# DEScriptive REPORT

**Type of Survey:** Topographic  
**Field No.:** Ph-89  
**Office No.:** T-9665

## LOCALITY

- **State:** Louisiana  
- **General locality:** Lake Borgne  
- **Locality:** Shell Beach

**19457**

**Chief of Party:**  
P.L. Bernstein, Chief of Field Party  
H.C. Applequist, Tampa Photo Office

## LIBRARY & ARCHIVES

**Date:** April 15, 1958
DATA RECORD

T-9665

Project No. (II): Ph-89  Quadrange Name (IV): SHELL BEACH


Photogrammetric Office (III): Tampa Florida  Officer-in-Charge: H. C. Applequist

Instructions dated (II) (III): 11 April 1952  Copy filed in Division of

Photogrammetry (IV)

Method of Compilation (III): Graphic

Manuscript Scale (III): 1:20,000  Stereoscopic Plotting Instrument Scale (III): Inapplicable

Scale Factor (III): None

Date received in Washington Office (IV): 5-7-56  Date reported to Nautical Chart Branch (IV):

Applied to Chart No. Date:

Publication Scale (IV):

Geographic Datum (III): N. A. 1927

Publication date (IV):

Vertical Datum (III):

Mean sea level except as follows:
Elevations shown as (2) refer to mean high water
Elevations shown as (3) refer to sounding datum
i.e., mean low water or mean lower low water

Reference Station (III): HOPEDALE, Rm 2, 1934

Lat.: 29° 48' 58" .350 (1796.6 m)  Long.: 89° 38' 47" .117 (1265.1 m)

(4) Unadjusted

Plane Coordinates (IV):

Y=  X=

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.
Areas contoured by various personnel
(Show name within area)
(I) (II) (III)
DATA RECORD

Field Inspection by (II): B.F. Lampton, Jr.
C.H. Baldwin
W.M. Reynolds

Date: May–Sept. 1952

Planetary contouring by (II): Same as above

Date: June, Aug., and Sept. 1952

Completion Surveys by (II): W.M. Reynolds

Date: 1957

Mean High Water Location (III) (State date and method of location): Air Photo Compilation

Sept. 1952

Projection and Grids ruled by (IV): Joan Thuma (W.O.)

Date: 23 June 1953

Projection and Grids checked by (IV): H. D. Wolfe (W.O.)

Date: 24 June 1953

Control plotted by (III): I. I. Saperstein

Date: 17 Aug. 1953

Control checked by (III): R. J. Fate

Date: 17 Aug. 1953

Radial Plot of Stereoscopic
Control extension by (III): M. M. Slavney

Date: 14 Oct. 1954

Stereoscopic Instrument compilation (III): Inapplicable

Date:

Manuscript delineated by (III): R. Dossett

Date: Sept. 1955

Photogrammetric Office Review by (III): R. R. Wagner

Date: Sept. 1955

Elevations on Manuscript
checked by (III): R. R. Wagner

Date: Sept. 1955
<table>
<thead>
<tr>
<th>Number</th>
<th>Date</th>
<th>Time</th>
<th>Scale</th>
<th>Stage of Tide</th>
</tr>
</thead>
<tbody>
<tr>
<td>35295</td>
<td>27 Feb. 1952</td>
<td>11:05</td>
<td>1:20,000</td>
<td>$\neq 0.3$</td>
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<tr>
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<td></td>
<td>11:05</td>
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<tr>
<td>35328</td>
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<td></td>
</tr>
<tr>
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<td></td>
<td>11:52</td>
<td></td>
<td></td>
</tr>
<tr>
<td>35330</td>
<td></td>
<td>11:53</td>
<td></td>
<td></td>
</tr>
<tr>
<td>35448</td>
<td></td>
<td>12:22</td>
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<td></td>
</tr>
</tbody>
</table>

**Tide (III)**

Reference Station: Pensacola Fla.
Subordinate Station: Long Point, Lake Borgne, La.

**Predicted Tide**

<table>
<thead>
<tr>
<th>Ratio of Ranges</th>
<th>Mean Range</th>
<th>Spring Range</th>
</tr>
</thead>
<tbody>
<tr>
<td>--</td>
<td>--</td>
<td>1.3</td>
</tr>
<tr>
<td>0.8</td>
<td>--</td>
<td>1.0</td>
</tr>
</tbody>
</table>

Date: 20 Dec 1957

**Final Drafting by (IV):**

**Drafting verified for reproduction by (IV):**

**Proof Edit by (IV):**

**Land Area (Sq. Statute Miles) (III):** 59

**Shoreline (More than 200 meters to opposite shore) (III):** 53

**Control Leveling - Miles (II):** 10

**Number of Triangulation Stations searched for (II):** 38

**Number of BMs searched for (II):** 10

**Number of Recoverable Photo Stations established (III):** 6

**Number of Temporary Photo Hydro Stations established (III):** 0

**Remarks:**

* Only two control stations fall within the limits of this manuscript.

** Only two BM's are within limits of manuscript.
SUMMARY TO ACCOMPANY TOPOGRAPHIC MAP

This topographic map is one of 17 similar maps of Project PH-69. It covers a portion of Louisiana from Mississippi Sound south to Breton Sound.

Project PH-69 is a graphic compilation project. Field work in advance of compilation included the establishment of some additional control, complete field inspection, the delineation of 5 foot contours directly on the nine-lens photographs by planimetric methods, and the investigation of geographic names and political boundaries.

Since almost all the terrain was marsh, only 3 of the maps on PH-69 were field edited. They are T-9660, T-9665, T-9667. All were compiled at the scale of 1:20,000, using nine-lens photographs taken in 1952. Newer 6x cameras photographs taken in 1955 were used to revise delineation where necessary. There were few such cases.

With the addition of hydrographic data these maps will be forwarded to the Geological Survey for publication as standard 7\(\frac{1}{2}\) minute quadrangles.

Items registered under each map number will include a Croner film positive and a descriptive report.
Compiled by the U.S. Coast and Geodetic Survey at scale of 1:20,000 from Nine-lens photographs taken February 1952 and by U.S. Navy Single-lens photographs, scale 1:40,000 taken February 1952.
2. AREAL FIELD INSPECTION

The quadrangle includes the towns of Shell Beach, Yscloskey, and Hopedale. Bayou la Loutre crosses the northern part of the quadrangle and Bayou Yscloskey runs from Bayou la Loutre north to Lake Borgne. Bayou Yscloskey is navigable and Bayou la Loutre is navigable from Yscloskey to the east. Roads follow these bayous to the towns. Hopedale Canal was dredged to provide a water route between Bayou la Loutre and Hopedale Lagoon. Except along the roads and Hopedale Canal the area is uninhabited except for a number of trapper's cabins which are occupied only during the trapping season.

A portion of Bayou Terre aux Boeufs is in the southwest part of the quadrangle. There are a number of dredged canals in the area. One of these was dredged for a drill barge, however, there are no producing oil wells in the quadrangle at present.

State Highway 30 serves the towns in the northern part of the quadrangle and connects with New Orleans.

The photographs are quite clear and interpretation of detail should cause little trouble to the compiler.

Field work has been done on photographs 35294-96, 35328-31, and 35346-48, including photographs used for recovery of control outside of the project but adjacent to this quadrangle.

3. HORIZONTAL CONTROL

The following traverse stations of the Louisiana Geodetic Survey were recovered: 3108, 3110, 3111, 3112, 3120R, 3121, and E3198. The following traverse stations of the U. S. Geological Survey were recovered: TT 2015LS, TT 2061S, TT 2071S. The order of accuracy of these stations is not known but is believed to be third.

The following Coast and Geodetic Survey triangulation stations have been reported as lost on Form 526: LAKE LERY OIL DERRICK 1934; SHELL BEACH OIL DERRICK 1934; HOPEDALE 1934; LEMER 1934; and UNKNOWN TOWER 1934. The following Louisiana Geodetic Survey traverse stations have been reported lost: 3106, 3107, 3109, 3112K, 3113, 3115, 3116R, 3119, E3193, E3196, E3197, E3199, E3200, F3101, F3102, and F3103. The following U. S. Geological Survey traverse stations have been reported as lost: TT 2041S, TT 2061S, and TT 2081S.

Station HOPEDALE 1934 is lost but Reference Mark No. 2 was identified for use in the radial plot.
4. VERTICAL CONTROL

The following third-order bench marks of the U. S. Geological Survey were recovered and identified on the photographs: TT 207L, BM 8.2, and BM 5.0.

Fourth-order levels were run to establish supplemental elevations in the area contoured by planetable. The level points were designated 65-01 to 65-18, inclusive.

5. CONTOURS AND DRAINAGE

Easily accessible areas were contoured by standard planetable methods on field photographs. Not all contours were shown on the field plans. Contours were interpreted around spot elevations.

For method of contouring the remainder of the quadrangle, see "Special Report, Vertical Control and Contouring, Project Ph-39". Spot elevations in these areas were based on tide staffs at Shell Beach and Hopedale.

Spot elevations established by planetable methods have been inked in black on the photographs and those established from water level have been inked in red.

All drainage is tidal and is clearly visible on the photographs.

6. WOODLAND COVER

There are some heavy growths of trees along the natural levees that border Bayou la Loutre. Back of the natural levee there are some tree covered swamps. Both are clearly visible on the photographs and the tree and swamp areas have been differentiated by the field inspector.

The only other vegetation in the quadrangle is marsh grass.

7. SHORELINE AND ALONGSHORE FEATURES

Along Bayou la Loutre and Bayou Yeckeskey, the shoreline is fast for the most part. Most of the remainder of the shoreline is apparent (edge of marsh). The few deviations from this have been noted on the photographs by the field inspector.

In the canals and bayous and along apparent shoreline the mean high water line and the mean low water line are contiguous. Other areas were not visited at time of mean low water and no mean low water line has been indicated on the photographs.
Docks, wharves, piers and other shoreline structures have been indicated on the field photographs.

8. OFFSHORE FEATURES

None.

9. LANDMARKS AND AIDS

There are no landmarks. All aids to navigation were located by theodolite cuts from identifiable photographic detail.

10. BOUNDARIES, MONUMENTS, AND LINES


An intensive search was made for section corners in this quadrangle. Only two probable section corners were found. The failure to find any section corners in marsh areas, along with information obtained from local surveyors and other sources, showed the impracticability of further search in marsh areas in the remainder of the project.

In the southern part of the quadrangle, a recent survey has re-established a number of section corners. Prints of a map showing this survey are being furnished. Plane coordinates of a number of section corners are given. The survey was based on Coast and Geodetic Survey triangulation stations and the coordinates are the State Plane Coordinates System. The corners may be plotted directly on the map manuscript. All corners for which plane coordinates are given are monumented at the present time.

11. OTHER CONTROL

None was established.

12. OTHER INTERIOR FEATURES

Necessary information concerning roads, buildings, and other cultural features is believed to be adequately covered on the field photographs.

For bridge data see copy of letter to District Engineer attached hereto.
13. **GEOGRAPHIC NAMES**

See "Special Report, Geographic Names, Project Ph-89".

14. **SPECIAL REPORTS AND SUPPLEMENTAL DATA**

"Special Report, Vertical Control and Contouring, Project Ph-89", to be forwarded at a later date.

Microfilm prints, Plaquemines-St. Bernard Parish boundary, forwarded to Washington Office 5 September 1951 with "Special Report, Boundaries, Project Ph-60(49)".

Composite Map, Delacroix Island to Pointe a la Hache Field.

"Special Report, Geographic Names, Project Ph-89", to be forwarded at a later date.

Letter of Transmittal No. 89-11, Forms 567, forwarded to Washington Office 8 September 1952.

Letter of Transmittal No. 89-12, Forms 567, forwarded to Tampa Photogrammetric Office 8 September 1952.

Letter of Transmittal No. 89-17, Data, Quadrangles T-9665( ), T-9666( ), T-9667( ), T-9668( ), and T-9669( ), forwarded to Washington Office 17 September 1952.

Submitted
8 September 1952

B. Frank Lampton, Jr.
Cartographic Survey Aid

Approved & Forwarded
17 September 1952

Percy L. Bernstein
Chief of Party
COMPILATION REPORT T-9665

PHOTOGRAHMETRIC PLOT REPORT

Submitted with T-9665

31. Delineation

Compiled graphically.
The photographs were of reasonably good scale.
The field inspection was adequate.

32. Control

See Photogrammetric Plot Report.

33. Supplemental Data

None.

34. Contours and Drainage

*The contours have been applied as they appeared on the field prints.
They lie along the highways principally. Spoils along the canals above 5 ft.
are shown by carrying contours. Spill is shown with a "level" symbol with
spot elevations at numerous intervals.

35. Shoreline and Alongshore Details

*See field inspection report item #5.

All piers and structures visible on the photographs or indicated by the
field inspection have been delineated.

See Item 7 for MLWL information.

36. Offshore Features

None.

37. Landmarks and Aids

See Item nine(9).
38. CONTROL FOR FUTURE SURVEYS
None.

39. JUNCTIONS
A satisfactory junction has been secured with T-9660 on the north and T-9668 on the east. There is no contemporary survey on the south and west.

40. HORIZONTAL AND VERTICAL ACCURACY
No comment.

41. PUBLIC LAND LINES
Township 15S R15E was plotted from a composite map by Ben S. Garrett, licensed state land surveyor No. S-111, surveyed in 1917-1951, scale 1:20,000. The remainder of the land lines were plotted from GLO plats.

46. COMPARISON WITH EXISTING MAPS
Comparison has been made with U.S. Geological Survey 15 minute quadrangle "SHELL BEACH, LA." scale 1:62,500, surveyed in 1939; and C&GS planimetric map T-5315 compiled from aerial photographs dated Dec. 1-2, 1932.
No outstanding discrepancies were noted.

47. COMPARISON WITH NAUTICAL CHARTS
Comparison has been made with C&GS Nautical Chart No. 1276, scale 1:80,000, published Apr. 1939; corrected to 24 Sept. 1954. The maps listed under Item 46 appears to be the source of topography and the same differences are to be found.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY
None

ITEMS TO BE CARRIED FORWARD
None

R. Dossett
Carto Photo Aid

Approved and Forwarded
H. C. Applequist

*Since a complete network of land lines could not be delineated, this composite map was not used and no land line info. on the December copy was shown. No land lines were shown on any of this project.*
Geographic Names:

Alluvial City
Lake Arbeaux
Lake Amadee
Antonina Lagoon

Bakere Ditch
Bayou Batola
Bayou Batola Bay
Lake Borges

Bayou Catilano
Bayou La Cape
Gooch Bay
Crooked Bayou

Doullute Canal
Doss Ditch

East Bayou

Fort Bayou

Grass Lagoon
Bayou Crochee

Hopedale
Hopedale Canal
Hopedale Lagoon

Jacks Canal
Bayou Jean Louis Robin
Lake Jean Louis Robin
Joes Canal
Bayou Janita

Louisiana
Bayou La Loupe

Middle Bayou

Old Fort Beauregard
Oyster Bay

Flaumina Parish
Portمان Lagoon

Reggio Canal

St. Bernard Parish
St. Joseph Church
Schooner Canal (not Schooners)
Sebastian Roy School (French spelling, not Sebastian)
Shell Beach (village)

Bayou Terre aux Boeufs
Tonys Lagoon

Yacluskey
Bayou Yacluskey

Names approved 9-20-56
L. Hagg.

According to the official state highway map and Sheet 1 of the St. Bernard Parish Map (both 1955), the correct state highway number to Yacluskey and Shell Beach is 46, the road eastward from Shell Beach is No. 619, and Yacluskey to Hopedale is No. 624.
Geographic Names.

Alluvial City
Lake Amedee
Antonias Lagoon
Bakera Ditch
Bayou Batola
Bayou Batola Bay
Lake Borgne
Bayou Catilano
Bayou La Cape
Goham Bay
Crooked Bayou
Douluts Canal
Down's Ditch
East Bayou
Fort Bayou
Grado Lagoon
Grass Lagoon
Bayou Grosbec
Hopedale
Hopedale Canal
Hopedale Lagoon
Jacks Canal
Bayou Jean Louis Robin
Lake Jean Louis Robin
Joes Canal
Bayou Jeanite
Louisiana
Bayou la Loutre
Middle Bayou
Nicks Lagoon
Old Fort Beauregard
Oyster Bay
Plaquemines Parish
Portman Lagoon
Red Fish Bayou
Rabbit Island Bayou
Reggio Canal
St. Bernard Parish
St. Joseph Church
Schooner Canal (not Schooners)
Sebastien Roy School (French spelling, not Sebastian)
Shell Beach (village)
Spanish Bayou
Tahoua Lagoon
Bayou Terre aux Boeufs
Tonys Lagoon
Turiano Lagoon
Yscloskey
Yscloskey

Names approved 9-20-56
L. Hack. H.

According to the official state highway map and Sheet 1 of the St. Bernard Parish Map (both 1955), the correct state highway number to Yscloskey and Shell Beach is 46. The road eastward from Shell Beach is No. 619, and Yscloskey to Hopedale is No. 624.
GEOGRAPHIC NAME LIST

ALLUVIAL CITY
ANTÔNIE'S LAGOON

BAKERS DITCH
BAYOU BATOLA BAY
BAYOU BATOLA
BAYOU CATILANO
BAYOU CROSBECK
BAYOU JEAN LOUIS ROBIN
BAYOU JUANITA
BAYOU LA CHAPE
BAYOU LA LOUTRE
BAYOU TERRE AUX BOUFS
BAYOU YSGLOSKY

COCHON BAY
CROOKED BAYOU

DOULLOTS CANAL
DOWS DITCH

EAST BAYOU

FORT BAYOU

GRASS LAGOON

HOPEDALE
HOPEDALE CANAL
HOPEDALE LAGOON

JACKS CANAL
JOBS CANAL

LAKE AMEDA
LAKE AMEDEE
LAKE BORNEE
LAKE JEAN LOUIS ROBIN
LA 32
LA C 1389
LA C 1492
LOUISIANA

MIDDLE BAYOU

OLD FT. BEAUREGARD
OYSTER BAY

PORTMAN LAGOON
PLAQUEMINES PARISH
REGGIO CANAL
SCHOONER CANAL
SEBASTIAN ROY SCHOOL
SHELL BARTH
ST. BERNARD PARISH
ST. JOSEPH CHURCH
TONYS LAGOON
YSCLOSKEY
49. NOTES FOR THE HYDROGRAPER

None.
DEPARTMENT OF COMMERCE  
U.S. COAST AND GEODETIC SURVEY  

NONFLOATING AIDS OR LANDMARKS FOR CHARTS

TO BE CHARTED  |  STRIKE OUT ONE  
TO BE DELETED  

I recommend that the following objects which have (have not) been inspected from seaward to determine their value as landmarks be charted on (deleted from) the charts indicated.

The positions given have been checked after listing by Ralph D. Harmon.

<table>
<thead>
<tr>
<th>STATE</th>
<th>CHARTING NAME</th>
<th>DESCRIPTION</th>
<th>SIGNAL NAME</th>
<th>LATITUDE</th>
<th>LONGITUDE</th>
<th>DATUM</th>
<th>METHOD OF LOCATION AND SURVEY NO.</th>
<th>DATE OF LOCATION</th>
<th>MARiner CHART NUMBER</th>
<th>OFFICIAL CHART</th>
<th>CHARTS AFFECTED</th>
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</thead>
<tbody>
<tr>
<td>LOUISIANA</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>YsCloskey Bayou</td>
<td>Red triangular structure on pile</td>
<td></td>
<td>29 52</td>
<td>10.66</td>
<td>89 00</td>
<td>78 00</td>
<td>1927</td>
<td></td>
<td></td>
<td>1260</td>
</tr>
<tr>
<td></td>
<td>DAYACOUH</td>
<td>Red pointer on pile</td>
<td></td>
<td>29 52</td>
<td>11.63</td>
<td>86 00</td>
<td>71 07</td>
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<td></td>
<td></td>
<td>1271</td>
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<tr>
<td></td>
<td>YsCloskey Bayou</td>
<td>Red pointer on pile</td>
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<td>29 52</td>
<td>10.61</td>
<td>86 00</td>
<td>78 00</td>
<td></td>
<td></td>
<td></td>
<td>1271</td>
</tr>
</tbody>
</table>

This form shall be prepared in accordance with Hydrographic Manual, pages 800 to 804. Positions of charted landmarks and nonfloating aids to navigation, if redetermined, shall be reported on this form. The data should be considered for the charts of the area and not by individual field survey sheets. Information under each column heading should be given.

* TABULATE SECONDS AND METERS
LIST OF DIRECTIONS
To locate Bayou Yscloskey Daybeacon 4 and 6

<table>
<thead>
<tr>
<th>Station</th>
<th>State</th>
<th>Chief of party</th>
<th>Date</th>
<th>Computed by</th>
<th>Observer</th>
<th>Instrument</th>
<th>Checked by</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bayou Yscloskey</td>
<td>Louisiana</td>
<td>D.L. Bernstein</td>
<td>5 June 1952</td>
<td>B.F.</td>
<td>B.F.</td>
<td></td>
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</table>

<table>
<thead>
<tr>
<th>Observed Station</th>
<th>Observed direction</th>
<th>Eccentric reduction</th>
<th>Sea level reduction</th>
<th>Corrected direction with zero initial</th>
<th>Adjusted direction*</th>
</tr>
</thead>
<tbody>
<tr>
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<td>0° 00'</td>
<td>0 00 00.00</td>
<td></td>
<td>0 00 00.00</td>
<td></td>
</tr>
<tr>
<td>Bayou Yscloskey Lt. 2</td>
<td>0° 00'</td>
<td>0 00 00.00</td>
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<td>0 00 00.00</td>
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<td>Bayou Yscloskey Daybn. 6</td>
<td>353° 40'</td>
<td>353° 39'</td>
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<td>353° 39'</td>
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<tr>
<td>Bayou Yscloskey Daybn. 4</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
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<td>0° 00'</td>
<td>0 00 00.00</td>
<td></td>
<td>0 00 00.00</td>
<td></td>
</tr>
<tr>
<td>Bayou Yscloskey Lt. 2</td>
<td>0° 00'</td>
<td>0 00 00.00</td>
<td></td>
<td>0 00 00.00</td>
<td></td>
</tr>
<tr>
<td>Bayou Yscloskey Daybn. 6</td>
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<td>349° 47'</td>
<td></td>
<td>349° 47'</td>
<td></td>
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<tr>
<td>Bayou Yscloskey Daybn. 4</td>
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<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>A at Photo pt. 65-C</td>
<td>0° 00'</td>
<td>0 00 00.00</td>
<td></td>
<td>0 00 00.00</td>
<td></td>
</tr>
<tr>
<td>Bayou Yscloskey Lt. 2</td>
<td>0° 00'</td>
<td>0 00 00.00</td>
<td></td>
<td>0 00 00.00</td>
<td></td>
</tr>
<tr>
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<td>354° 02'</td>
<td>356° 32'</td>
<td></td>
<td>356° 32'</td>
<td></td>
</tr>
<tr>
<td>Bayou Yscloskey Daybn. 4</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

*These columns are for office use and should be left blank in the field.
This form, with the first three and fifth columns properly filled out and checked, must be furnished by field parties. To be acceptable it must contain every direction observed at the station.

It should be used for observations with both repeating and direction theodolites.

The directions at only one station should be placed on a page.

If a repeating theodolite is used, do not abstract the angles in tertiary triangulation. The local adjustment corrections (to close horizon only) are to be written in the Horizontal Angle Record, and the List of Directions is to be made from that record directly.

Choose as an initial for Form 24a some station involved in the local adjustment, and preferably one which has been used as an initial for a round of directions on objects not in the main scheme. Use but one initial at a station. Call the direction of the initial 0° 00' 00.0", and by applying the corrected angles to this, fill in opposite each station its direction reckoned clockwise around the whole circumference regardless of the direction of graduation of the instrument. The clockwise reckoning is necessary for uniformity and to make the directions comparable with azimuths.

If a station has been occupied eccentrically, reduce to the center and enter in this form, in ink, the resulting corrections to the observed directions in the columns provided for them. If an eccentric reduction is necessary, but not made in the field, leave the column blank. If the station was occupied centrally, and no eccentric reduction is required, put dashes in the column to show that no corrections are necessary.

Directions in the main scheme should be entered to hundredths of seconds in first-order triangulation; otherwise to tenths only. Points observed upon but once, direct and reverse, should be carried to tenths in first-order and second-order triangulation, and to even seconds only in third-order triangulation. In general, but two uncertain figures should be given.

It is recommended that the following simple plan of observing be used with a repeating instrument: Measure each single angle in the scheme at each station and the outside angle necessary to close the horizon. Measure no sum angles. Follow each measurement of every angle immediately by a measurement of its supplement. Six repetitions are to constitute a measurement. The local adjustment will consist simply of the distribution of the error of closure of the horizon:
# Tide Computation

**PROJECT NO. PH-69 T. 9665**

**Time and date of exposure:** 116/1-27 Feb 1967  
**Reference station:** Pensacola  
**Date of field inspection:** Feb 1962  
**Subordinate station:** Long Point, Lake Borgue  

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<th>Height x Ratio of ranges</th>
<th>Time</th>
<th>Time differences</th>
<th>Time</th>
<th>Time differences</th>
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<td>0.4</td>
<td>12:24</td>
<td>+1:35</td>
<td>13:59</td>
<td>+1:35</td>
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<td>Low</td>
<td>0.4</td>
<td>0.3</td>
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<tr>
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<th>Tabular correction</th>
<th>Stage of tide above MLW</th>
<th>feet</th>
<th>Photo No.</th>
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<td>0.3</td>
<td>Stage of tide above MLW</td>
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<td></td>
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**Computed by:**  
**Checked by:**
### TIDE COMPUTATION

**PROJECT NO. Ph 89 T. 9665**

**Time and date of exposure**: 20 May 1982  
**Reference station**: Pensacola  
**Date of field inspection**: 20 May 1982  
**Subordinate station**: Long Point Lake Borgne  
**Diurnal Mean Range**: 1.3

**Ratio of ranges**: 0.8

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<tbody>
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<td>High tide</td>
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<tr>
<td>Low tide</td>
<td>18' 5'</td>
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**Range of tide**: 0.9

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<td>Time difference</td>
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</tr>
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<td>Ht. H.T. or L.T.</td>
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<tr>
<td>Stage of tide above MLW</td>
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<tr>
<td>Feature bares</td>
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</tr>
<tr>
<td>Stage of tide above MLW</td>
<td>0.5'</td>
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</tr>
<tr>
<td>Feature above MLW</td>
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<td>Bridge A</td>
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<tr>
<td>Time interval</td>
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</tr>
<tr>
<td>Tabular correction</td>
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<td></td>
</tr>
<tr>
<td>Stage of tide above MLW</td>
<td>13' 5'</td>
<td></td>
</tr>
<tr>
<td>Feature bares</td>
<td>0.0</td>
<td></td>
</tr>
<tr>
<td>Stage of tide above MLW</td>
<td>0.5'</td>
<td></td>
</tr>
<tr>
<td>Feature above MLW</td>
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<td>Stage of tide above MLW</td>
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<td>Feature bares</td>
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<td>Stage of tide above MLW</td>
<td>0.5'</td>
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<tr>
<td>Feature above MLW</td>
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<tr>
<td>Feature above MLW</td>
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<td>Photo No.</td>
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<table>
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<td>Time interval</td>
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<td>Stage of tide above MLW</td>
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<tr>
<td>Feature bares</td>
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<td>Stage of tide above MLW</td>
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<td>Feature above MLW</td>
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<tr>
<td>Feature above MLW</td>
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**Computed by**: R. Clowes  
**Checked by**: 115
**TIDE COMPUTATION**

**PROJECT NO. Ph-89 T. 9665**

**Reference station:** Pensacola

**Subordinate station:** Long Point, Lake Borgne

**Mean range:** 1.3

**Ratio of ranges:** 0.8

<table>
<thead>
<tr>
<th>Time and date of exposure</th>
<th>Time of low tide</th>
<th>Duration of rise or fall</th>
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<tbody>
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<td>10:00</td>
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<td>Low tide</td>
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<table>
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<table>
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<th>Corrected time at Subordinate station</th>
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<tbody>
<tr>
<td>15:01</td>
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<th>Interval</th>
<th>Ht. H. T. or L. T.</th>
<th>Tabular correction</th>
<th>Stage of tide above MLW</th>
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<th>Feature bares</th>
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<tr>
<td>16:36</td>
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</table>

**Computed by:** [Signature]  
**Checked by:** [Signature]
50. PHOTOGRAMMETRIC OFFICE REVIEW

T- 9665


CONTROL STATIONS


ALONGSHORE AREAS

(Nautical Chart Data)


PHYSICAL FEATURES


CULTURAL FEATURES


BOUNDARIES


MISCELLANEOUS


40. [Signature] ROBERT H. WATSON

[Signature] WILLIAM A. RAGONE

Reviewer: 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.

Compiler

Supervisor

43. Remarks:

M-2623-17
Field Edit Report
Quad. T-9665

51 Methods—All roads were driven to check their classification. All other features were visually checked at the same time.

Field edit information has been indicated on the discrepancy prints, one field edit sheet and photographs 55W1580, 55W1609, 55W1610 and 55W1622. Additions and corrections have been indicated with violet ink. Deletions are with green ink.

The photographs and field edit sheet have been cross referenced.

A legend appears on the field edit sheet.

52 Adequacy of compilation—The compilation will be complete after application of field edit information.

53 Map accuracy—The manuscript was visually checked only.

54 Recommendations—None are offered.

55 Examination of proof copy—Mr. Eugene I. Estopinal, Parish Engineer, has agreed to examine the proof copy. His address is Room 204, St. Bernard Parish Courthouse, Chalmette, Louisiana.

One discrepancy in geographic names was noted and several new names are submitted. The discrepancy and the new names were verified by Walter Younger, Alluvial City, Louisiana, Sal Calderone, Delacroix Island, Louisiana, and L.E. Serpas, Hopedale, Louisiana. All of the above people have been fishermen and storekeepers in the from 30 to 40 years.

The discrepancy in names and the new names have been indicated on the names prints.

56 Proposed channel—A deep water channel will cross the project when completed. The channel will begin at the Industrial Canal in New Orleans and run southeasterly to the Gulf of Mexico. The U.S. Engineers are now engaged in the location of the waterway and information to plot the channel on the manuscripts can be obtained from the New Orleans Office.

Respectfully submitted,

[Signature]
William M. Reynolds
Cartographic Survey Aid
REVIEW REPORT T-9665
TOPOGRAPHIC
9 October 1957

61. General Statement

See summary.

62. Comparison with Registered Topographic Surveys

<table>
<thead>
<tr>
<th>Number</th>
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<th>Year</th>
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<tr>
<td>628</td>
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<td>629</td>
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<td>5315</td>
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<td>1934</td>
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</table>

Manuscript T-9665 supercedes all the above surveys in common areas as source material for chart construction.

63. Comparison with Maps of Other Agencies

USGS Shell Beach 1:62,500  1939

64. Comparison with Contemporary Hydrographic Surveys

None

65. Comparison with Nautical Charts

Chart 1271  1:80,000  2nd Ed 1939 7/22/57

66. Adequacy of Results and Future Surveys

This map complies with all instructions and meets the National Standards of Map Accuracy.

Special attention is called to item 56 of the Field Edit Report for its influence on future surveys. The data mentioned was not available at the time of review.

Reviewed by:

A. K. Heywood

Approved:

P. C. Lande
Chief, Review Branch
Div. of Photogrammetry

M. E. B. Ricketts
Chief, Nautical Chart Branch
Div. of Charts
Lee B. Swanson  
Chief, Photogrammetry Div.  
20 March 1958

[Signature]
Chief, Coastal Surveys Div.
## Nautical Charts Branch

**Survey No. T 9665**

**Record of Application to Charts**

<table>
<thead>
<tr>
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<th>Chart</th>
<th>Cartographer</th>
<th>Remarks</th>
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<td>R.K.D.</td>
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</tr>
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A basic hydrographic or topographic survey supersedes all information of like nature on the uncorrected chart. Give reasons for deviations, if any, from recommendations made under "Comparison with Charts" in the Review.