**U. S. COAST AND GEODETIC SURVEY**
**DEPARTMENT OF COMMERCE**

**DESCRIPTIVE REPORT**

<table>
<thead>
<tr>
<th><strong>Type of Survey</strong></th>
<th>Topographic</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Field No.</strong></td>
<td>Ph-90</td>
</tr>
<tr>
<td><strong>Office No.</strong></td>
<td>T-9678</td>
</tr>
</tbody>
</table>

**LOCALITY**

<table>
<thead>
<tr>
<th><strong>State</strong></th>
<th>Louisiana</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>General locality</strong></td>
<td>Louisiana Coast</td>
</tr>
<tr>
<td><strong>Locality</strong></td>
<td>Hackberry Bay</td>
</tr>
</tbody>
</table>

**1952-56**

**CHIEF OF PARTY**

E.H. Kirsch, Chief of Field Party

H.C. Applequist, Tampa Photo. Office

**LIBRARY & ARCHIVES**

**DATE** February 26, 1959
DESCRIPTIVE REPORT - DATA RECORD

T - 9678

Project No. (II): 24200  Quadrangle Name (IV):

Photogrammetric Office (III): Tampa Fla.  Officer-in-Charge: N. C. Applequist

Instructions dated (II) (III):
5 Sept. 1952  Copy filed in Division of
25 Sept. 1952 (Supplement # 1)  Photogrammetry (IV)
30 Sept. 1952 (Supplement # 2)

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): 7-22-57  Date reported to Nautical Chart Branch (IV): 1-16-57

Applied to Chart No.  Date:                  Date registered (IV):

Publication Scale (IV):

Geographic Datum (III): N.A. 1927

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

Reference Station (III): Hackberry 3, 1934

Lat.: 29°23'15.8" 807 (609.6m)  Long.: 90°03'20" 347 (548.7m)  Adjusted

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)
(II) (III)
Field Inspection by (II): E. T. Ogilby  
W. M. Reynolds  
Date: Jan. 1953  
Jan. 1953

Planetable contouring by (II): E. T. Ogilby  
W. M. Reynolds  
Date: Jan. 1953  
Jan. 1953

Completion Surveys by (II): none  
Date:

Mean High Water Location (III) (State date and method of location): Jan. 1953 Air Photo Compilation

Projection and Grids ruled by (IV): Austin Riley (W.O.)  
Date: 28 Aug. 1953

Projection and Grids checked by (IV): M. D. Wolfe (W.O.)  
Date: 3 Sept. 1953

Control plotted by (III): R. R. Wagner  
Date: 19 Oct. 1954

Control checked by (III): R. J. Pate  
Date: 20 Oct. 1954

Radial Plot constructed by (III): M. M. Slavney  
Date: 17 May 1956

Stereoscopic Instrument compilation (III): Inapplicable  
Date:

Manuscript delineated by (III): I. I. Saperstein  
Date: Dec. 1956

Photogrammetric Office Review by (III): J. A. Giles  
Date: Dec. 1956

Elevations on Manuscript checked by (III): J. A. Giles  
Date: Dec. 1956
Photographs (III)

<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>39550</td>
<td>29 Sept. 1952</td>
<td>10:11</td>
<td>1:20,000</td>
<td>0.4</td>
</tr>
<tr>
<td>39551</td>
<td></td>
<td>10:42</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MDA-23-036</td>
<td>8 March 1952</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>MDA-20-152</td>
<td>7 March 1952</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>MDA-20-153</td>
<td>7 March 1952</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Single-lens photography:

56-W-4114 1.14
56-W-4119 23 Oct. 1956 1:30,000
56-W-4128
56-W-4197
56-W-4232

Tide (III) Predicted

Reference Station: Pensacola
Subordinate Station: Manilla, Barataria Bay
Washington Office Review by (IV): J. J. Steifler
Final Drafting by (IV):
Drafting verified for reproduction by (IV):
Proof Edit by (IV):

Land Area (Sq. Statute Miles) (III): 56
Shoreline (More than 200 meters to opposite shore) (III): 72
Control leveling - Miles (II): None
Number of Triangulation Stations searched for (II): 33
Number of BMs searched for (II): 14
Number of Recoverable Photo Stations established (III): 9
Number of Temporary Photo Hydro Stations established (III): None

Remarks:
Summary
to accompany topographic map T-9678

This is the northeastern most topographic survey of Ph-90 (6090). The area is directly west of BARATARIA BAY in the vicinity of HACKBERRY BAY in the State of Louisiana near the Gulf of Mexico.

The land area is practically all marsh and only two small five-foot contours are shown. There are no roads within the limits of this sheet and cultural features are confined to a few cabins and such objects as are associated with the exploration and development of oil. This activity is mostly in the southeastern portion of this quadrangle (Hackberry Bay area).

Along with other sheets of this project, consisting of topographic and planimetric maps, T-9678 was compiled in 1955 from photography of 1952 and results of field inspection of 1953. The compilation manuscript was revised in 1957 from 1956 single-lens photography without benefit of additional field inspection or completion survey. Changes were applied from adequate photography by office interpretation only at the Tampa District Office. This field office submitted as the final map manuscript a positive obtained from an appropriately scribed sheet with the addition of vegetation stickup and type.

Hydrographic information will be added to a copy of the map manuscript according to U. S. Geological Survey specifications and released to that agency for the publication of a standard 7½ minute quadrangle at the scale of 1:24000. A previous quadrangle without contours of identical area (BAY DOXGRIS, LA.) by the G. S. of 1935 at the scale of 1:31680 will then become obsolete.

A Cronar film positive at manuscript scale of 1:20000 and the Descriptive Report, as well as a print in colors after final printing by G. S. will be registered and filed in the Bureau Archives.

Sept. 1958
2. **AREAL FIELD INSPECTION**

The area embraced by this map is marsh except for short stretches of shell beach and some fast ground in the western section. This fast ground composed the old natural levees of bayous that have since filled themselves in.

There is considerable trapping, shrimping, and oyster fishing in this area. The area also has numerous oil wells and the oil field workers are the only year round inhabitants.

See Field Inspection Report, Quadrangle T-9882( ) for a general description of the conditions in local oil fields.

The photographs are clear. The field inspection is believed to be complete and adequate.

The field work was done on the following photographs, nine-lens: 395#9, 39550, 39551, and Navy single-lens ratio prints MDA-20-151 through MDA-20-151, MDA-23-036, and MDA-23-038.

3. **HORIZONTAL CONTROL**

No supplemental control was established.

The following Coast and Geodetic Survey Stations were reported last: HACKBERRY 1877; HACKBERRY 2 1911; BUG 1934; SUN 1934; 2ND PLATFORM CHIMNEY 1911; TREE 1934; BUR 1934; DUFONT 1877; GRAND BAYOU 1877; FLAG IN TREE NO.2 1877; COFFEE 1877; POT 1934; BLACK AND WHITE FLAG 1877; ST. DENIS 1877; ST. DENIS 2 1934; CHANGE 1877; FLAG IN TREE (CUTLERS CHENIERES) 1877; BAYOU CUTLER ENTRANCE LT. 1934; SER 1934; DEN 1934;

4. **VERTICAL CONTROL**

Vertical control consists of tidal bench marks. All existing ones were recovered. They are as follows: LITTLE LAKE TIDAL BENCH MARK NO 1, 2, and 3; MANILLA VILLAGE TIDAL BENCH MARK NO 1, 2, 3, 4, and 5; HACKBERRY BAY TIDAL BENCH MARK NO.1, 2, and 3; BAYOU ST DENIS TIDAL BENCH MARK NO.1, 2, and 3.

See Paragraph 5 for discussion of vertical control for contouring.
5. **CONTOURING AND DRAINAGE**

As practically the entire area is marsh, there is no relief in the quadrangle. Spot elevations were established at widely spaced intervals, according to the project instructions. Vertical control for the contouring was obtained by establishing tide staffs at the various tidal bench marks. The staffs were read and the water elevations recorded. Hand level methods were used to obtain spot elevations, using the water level as datum. These were recorded on the field photographs and reduced to half tide level from the tide staff record. The tide staffs used in various areas have been indicated on the photographs.

The drainage is all tidal and is easily discernible on the photographs.

6. **WOODLAND COVER**

Woodland coverage consists of small areas of trees, on the fast ground, which have been indicated on the field photographs.

7. **SHORELINE AND ALONGSHORE FEATURES**

All shoreline is apparent except for small shell beaches.

The mean low water line is contiguous with the mean high water line.

There is a house boat docked in a slip that is dredged in the island in the center of Hackberry Bay. This house boat remains in the oil field but it has been moved since photography and may be moved again. It has been deleted and the field editor is cautioned not to assume this house boat is in a permanent location.

8. **OFFSHORE FEATURES**

Adequately covered by the photographs. Piling were located by planctable methods using well and platforms identifiable on the photographs as control.

The Texas Company has supplied a list of positions for the wells in Bayou de Chene Field but some wells do not exist, either because they were dry or not drilled. The existing wells were identified on the field photographs.

9. **LANDMARKS AND AIDS**

All landmarks and aids are reported on Forms 524 and 567.
10. **BOUNDARIES, MONUMENTS AND LINES**

See "Special Report, Boundaries, Project Ph-90" and "Special Report, Public Land Lines, Project Ph-90".

11. **OTHER CONTROL**

One landmark and three aids to navigation have been located as recoverable topographic stations and have been reported on Form 524.

12. **OTHER INTERIOR FEATURES**

There are a number of trappers cabins which have been indicated on the photographs. Due to lack of cultural features these are landmarks in themselves and should be mapped as Class 1 buildings.

The Texas Company Map No. 130633, Gas Line, Golden Meadow to Bayou St. Denis, shows route of a pipeline crossing the area from west to east. This pipeline has been identified on the photographs.

13. **GEOGRAPHIC NAMES**

See "Special Report, Geographic Names, Project Ph-90."

14. **SPECIAL REPORTS AND SUPPLEMENTAL DATA**

Letter of Transmittal No. 90-5, Forms 567, to be forwarded to Washington Office at a later date.

Letter of Transmittal No. 90-6, Forms 567, to be forwarded to Photogrammetric Office at a later date.


Letter of Transmittal No. 90-8, "Special Report, Geographic Names, Project Ph-90", to be forwarded to Washington Office at a later date.

Two (2) sheets, Bay de Chene Field, positions of wells, The Texas Company Map No. 130633, 8" Gas Line, Golden Meadow to Bayou St. Denis, The Texas Company, forwarded to Washington Office with data for quadrangle T-9676.

Letter of Transmittal No. 90-31, Data: Quadrangle T-9676, forwarded to Washington Office. MAY 14 1953

Submitted
13 May 1953

[Signature]
Eugene T. Ogilby
Cartographic Survey Aid

Approved & Forwarded
MAY 14 1953

[Signature]
E. H. Kirsch
Chief of Party
<table>
<thead>
<tr>
<th>STATION</th>
<th>SOURCE OF INFORMATION (INDEX)</th>
<th>LATITUDE OR ( u )-COORDINATE</th>
<th>LONGITUDE OR ( x )-COORDINATE</th>
<th>DISTANCE FROM GRID IN FEET, OR PROJECTION LINE IN METERS</th>
<th>DATUM CORRECTION</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>29° 28' 20.202''</td>
<td>90° 01' 27.951''</td>
<td>613.6 (1203.7)</td>
<td></td>
</tr>
<tr>
<td>MUD, 1934</td>
<td>G2386</td>
<td></td>
<td>90° 03' 20.347''</td>
<td>753.2 (1533.1)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>P. 77</td>
<td>29° 23' 19.807''</td>
<td>90° 04' 23.165''</td>
<td>609.8 (1237.5)</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>29° 25' 39.278''</td>
<td>90° 04' 23.165''</td>
<td>518.7 (1037.2)</td>
<td></td>
</tr>
<tr>
<td>HEBBERRY 3, 1934</td>
<td></td>
<td></td>
<td>90° 01' 23.429''</td>
<td>1209.3 (2418.0)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>P. 95</td>
<td></td>
<td>90° 01' 23.429''</td>
<td>692.9 (1385.8)</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>29° 29' 15.165''</td>
<td>90° 01' 23.429''</td>
<td>176.2 (352.4)</td>
<td></td>
</tr>
<tr>
<td>RAN, 1934</td>
<td>P. 95</td>
<td></td>
<td>90° 01' 23.429''</td>
<td>631.2 (1262.4)</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>29° 29' 14.962''</td>
<td>90° 01' 02.175''</td>
<td>1384.3 (2768.6)</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>90° 01' 02.175''</td>
<td>58.6 (117.2)</td>
<td></td>
</tr>
<tr>
<td>ST. DENNIS 3, 1934</td>
<td>P. 78</td>
<td>29° 28' 11.040''</td>
<td>89° 59' 25.146''</td>
<td>132.3 (264.5)</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>89° 59' 25.146''</td>
<td>681.8 (1363.6)</td>
<td></td>
</tr>
<tr>
<td>NIS, 1934</td>
<td></td>
<td>29° 25' 45.193''</td>
<td>90° 03' 28.918''</td>
<td>1391.4 (2782.8)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>P. 95</td>
<td>29° 25' 45.193''</td>
<td>90° 03' 28.918''</td>
<td>779.5 (1559.0)</td>
<td></td>
</tr>
<tr>
<td>NET, 1934</td>
<td></td>
<td>29° 27' 38.382''</td>
<td>90° 03' 31.725''</td>
<td>1181.7 (2363.4)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>P. 95</td>
<td>29° 27' 38.382''</td>
<td>90° 03' 31.725''</td>
<td>935.7 (1871.4)</td>
<td></td>
</tr>
<tr>
<td>JOS, 1934</td>
<td></td>
<td>29° 27' 22.910''</td>
<td>90° 06' 32.881''</td>
<td>705.4 (1410.8)</td>
<td></td>
</tr>
<tr>
<td>LITTLE, 1934</td>
<td></td>
<td></td>
<td>90° 06' 32.881''</td>
<td>886.0 (1772.0)</td>
<td></td>
</tr>
</tbody>
</table>
PHOTOGRAMMETRIC PLOT REPORT
Submitted with T-9865

31. DELINEATION

The graphic method was used.

The field inspection was adequate and no difficulty was encountered in the delineation.

The northern two minutes of the manuscript was compiled from the U.S. Navy single-lens ratio prints because of lack of coverage of nine-lens photographs.

It was possible in certain areas of the manuscript to obtain two-cut intersections only on detail points, because of lack of photograph coverage. These areas are in the northern and eastern parts of the manuscript. However the detail is believed to be within the limits of accuracy. These two-cut intersections are shown with green ink on the manuscript.

Only those oil wells shown on the photographs were delineated (see Item 8). It will be noted however that all the oil wells were plotted using the positions given by the Texas Co. The wells were then located photogrammetrically in an effort to check the radial plot. Some wells checked the plotted position and others did not. It was learned however that the positions given by the Texas Company were those of reference points and not necessarily those of the actual wells.

32. CONTROL

Reference Photogrammetric Plot Report.

33. SUPPLEMENTAL DATA

The Texas Company Map of the 8th Gas Line, scale 1:20,000 dated August 1948.

The bearings and distances given on this map check the radial plot position of the pipe lines.

34. CONTOURS AND DRAINAGE

The field inspection has given numerous spot elevations throughout the sheet but only one contour was shown.

35. SHORELINE AND ALONGSHORE DETAILS

The mean-high-water line was delineated according to the photographs and the field inspector's notes. All alongshore detail has been shown on the manuscript. The shoals were shown according to the
field inspector's notes. (See field photograph 39550). Shoreline inspection was adequate.

36. OFFSHORE DETAILS

All offshore details, mostly wells and platforms, have been shown. (See Item 8).

37. LANDMARKS AND AIDS

There are three fixed aids to navigation located on shore, for which Forms 52b have been submitted. A radio tower has been recommended for charting as a landmark.

38. CONTROL FOR FUTURE SURVEYS

See Item 11. A list of recoverable topographic stations has been prepared and listed under Item 49.

39. JUNCTIONS

A junction has been made with T-9677 to the west. No contemporary survey to the north. A junction will be made with T-9867 to the south after field edit. No contemporary survey to the east, but a junction with U.S.G.S. Quadrangle Wilkinson Bay, scale 1:31,680, 1935 was attempted. Due to the natural erosion of the shoreline since 1935, it was impossible to obtain a junction. The detail was shown about 1.5 cm past the neat line in accordance with the Topographic Manual 5414.

40. HORIZONTAL AND VERTICAL ACCURACY

See Item 31 concerning two cut intersections.

41. BOUNDARIES

The parish line was drawn according to a map prepared by J. A. Lovell, using bearings and distances shown thereon instead of the description as given in the Boundary Report. It will be noted that the distances given on the Lovell map do not put the parish line in the center of Grand Bayou in some instances, although the description does so.

The field editor should determine if possible, the correct position of the line.
The courts, it will be noted in the boundary report, adjudged the Lovell map an accurate, true and correct survey. However, the ruling is being appealed.

12. PUBLIC LAND LINES

Public Land Lines were shown using three sources: (1) G.L.O. plats, (2) U.S.G.S. Quad BAY DOSGROS, and (3) The Texas Co. 8" Pipe Line. The Texas Co. map was used in controlling the section lines. A point was given on the pipe line that tied down the range line between R23E and R24E. The map being relatively late and the same scale as the manuscript, section lines in T20S R23E were shown by holding control and common detail.

Sections 37 and 38 were taken from U.S.G.S. Quad, there being no bearings and distances given on the G.L.O. plats with the exception of Section 37 in T19S R23E. In this particular section, a difference occurs between the G.L.O. plat and the Quad. (See Section Line Discrepancy Print).

In other areas of the manuscript the G.L.O. plats were used.

16. COMPARISON WITH EXISTING MAPS

Comparison has been made with BAY DOSGROS Quadrangle 1:31,680 edition of 1935; and Planometric Map T-5300, 1:20,000, edition of 1934.

Both maps compare favorably with the manuscript except for natural erosion of the shoreline and some islands and the addition of man-made detail.

17. COMPARISON WITH NAUTICAL CHARTS

Comparison has been made with C&GS Chart 1273, 1:80,000 edition of Jan. 1937, revised to 5 Sept. 1955.

The maps listed in Item 16 were probably the sources of topography for the chart. The same differences exist between the chart and the manuscript.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None.

ITEMS TO BE CARRIED FORWARD

None.

Approved and Forwarded:

H. C. Applequist
Chief of Party
Geographic Names.

Alambro Cemetery (new name, not previously reported)
Bay de Chene Oil Field (see note below)
Bay Doggris
Bayou Cassis-tete
Bayou Cholas
Bayou Defond
Bayou Cutler
Bayou Dosgris
Bayou St. Denis

Coffee Bay
Coffee Bayou
Creole Bay
Creole Pass

East Fork Bayou l'Ors.

Grand Bayou

St. Bernard

Jefferson Parish

Little Lake
Live Oak Bay
Louisiana

Manila Bayou
Manila Village Oil Field (from 1955 Jefferson Parish Highway Map)
Mud Lake
Old Grand Bayou
St. Joseph Bay
Snail Bay
Snail Bayou

Names approved Jan. 16, 1957
L. H. Eck, A.

While there is no objection to using "The Texas Company", the U.S.G.S. in the new 1955 quads of SW Louisiana (also NRC quads) use only the name of the oil field and do not give the names of the operating companies. The same applies to the newest USGS quads in Texas.
I recommend that the following objects which have been inspected from seaward to determine their value as landmarks be charted on the charts indicated.

The positions given have been checked after listing by I. I. Saperstein

<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>CHARTS AFFECTED</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>The Texas Co. Bay deChene Field</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>N.A. Radial Plot</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>ht. 2 19b (196)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
PHOTOGRAMMETRIC OFFICE REVIEW

T-9678


ALONGSHORE AREAS
(Nautical Chart Data)


PHYSICAL FEATURES


CULTURAL FEATURES


BOUNDARIES

31. Boundary lines ____________ J.G. 32. Public land lines ____________ J.G.

MISCELLANEOUS


40. William A. Ranew ____________ Reviewer Jesse A. Giles ____________ 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.

William A. Ranew ____________ Compiler

Supervisor

43. Remarks:
62. **Comparison with Registered Topographic Surveys:**

T-5300 1:20,000 1934

Numerous changes have occurred since the survey of 1934, mainly additional canals and construction of oil wells with accompanying piling, piers and platforms. T-7678 is to supersede T-5300 for nautical charting purposes of common areas.

63. **Comparison with Maps of Other Agencies:**


Changes listed under item 62 apply also to this quadrangle of identical time period.

64. **Comparison with Contemporary Hydrographic Surveys:**

None

65. **Comparison with Nautical Charts:**

<table>
<thead>
<tr>
<th>Number</th>
<th>Scale</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>1273</td>
<td>1:80,000</td>
<td>Revised to 58 3/3</td>
</tr>
<tr>
<td>1050</td>
<td>1:175000</td>
<td>Revised to 57 2/25</td>
</tr>
</tbody>
</table>

Agreement between subject survey and listed nautical charts is good. 1956 single-lens photography used in the revision of T-9678 was applied to the larger-scale nautical chart as well. The chart of 1:175000 scale compares as good as scale difference permits.

66. **Adequacy of Results and Future Surveys:**

Results of 1956 single-lens photography was applied to the original compilation manuscript by office interpretation only--without benefit of field inspection or field edit. The photography appears adequate for such revision, which is believed to be adequate and accurate.

Reviewed by:

Josef J. Streifler
La Lande
Chief, Review & Drafting Sec.
Photogrammetry Division

Chief, Nautical Chart Branch
Charts Division

Chief, Photogrammetry Div.
Chief, Coastal Surveys

20 February 1959
49. NOTES FOR THE HYDROGRAPHER

The following are recoverable topographic stations for which Form 524 have been submitted:

Bayou St. Denis Lt. 7, 1953
Bayou St. Denis Lt. 13, 1953
Bayou Cutler Entrance Lt. 1953
Radio Tower, 1953
<table>
<thead>
<tr>
<th>Time</th>
<th>Height</th>
<th>Height x Ratio of ranges</th>
<th>Time</th>
<th>Height</th>
<th>Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>High tide</td>
<td>1.7</td>
<td>0.5</td>
<td>High tide at Ref. Sta.</td>
<td>6:42</td>
<td></td>
</tr>
<tr>
<td>Low tide</td>
<td>0.3</td>
<td>0.1</td>
<td>Time difference</td>
<td>0:50</td>
<td></td>
</tr>
<tr>
<td>Corrected time at Subordinate station</td>
<td>7:32</td>
<td></td>
<td>Corrected time at Subordinate station</td>
<td>20:25</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Time</th>
<th>Required time</th>
<th>Interval</th>
<th>Ht. H. T. or L. T.</th>
<th>Tabular correction</th>
<th>Stage of tide above MLW</th>
<th>Feature bares</th>
<th>Stage of tide above MLW</th>
<th>Feature above MLW</th>
<th>Photo. No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>7:32</td>
<td>3:09</td>
<td>10:41</td>
<td>Feature bares</td>
<td>Stage of tide above MLW</td>
<td>Feature above MLW</td>
<td>39550</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
### Nautical Charts Branch

**Survey No. T-9678**

Record of Application to Charts

<table>
<thead>
<tr>
<th>DATE</th>
<th>CHART</th>
<th>CARTOGRAPHER</th>
<th>REMARKS</th>
</tr>
</thead>
<tbody>
<tr>
<td>4-2-59</td>
<td>1271</td>
<td>RHD</td>
<td>No corrections, details not changed at 29°36' 49°07'</td>
</tr>
</tbody>
</table>

Before After Verification and Review

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.