

9875

Original

Diag. Cht. No. 1274-2.

Form 504	
U. S. COAST AND GEODETIC SURVEY	
DEPARTMENT OF COMMERCE	
DESCRIPTIVE REPORT	
Type of Survey <u>TOPOGRAPHIC</u>	
Field No. <u>Ph-90</u>	Office No. <u>T-9875</u>
LOCALITY	
State <u>LOUISIANA</u>	
General locality <u>TIMBALIER RAY</u>	
Locality <u>PELICAN PASS</u>	
<u>194</u>	
CHIEF OF PARTY	
E. H. Kirsch, Chief of Field Party	
H. C. Applequist, Tampa Photo Office	
LIBRARY & ARCHIVES	
DATE <u>JUN 5 1958</u>	

B-1870-1 (1)

9875

DESCRIPTIVE REPORT - DATA RECORD

T - 9875

Project No. (II): 24200 (Ph-90) Quadrangle Name (IV):

Field Office (II): Houma, Louisiana

Chief of Party: E. H. Kirsch

Photogrammetric Office (III): Tampa Florida

Officer-in-Charge: H. C. Applequist

Instructions dated (II) (III): 5 September 1952
25 September 1952 (Supplement 1)
30 September 1952 (Supplement 2)

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):

OCT 19 1956

Date reported to Nautical Chart Branch (IV):

Applied to Chart No.

Date:

Date registered (IV):

5-9-58

Publication Scale (IV):

Publication date (IV):

Geographic Datum (III): N. A. 1927

Vertical Datum (III):

Mean sea level except as follows:
Elevations shown as (25) refer to mean high water
Elevations shown as (5) refer to sounding datum
i.e., mean low water or mean lower low water

Reference Station (III): Camp, 1934

Lat.: $29^{\circ}11'00''$.481 (14.8m)

Long.: $90^{\circ}17'57''$.541 (1554.7m)

Adjusted
~~Unadjusted~~

Plane Coordinates (IV):

State:

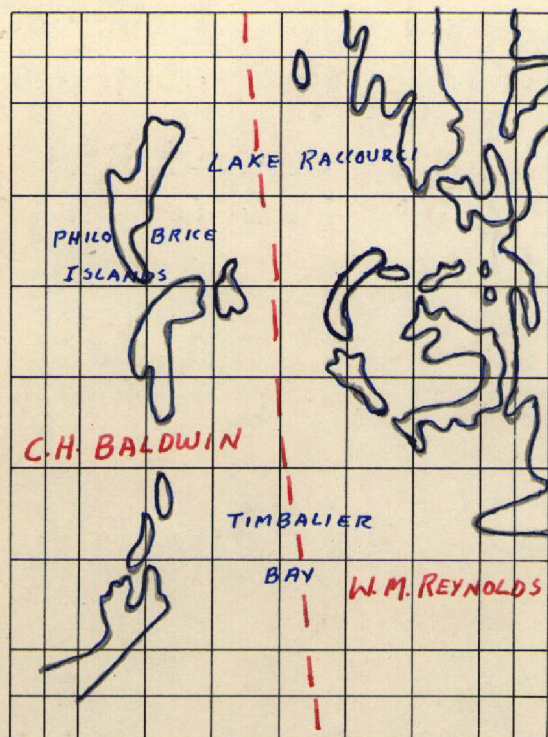
Zone:

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)

DESCRIPTIVE REPORT - DATA RECORD

Field Inspection by (II): W. M. Reynolds
C. H. Baldwin

Date: February 1953

Planetable contouring by (II): W. M. Reynolds
C. H. Baldwin

Date: February 1953

Completion Surveys by (II):

Date:

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

~~February 1953~~ 1956
Air Photo Compilation

Projection and Grids ruled by (IV):

Date:

Projection and Grids checked by (IV):

Date:

Control plotted by (III): R. R. Wagner

Date: 25 October 1954

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

Date: 25 October 1954

Radial Plot or Stereoscopic

Date: 27 January 1956

~~Control extension by (III):~~ M. M. Slavney

Planimetry

Date:

Stereoscopic Instrument compilation (III): Inapplicable

Contours

Date:

Manuscript delineated by (III): W. H. Shearouse

Date: 6 August 1956

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

Date: 30 August 1956

Elevations on Manuscript

checked by (II) (III): J. A. Giles

Date: 29 August 1956

DESCRIPTIVE REPORT - DATA RECORD

Camera (kind or source) (III): C&GS 9*1ens

Number	Date	Time	Scale	Stage of Tide
39419	28 Sept. 1952	11:10	1:20,000	no tide
39487	29 Sept. 1952	08:35	1:20,000	" "
39515	" " "	09:40	1:20,000	" "
39517	" " "	09:41	1:20,000	" "

Single-lens photography:
56-W-4288 to 4292 (incl.) 10-24-1956 1:30000
56-W-4343 to 4347 " " "
56-W-4496 to 4500 " " "

Tide (III)

inapplicable

Reference Station:
Subordinate Station:
Subordinate Station:

Ratio of Ranges	Mean Range	Spring Range

Washington Office Review by (IV):

Date:

Final Drafting by (IV):

Date:

Drafting verified for reproduction by (IV):

Date:

Proof Edit by (IV):

Date:

Land Area (Sq. Statute Miles) (III): 19

Shoreline (More than 200 meters to opposite shore) (III): 42

~~Shoreline (Less than 200 meters to opposite shore) (III):~~

Control Leveling - Miles (II): none

Number of Triangulation Stations searched for (II): 5

Recovered: 3

Identified: 3

Number of BMs searched for (II): 3

Recovered: 3

Identified: 3

Number of Recoverable Photo Stations established (III): 4

Number of Temporary Photo Hydro Stations established (III): none

Remarks: 2 Triangulation Stations - Camp 2, 1953 and Philo 2, 1953 were established.

SUMMARY
TO ACCOMPANY TOPOGRAPHIC MAP T-9875

This topographic survey is one of PH-90 (6090) and covers the northeastern portion of Timbalier Bay off the Louisiana Coast of the Gulf of Mexico.

The majority of the area is shallow water--the balance represents marshy islands with a maximum ground elevation of only 3 feet. Shoreline and shapes of islands are subject to frequent and extensive changes caused by natural elements and to some extent in the exploration and development of oil.

Along with other quadrangles of this project, T9875 was compiled originally by graphic method at the Tampa District Office in 1955 from nine-lens photography of 1952 and 1953 field inspection. In 1957 the manuscript was revised from 1956 single-lens photography by office interpretation only and subsequently scribed at the Tampa District Office to obtain good reproduction medium for final registration copy.

Hydrographic information will be added to the compilation according to U. S. Geological Survey specification and released to that agency for the publication of a standard $7\frac{1}{2}$ minute quadrangle at the scale of 1:24,000. A previous publication of identical area (PELICAN PASS) by the Geological Survey of 1935 at 1:31680 will become obsolete.

A "Cronar" film positive at manuscript scale of 1:20,000 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.

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2. AREAL FIELD INSPECTION

The land area is composed of numerous islands and points of the marsh mainland along the eastern side and with a group of marsh islands known as the Philo Brice Islands along the western side. A part of the Casse-tete Island group is located along the southern side of the quadrangle. The remainder of the area is water, composed of parts of Timbalier Bay and Lake Raccourci.

The entire land area is marsh and uninhabited except for seasonal occupation of the many cabins during the winter trapping season.

An oil field is being developed in the Lake Raccourci area by the Humble Oil and Refining Company. The main part of the operations is located around the northerly end of Philo Brice Islands. The drilling is typical of offshore operations. When a well is completed the rig is moved to another location and the well casing with a protective and maintenance platform around it is left above the water. Some of the wells are visible on the photographs and others are not.

Louisiana State Plane Coordinates, South Zone (Lambert), are being furnished for each well. This information is contained in a letter from the Humble Oil and Refining Company to Commander E. H. Kirsch dated 24 April 1953. A copy of this letter is incorporated in this report. It is to be noted that Well State Lease No. 9 was drilling at that date and Well No. 10, same lease, is a location. These two wells should be checked for completion by the field editor as No. 9 may come in as a dry hole and No. 10 may never even be drilled.

Catwalks, tanks, buildings and other structures in the field are adequately covered by the photographs as of the date of field inspection. The field editor should check the area for new tanks, catwalks, etc. constructed since field inspection as additional wells are brought in.

Photography was of recent date and no difficulty was encountered in their interpretation in the field. Field inspection was performed on the following photographs: 39419, 39452, 39514, 39517, and MDA-28-90.

No items were deliberately left for the field editor but the above mentioned oil field will probably have been expanded and new wells will be producing.

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3. HORIZONTAL CONTROL

All horizontal control was searched for and where found was identified.

The following stations were reported lost: DEEP 1934, DEVIL 1934, and TETE 1934. Station TETE 1934 was identified using Reference Marks 1 and 2.

No control of any other agency was recovered and no supplemental control was established.

Stations PHILO 2 1953 and CAMP 2 1953 were established as maintenance work and not as supplemental control.

4. VERTICAL CONTROL

Three Coast and Geodetic Survey tidal bench marks were recovered and identified. They are TIMBALIER BAY TIDAL BENCH MARKS 11, 12 and 13.

No supplemental control were established.

5. CONTOURS AND DRAINAGE

Elevations for the marsh were determined by hand level from the level of the water. The water level was determined by setting a tide staff, which was referenced to the previously mentioned bench marks. The staff was read and recorded at 30 minute intervals and the elevations were reduced from these readings.

All drainage is tidal and self-evident from the photographs.

6. WOODLAND COVER

There is none.

7. SHORELINE AND ALONGSHORE FEATURES

As the area is almost entirely marsh the shoreline is apparent throughout except along shell deposits in the marsh and a few shell islands.

There is little periodic tide in the area and the low water line is synonymous with the mean high water line.

All shoreline structures are adequately covered by the photographs.

There are no submarine cables in the area.

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8. OFFSHORE FEATURES

The only offshore features are the oil wells and tank batteries located in the Lake Raccourci area. These are adequately covered under Paragraph 2 of this report.

9. LANDMARKS AND AIDS

There are no landmarks for nautical charts in the area.

There are no aeronautical aids in the area.

Existing aids to navigation were located by photogrammetric methods. All are listed on Form 567.

10. BOUNDARIES, MONUMENTS AND LINES

See "Special Report, Boundaries, Project Ph-90" for political boundary data and "Special Report, Public Land Lines, Project Ph-90" for land lines data.

11. OTHER CONTROL

Form 524 were submitted for four of the previously listed aids.

Recovery notes were submitted for the following ten 1934 recoverable topographic stations: VIL, PIER, HIGH, LIT, BOR, SAND, PAM, NIB, BRICE, and BIN.

12. OTHER INTERIOR FEATURES

There are no roads in the area.

The only buildings are cabins occupied seasonally by trappers. These should be mapped as Class 1 buildings for their landmark value and have been labeled "cabins" on the photographs.

There are no bridges or cables over navigable waters.

There are no airports or landing fields.

13. GEOGRAPHIC NAMES

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

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HUMBLE OIL & REFINING COMPANY
 PRODUCTION DEPARTMENT
 LOUISIANA DIVISION
 909 S. Jefferson Davis Parkway
 Post Office Box 626
 New Orleans 7, La

April 24, 1953

United States Coast & Geodetic Survey
 Post Office Box 573
 Houma, Louisiana

Attention: Commander E. H. Kirsch

Dear Sir:

In accordance with your request the following is a tabulation of the Lambert Grid Coordinates of Humble's wells in the Lake Raccourci area:

<u>Well No.</u>	<u>Coordinates</u>	
	X	Y
State Lse. 1450		
No.1	2, 315, 439.7	209, 977.6
State Lse. 1451		
No.1	2, 318, 712.1	210, 061.3
State Lse. 1452		
No.1	2, 324, 793.9	202, 121.5
No.2	2, 321, 871.2	205, 762.7
State Lse. 1480		
No.1	2, 315, 784.7	205, 743.3
No.2	2, 311, 795.3	208, 369.1
No.3	2, 310, 278.9	205, 996.8
No.4	2, 312, 693.5	203, 059.7
No.5	2, 311, 406.6	203, 050.0
No.6	2, 316, 612.4	200, 155.3
No.7	2, 314, 011.0	204, 373.8
No.8	2, 310, 025.9	204, 298.8
(as staked) (Drilling) No.9	2, 310, 026.7	201, 700.2
(as staked) (Location) No.10	2, 314, 921.1	207, 971.8

If there are any other well positions which you would like to have, we will be glad to furnish them to you.

Very truly yours,

HUMBLE OIL & REFINING COMPANY
 S. S. LANGFORD

By /s/ H. A. Ratchford
 H. A. Ratchford

JST;jp

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14. SPECIAL REPORTS AND SUPPLEMENTAL DATA

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

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

Letter of Transmittal No. 7, "Special Report, Public Land Lines, Project Ph-90", forwarded to Washington Office 29 April 1953.

Letter of Transmittal, Public Land Lines data, forwarded to Washington Office 28 January 1953.

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

Letter of Transmittal No. 9, "Special Report, Boundaries, Project Ph-90", forwarded to Washington Office 6 May 1953.

Print of Lake Raccourci Oil Field by Humble Oil & Refining Company. A second up-to-date print of Humble Oil & Refining Company's Lake Raccourci Field to be forwarded when received.

Letter of Transmittal No. 90-29, Data, Quadrangle T-9875(), forwarded to Washington Office **MAY 13 1953**

Submitted
12 May 1953

William M. Reynolds
William M. Reynolds
Cartographic Survey Aid

Approved & Forwarded
MAY 13 1953

E. H. Kirsch
E. H. Kirsch
Chief of Party

SCALE FACTOR

1 FT. = .3046006 METER COMPUTED BY: B. Wilson	10/20/53	CHECKED BY: J. Steinberg	DATE 10/20/53	COMM-DC-57843
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COMPILATION REPORT T-9875PHOTOGRAMMETRIC PLOT REPORT

Submitted with T-9865.

31. DELINEATION

The graphic method was used. Photographs were of good scale and no difficulty was encountered in interpretation.

Field inspection was adequate.

32. CONTROL

Refer to Photogrammetric Plot Report.

A sta. HUMBLE (Humble Oil Co.) has been plotted and shown on the map manuscript although it was not recovered and no description is available to this office. w.a.g.

33. SUPPLEMENTAL DATA

A print of the Humble Oil & Refining Company's map of the Lake Raccourci oil field, listed under item 14, together with Lambert Grid Coordinates furnished by the same company and listed on page 10, were used to plot the oil wells in the Lake Raccourci area.

34. CONTOURS AND DRAINAGE

There is no elevation exceeding 3 feet.

The tidal drainage throughout was readily delineated.

35. SHORELINE AND ALONGSHORE DETAILS

Refer to Item 7.

Shoreline inspection was adequate. There were no shoal lines indicated by the field inspector nor are they clearly visible on the photographs.

36. OFFSHORE DETAILS

Storage tanks, catwalks, etc. were taken from the photographs. The Field Editor is requested to verify the completeness of these features.

37. LANDMARKS AND AIDS

Reference Item 9.

38. CONTROL FOR FUTURE SURVEYS

Four(4) Forms 524 for recoverable topographic stations are transmitted with this report.

Item 11 states that Form 524 was submitted for four aids. Two of these are surrounded by water and do not require 524's.

Also the "Lost" 1934 recoverable topographic stations are listed under Item II. Only two are recoverable for future surveys. The four stations are listed in paragraph 49.

39. JUNCTIONS

Junctions have been made with T-9865 to the north; T-9883 to the south; T-9876 to the east; and T-9874 to the west.

40. HORIZONTAL AND VERTICAL ACCURACY

No Statement.

41. PUBLIC LAND LINES AND BOUNDARIES

No General Land Office survey is available for land lines.

The Parish Line labelled "indifinite" is shown in accordance with recommendations in the "Special Report, Boundaries" for the project.

46. COMPARISON WITH EXISTING MAPS

Comparison was made with U.S.G.S. Pelican Pass Quadrangle, scale 1:31,680 published in 1935 and Coast and Geodetic Survey planimetric map No.T-5298 dated Dec. 1932, scale 1:20,000. Numerous minor shoreline changes have occurred and several marsh islets have disappeared.

47. COMPARISON WITH NAUTICAL CHARTS

Nautical Chart No. 1274, scale 1:80,000, published in 1938 and corrected to 13 August 1956 was used for comparison. Planimetric Map T-5298 appears to be the source of the topography for the nautical chart and the same differences mentioned under 46 occur.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None.

ITEMS TO BE CARRIED FORWARD

None.

Approved and Forwarded

William A. Rasore

for H. C. Applequist
Chief of Party

William H. Shearouse
William H. Shearouse
Carto Photo Aid.

T-9875

Geographic Names

Bayou BlueBayou RosaCapon PointCasse-tete IslandChina BayouCoal Tar BayDeep BayouDevils BayDevils IslandJack Camp BayLafourche ParishLake RaccourciLandry BayLittle LakeLouisianaNorthwest IslandPearl BayouPelican PassPhilo B. ice IslandsPickett BayPierle BayRosa BayShallow BayouSouthwestern Louisiana Canal (small portion here)Terrebonne ParishTimbalier BayWrong Name Pass

Names approved 11-28-56

L. Beck *L.A.*

49. NOTES FOR THE HYDROGRAPHER

The following recoverable topographic stations for which Form 524's have been submitted will be of value to the hydrographer:

HIGH (1934) 1953 SOUTHWEST LOUISIANA CANAL LIGHT 1953

VIL (1934) 1953 DEEP BAYOU LIGHT, 1953

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

Photogrammetric Review Branch

NONFLOATING AIDS OR LANDMARKS FOR CHARTS

TO BE CHARTED

STRIKE OUT ONE

~~TO BE CHARTED~~

Tampa, Florida

August 1954

I recommend that the following objects which have (~~been~~) been inspected from seaward to determine their value as landmarks be charted on (~~charts~~) the charts indicated.

The positions given have been checked after listing by

William H. Shearouse

H. G. Applequist, Chief of Party.

STATE	CHARTING NAME	DESCRIPTION	SIGNAL NAME	POSITION							METHOD OF LOCATION AND SURVEY No. 1	DATE OF LOCATION	HARBOR CHART	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTE
				LATITUDE *		LONGITUDE *			DATUM							
				° ' "	D. M. METERS	° ' "	D. P. METERS									
LOUISIANA		TIBBOLIER BAY														
	LIGHT 24	7-pile dolphin. Privately maintained by Gulf Refining Co.		29 07	31.73 977	90 16	56.34 1523	N.A. 1927	Radial Plot T-98875	Feb. 1953	X	X		1050 1274		
	LIGHT 28	7-pile dolphin. Privately maintained by Gulf Refining Co.		29 07	44.40 1367	90 16	19.05 515	"	"	"	X	X		1050 1274		
	LIGHT 72	7-pile dolphin. Privately maintained by Gulf Refining Co.		29 07	57.69 1776	90 15	39.28 1052	"	"	"	X	X		1050 1274		
	LIGHT 96	Red box on dolphin		29 09	10.52 326	90 15	00.52 14	"	"	"	X	X		1050 1274		
	LIGHT	Pollo Drice Island, Black triangular slatted structure on pile		29 11	31.73 977	90 20	58.74 1537	"	"	"	X	X		1050 1274		
		LAKE BACCHUGY														
	LIGHT	Red box on pile		29 12	21.89 674	90 16	42.13 1111	"	"	"	X	X		1050 1274		
	LIGHT	DEEP BAYOU Pile, white reflector Privately maintained by Humble Oil and Refining Co.		29 12	58.37 1797	90 17	06.11 165	"	"	"	X	X		1050 1274		
	LIGHT	Southwest Louisiana Canal Pile, white Reflector. Privately maintained by Humble Oil & Refining Co.		29 14	37.65 1152	90 15	15.40 426	"	"	"	X	X		1050 1274		

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

50.

PHOTOGRAMMETRIC OFFICE REVIEW

T- 9875

1. Projection and grids J.G. 2. Title J.G. 3. Manuscript numbers J.G. 4. Manuscript size J.G.
Classification label unclassified

CONTROL STATIONS

5. Horizontal control stations of third-order or higher accuracy M.M.S. 6. Recoverable horizontal stations of less than third-order accuracy (topographic stations) J.G. 7. Photo hydro stations XX 8. Bench marks J.G. 9. Plotting of sextant fixes J.G. 10. Photogrammetric plot report J.G. 11. Detail points J.G.

ALONGSHORE AREAS

(Nautical Chart Data)

12. Shoreline J.G. 13. Low-water line XX 14. Rocks, shoals, etc. XX 15. Bridges XX 16. Aids to navigation J.G. 17. Landmarks XX 18. Other alongshore physical features J.G. 19. Other along-shore cultural features J.G.

PHYSICAL FEATURES

20. Water features J.G. 21. Natural ground cover J.G. 22. Planetable contours XX 23. Stereoscopic instrument contours XX 24. Contours in general XX 25. Spot elevations J.G. 26. Other physical features J.G.

CULTURAL FEATURES

27. Roads XX 28. Buildings J.G. 29. Railroads XX 30. Other cultural features J.G.

BOUNDARIES

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

MISCELLANEOUS

33. Geographic names J.G. 34. Junctions J.G. 35. Legibility of the manuscript J.G. 36. Discrepancy overlay J.G. 37. Descriptive Report J.G. 38. Field inspection photographs J.G. 39. Forms J.G.

40. Jesse A. Giles
Jesse A. Giles Reviewer

William A. Rasure
Supervisor, Review Section or Unit William A. Rasure

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:

REVIEW REPORT OF
TOPOGRAPHIC MAP T-9875
December 1957

61. GENERAL STATEMENT

T-9875 is one of the topographic surveys of project PH-90 originally compiled from 1952 photography and 1953 field inspection. Later photography (1956 single-lens) was the source of revisions applied to the manuscript--without benefit of field inspection or field edit.

62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS

T-5298.	1:20,000	1934
T-6066	1:20,000	1934

The land area of subject survey are marsh islands, that are eroding constantly. There are minor shoreline differences throughout and some additional canals since the last survey. T-9875 is to supersede above-listed surveys for nautical charting purposes of common areas.

63. COMPARISON WITH MAPS OF OTHER AGENCIES

PELICAN PASS, LA., 1:31680, 1935, U. S. Geological Survey. See item No. 62 for identical differences.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS

There are no contemporary hydrographic surveys of this area.

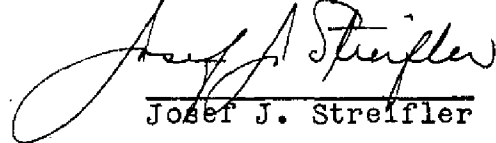
65. COMPARISON WITH NAUTICAL CHARTS

With the exception of newly constructed canals on islands surrounding LITTLE LAKE and a dredged channel from DEEP BAYOU to WRONG NAME PASS there are no major differences between subject survey and above-listed nautical charts.

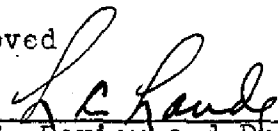
66. ADEQUACY OF RESULTS AND FUTURE SURVEYS

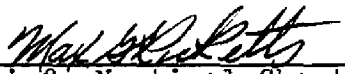
The application of changes to the original compilations as clearly indicated on the 1956 photography appears appropriate in this case. The lack of a field inspection and completion survey do not necessarily indicate deficiencies in accuracy or adequacy.

Reviewed by

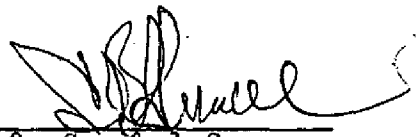

Josef J. Streifler

Approved


Chief, Review and Drafting Section
Photogrammetry Division


Chief, Nautical Charts
Branch, Charts Division

Act. 
Chief, Photogrammetry Division


Chief, Coastal Surveys