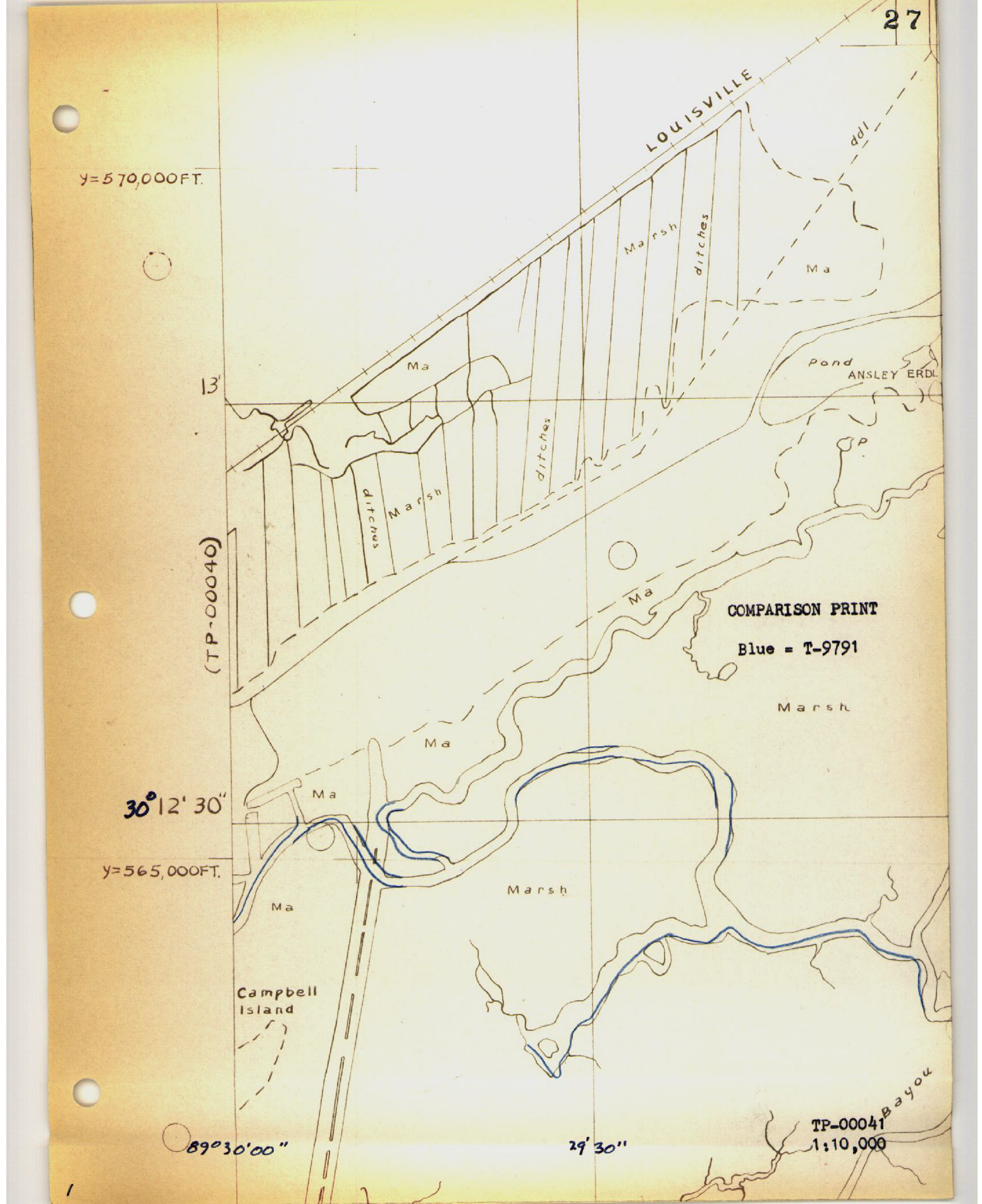
29'30"

COMPARISON PRINT

Blue = T-9791

TP-00041
1:10,000

Bayou



30°12'

28

Outside

89°30'00"

Ma

Marsh

Campbell

Marsh

y=560,000FT.

11'30"

CAMP

Marsh

Brush Bayou

Marsh

11'

69E(C) 3377

69E(C) 3330

30°11'00"

Marsh

ENVY 1952

y=555,000FT.

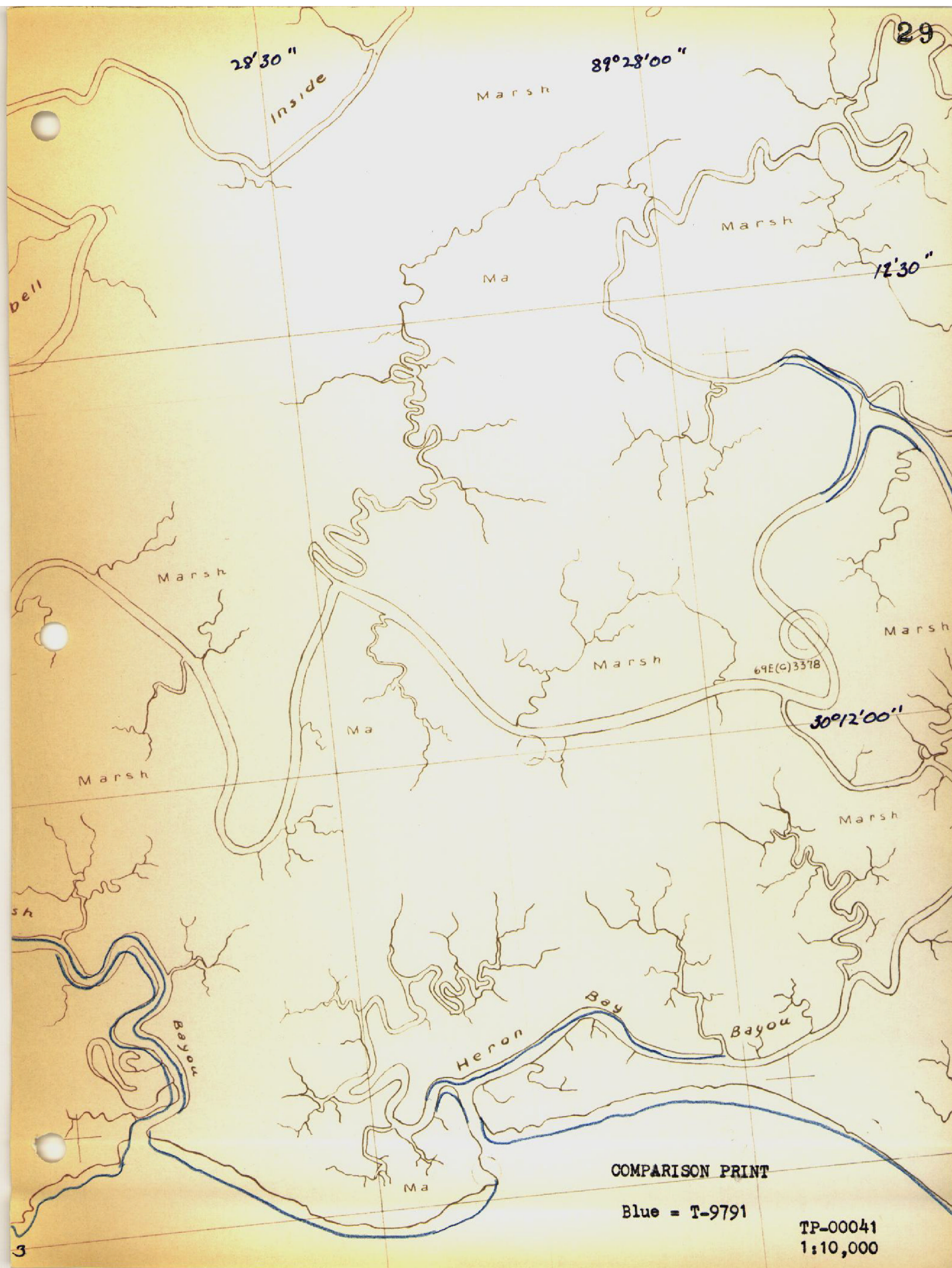
89°30'00"

29'30"

COMPARISON PRINT

Blue = T-9791

TP-00041
1:10,000



30

A Y

BILE, 1952

Bayou Toncre

Marsh

Marsh

Marsh

Marsh

Not visible on photos
at this position

Lighthouse
Bayou

Concrete
Obstruction (1952)

Marsh

Lighthouse Point

CLEAR 2, 1966

CLEAR, 1952

Subsiding

Not visible
on photos

charted conc blocks appear
to be part of shoreline

COMPARISON PRINT

Blue = T-9791
Purple = H-9262
Red = Chart 878-SC
TP-00041
1:10,000

10'30"

J O E

P A S S

0179
4

89° 28' X=2,590,000 FT.

27' 30"

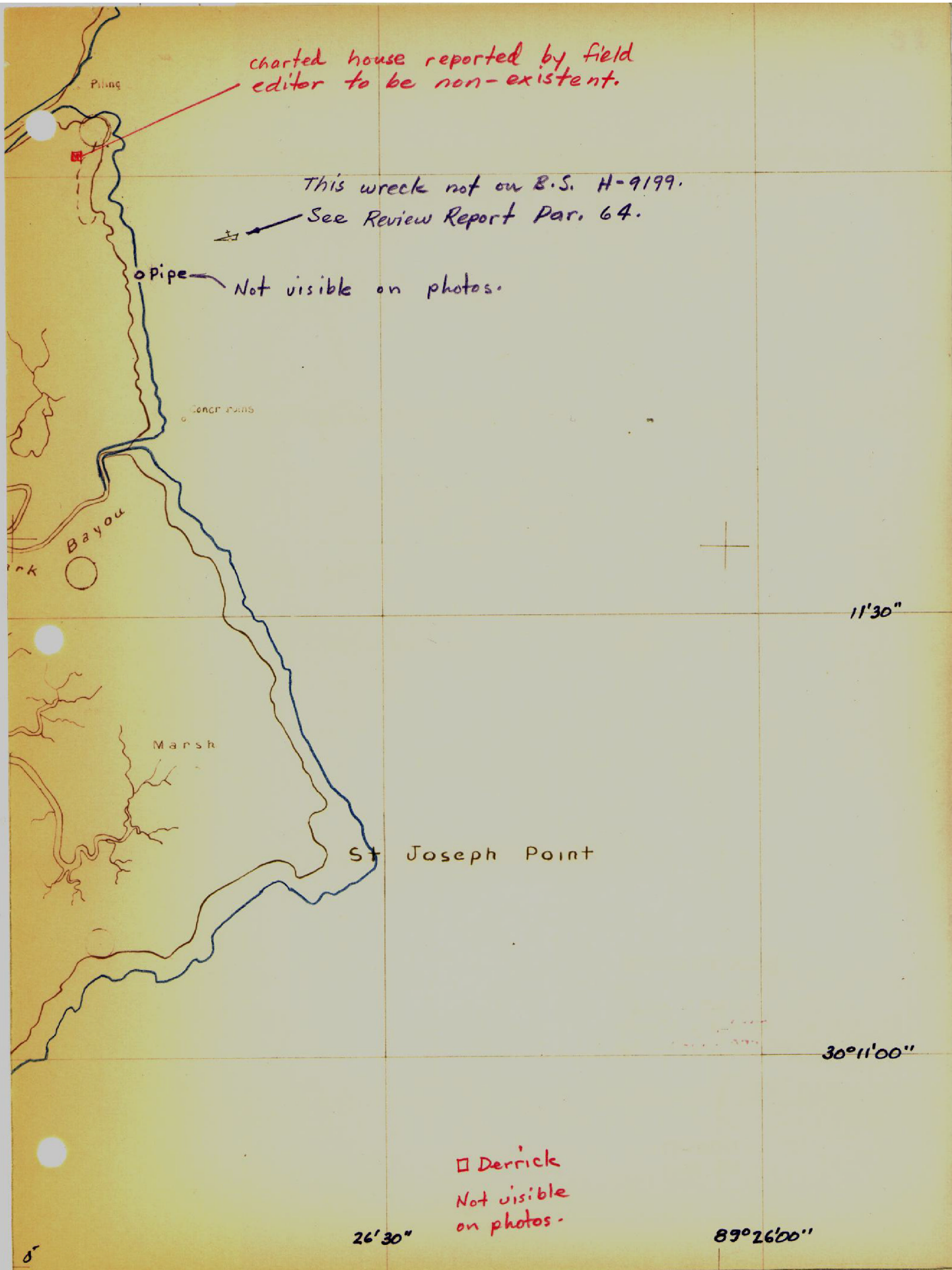
30° 10' 00"

X=2,595,000 FT. 2

COMPARISON PRINT

Blue - T-9791
Purple - H-9199
Red - Chart 878-SC

TP-00041
1:10,000



18

12'

S
O
U
N
D



y=560,000 FT.

11'30"

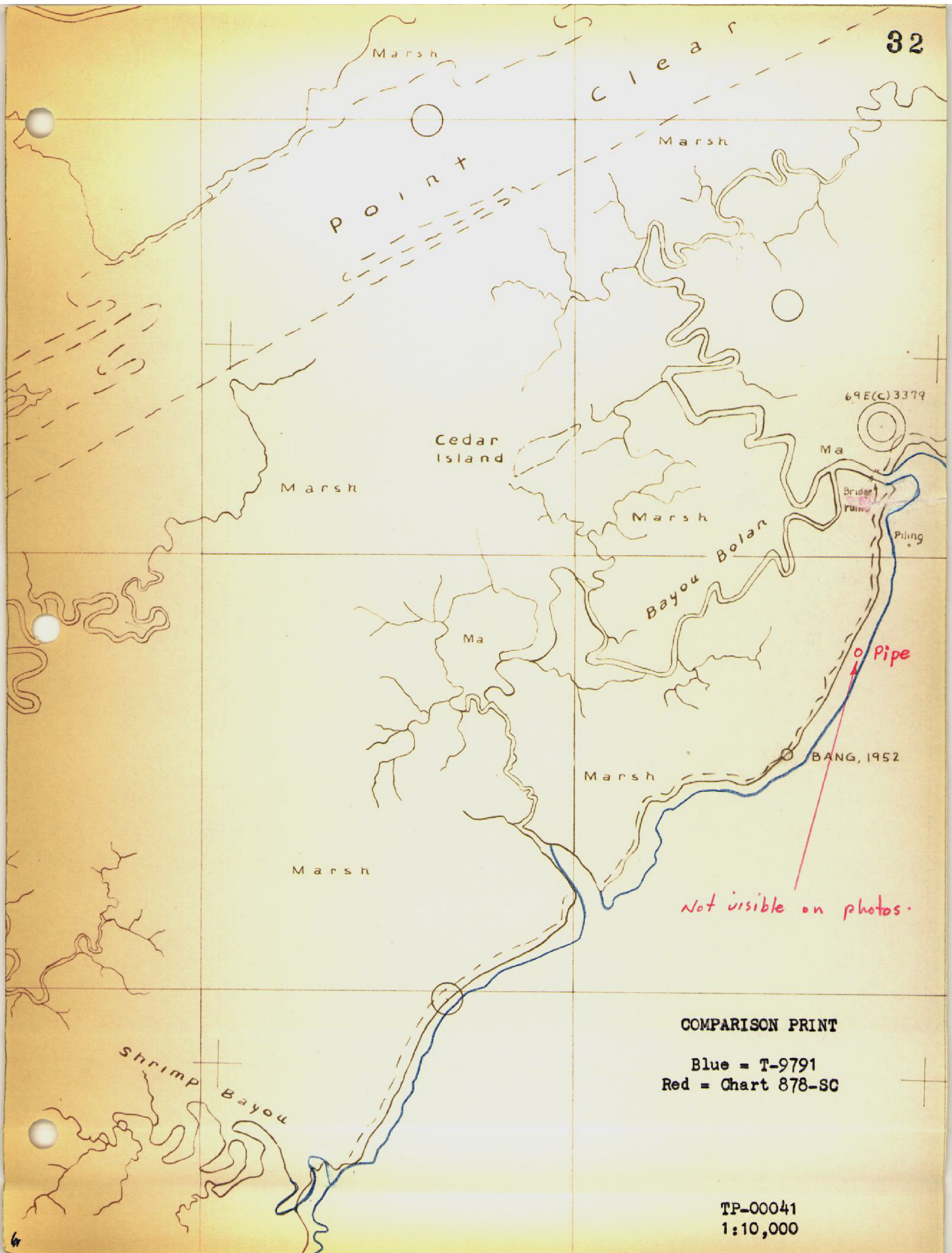
P
I

ST. JOSEPH ISLAND LIGHT 22 1971

Also on
chart 878 SC

11'

S
I



See Part 64 of
Review Report



y=575,000FT.

14'

Point
Clear

13'30"

COMPARISON PRINT

Blue = T-9791
Purple = H-9199
Red = Chart 878-SC

TP-00041
1:10,000

y=570,000FT.

13'