

# 9663

ORIGINAL

Diag. Cht. No. 1268-2.

Form 504	
U. S. COAST AND GEODETIC SURVEY DEPARTMENT OF COMMERCE	
<b>DESCRIPTIVE REPORT</b>	
Type of Survey	TOPOGRAPHIC
Field No. <del>Nh-89</del>	Office No. T-9663
LOCALITY	
State	LOUISIANA
General locality	CHANDELEUR SOUND
Locality	SHELL ISLAND LAKE
<u>1955</u>	
CHIEF OF PARTY P. L. Bernstein, Chief of Field Party Ira R. Rubottom, Tampa Photo. Office	
LIBRARY & ARCHIVES	
DATE	MAY 15 1958

B-1870-1 (1)

# 9663

DATA RECORD

F-9663

Project No. (II): Ph-89

Quadrangle Name (IV): SHELL ISLAND LAKE

Field Office (II): New Orleans, La.

Chief of Party: P.L. Bernstein

Photogrammetric Office (III): Tampa, Florida

Officer-in-Charge: Ira R. Rubottom

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

JUL 22 1955

Date received in Washington Office (IV): 1-27-55 Date reported to Nautical Chart Branch (IV): 3-7-55

Applied to Chart No.

Date:

Date registered (IV): 4 Mar 1958

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): SMACK 1934

Lat.: 29° 56' 59".051 (1818.2m.)

Long.: 89° 17' 57".492 (1541.7m.)

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.

30 00 89 22 30



29 52 30

Areas contoured by various personnel  
 (Show name within area)  
 (II) (III)

89 15

DATA RECORD

Field Inspection by (II): **B.F.Lampton, Jr.**  
**E.T.Ogilby**

Date: **June, Aug. 1952**

Planetable contouring by (II): **B.F.Lampton, Jr.**  
**E.T.Ogilby**

Date: **June Aug. 1952**

Completion Surveys by (II):

Date:

*See Review Report Item # 66*

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

Date of photographs  
Air Photo Compilation

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

Date: **22 June 1953**

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

Date: **1 July 1954**

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

Date: **10 Aug. 1954**

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

Date: **10 Aug. 1954**

Radial Plot or Stereoscopic  
Control extension by (III):

**M. M. Slavney**

Date: **27 Oct. 1954**

Stereoscopic Instrument compilation (III):

Planimetry  
**Inapplicable**  
Contours

Date:

Date:

Manuscript delineated by (III): **R. Dossett**

Date: **Dec. 1954**

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

Date: **Jan. 1955**

Elevations on Manuscript  
checked by (III):

**J. A. Giles**

Date: **Nov. 1954**

Camera (kind or source) (III): U. S. C. & G. S. Nine-lens, 8 1/4" focal length

PHOTOGRAPHS (III)				
Number	Date	Time	Scale	Stage of Tide
39342	28 Sep. 1952	9:31	1:20,000	1.9
39343	"	9:32	"	"
39344	"	9:33	"	"
39345	"	9:34	"	"
39321	27 Feb. 1952	11:44	"	10.4
39323	"	11:45	"	"
39324	"	11:46	"	"

Tide (III)

From Predicted Tides

Reference Station: Pensacola, Florida  
 Subordinate Station: Bay St. Louis  
 Subordinate Station:

Ratio of Ranges	Mean Range	Spring Range
1.2	00	1.6

Washington Office Review by (IV): *A.K. Heywood*

Date: *OCT 1957*

Final Drafting by (IV):

Date:

Drafting verified for reproduction by (IV):

Date:

Proof Edit by (IV):

Date:

Land Area (Sq. Statute Miles) (III): 11  
 Shoreline (More than 200 meters to opposite shore) (III): 101

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

Control Leveling - Miles (II): None

Number of Triangulation Stations searched for (II): 2

Recovered: 2

Identified: 2

Number of BMs searched for (II): None

Recovered:

Identified:

Number of Recoverable Photo Stations established (III): none

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

Remarks:

## SUMMARY TO ACCOMPANY TOPOGRAPHIC MAP

This topographic map is one of 17 similar maps of Project PH-89. It covers a portion of Louisiana from Mississippi Sound south to Breton Sound.

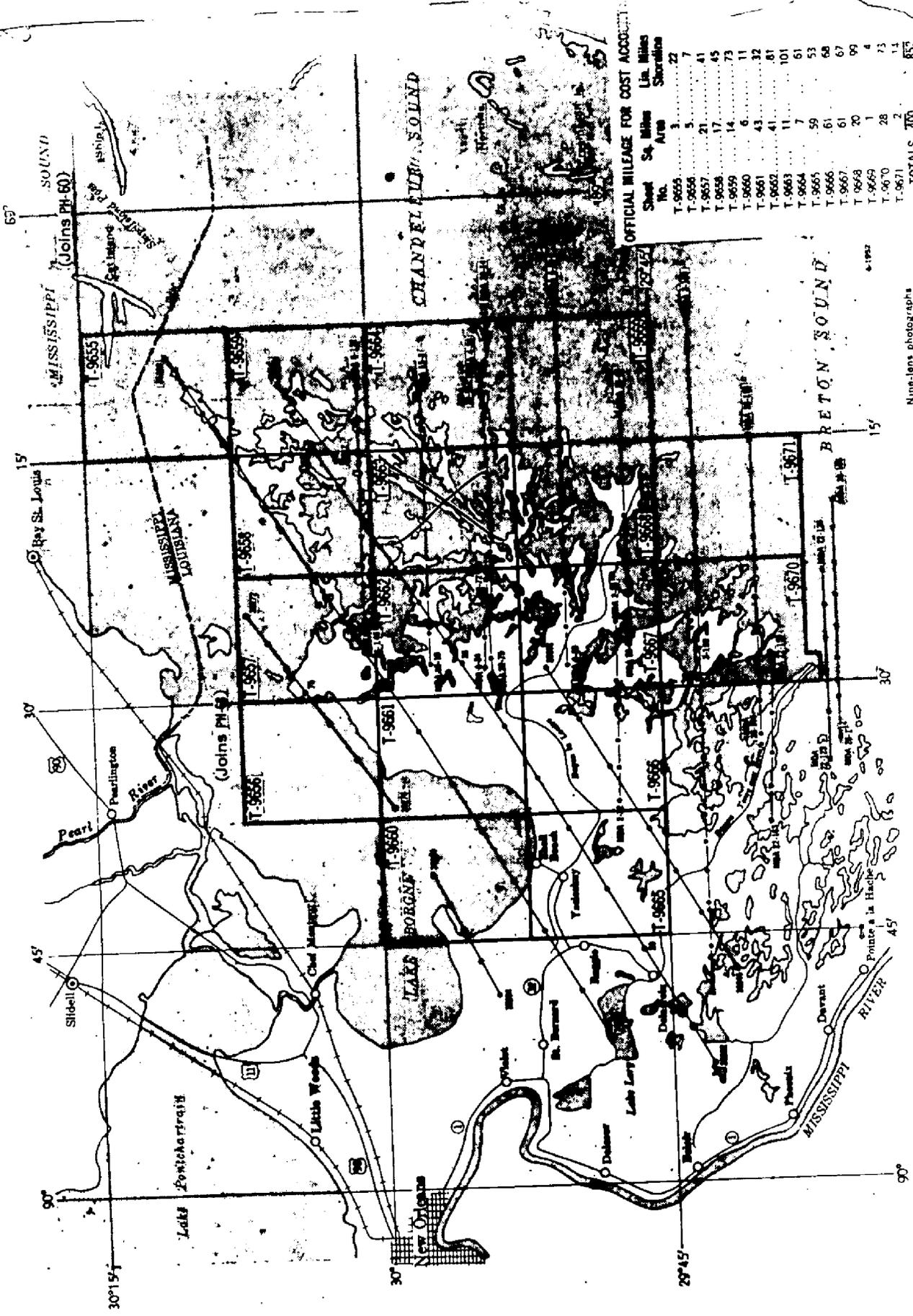
Project PH-89 is a graphic compilation project. Field work in advance of compilation included the establishment of some additional control, complete field inspection, the delineation of 5 foot contours directly on the nine-lens photographs by planetable methods, and the investigation of *geographic* names and political boundaries.

Since almost all the terrain was marsh, only 3 of the maps on PH-89 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 6W camera 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 Cronar film positive and a descriptive report.

**TERRACON INC. COASTAL DRAINAGE PROJECT 2-1960**  
 LOUISIANA, Mississippi Sound to Breton Sound  
 Refer to Air-Photo Indexes 117-E or 119-G



**OFFICIAL BILLAGE FOR COST ACCOUNTING**

Sheet No.	Sq. Miles Area	Lin. Miles Shoreline
T-9655	3	72
T-9656	5	7
T-9657	21	41
T-9658	17	45
T-9659	14	73
T-9660	6	11
T-9661	43	32
T-9662	41	81
T-9663	11	101
T-9664	7	61
T-9665	59	53
T-9666	61	68
T-9667	61	67
T-9668	20	99
T-9669	1	4
T-9670	28	73
T-9671	2	14
<b>TOTALS</b>	<b>400</b>	<b>857</b>

Nine-lens photographs  
 Single-lens photographs

Controlled by the U.S. Coast and Geodetic Survey  
 Information from Nine-lens  
 photographs is shown by a solid line  
 from single-lens photographs by a dashed line

2. AREAL FIELD INSPECTION

All land area is marsh islands in Shell Island Lake, Drum Bay, Fishing Smack Bay, and Indian Mound Bay.

Quality of nine-lens photographs was good. Single lens photographic quality was poor.

Field work was done on nine-lens photographs 35322 and 35323, and single lens photographs MDA-15-5(1 of 2), and MDA-4-28, MDA-4-30, MDA-15-5; all 2 of 2.

3. HORIZONTAL CONTROL

All existing control was recovered and identified. No supplemental control was established.

4. VERTICAL CONTROL

Grand Pass, Martin Island, Bay Boudreau, and Drum Bay tide staffs were used as reference for reduction of elevation to mean sea level.

See "Special Report, Vertical Control and Contouring, Project Ph-89".

5. to 8. CONTOURS AND DRAINAGE, WOODLAND COVER, SHORELINE AND ALONGSHORE FEATURES, and OFFSHORE FEATURES, respectively:

See Field Inspection Report, Quadrangle T-9659( ).

9. LANDMARKS AND AIDS

There are none.

10. BOUNDARIES, MONUMENTS, AND LINES

See Field Inspection Report, Quadrangle T-9659( ).

11. OTHER CONTROL

None was established.

12. OTHER INTERIOR FEATURES

There are none.

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.

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

Letter of Transmittal No. 89-15, Data, Quadrangles T-9660(    ),  
T-9661(    ), T-9662(    ), T-9663(    ), and T-9664(    ), forwarded  
to Washington Office 16 September 1952.

Submitted  
8 September 1952

*B. Frank Lampton, Jr.*

B. Frank Lampton, Jr.  
Cartographic Survey Aid.

Approved & Forwarded  
16 September 1952

*Percy L. Bernstein*  
Percy L. Bernstein  
Chief of Party

COMPILATION REPORT T-9663PHOTOGRAMMETRIC PLOT REPORT.

Submitted with T-9655.

31. DELINEATION:

The graphic compilation method was used.

The scale of the photographs was reasonably good. The field inspection was adequate.

32. CONTROL.

Reference photogrammetric plot report.

33. SUPPLEMENTAL DATA.

None.

34. CONTOURS AND DRAINAGE.

There are no contours. Spot elevations have been shown where needed, none being above the first contour. The drainage is apparent.

35. SHORELINE AND ALONGSHORE DETAILS.

The shoreline inspection was adequate. No low-water line has been shown.

36. OFFSHORE DETAILS.

None.

37. LANDMARKS AND AIDS.

None.

38. CONTROL FOR FUTURE SURVEYS.

None established.

39. JUNCTIONS.

A satisfactory junction has been secured with T-9658 on the north, T-9662 on the west, T-9658 on the south and T-9664 on the east.

40. HORIZONTAL AND VERTICAL ACCURACY.

No statement.

46. COMPARISON WITH EXISTING MAPS.

A comparison was made with USC&GS Air Photo Compilation No. 5322 from photographs flown in November 1932, scale 1:20,000 and USGS Quadrangle Map OAKMOUND BAYOU, LA., scale 1:31,680, compiled from aerial photographs and field examined by USGS in 1935.

No outstanding discrepancies were noted.

47. COMPARISON WITH NAUTICAL CHARTS.

Comparison was made with USC&GS Nautical Chart No. 1268, scale 1:80,000, published Sept. 1940 (3rd edition) and bearing a print date of 13 April 1953.

No outstanding discrepancies were noted.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY.

None.

ITEMS TO BE CARRIED FORWARD.

None.

*Rudolph Dossett*  
Rudolph Dossett  
Carto Photo Aid

APPROVED AND FORWARDED:

*Ira R. Rubottom*  
Ira R. Rubottom, Chief of Party

48. GEOGRAPHIC NAME LIST.

ANDERSON POINT

BAY BOUDREAU  
BAYOU DESOTO  
BAYOU TOBACCO

CATFISH PASS  
CONKEY COVE  
CONKEY COVE PASS

DEADMANS BAYOU  
DRUM BAY  
DUTCHMAN PASS

FISHING SMACK BAY  
*Hell Pass Coast*  
INDIAN MOUND ~~BAYOU~~ BAY

KERCHIMBO BAY

LAWSON BAY  
LITTLE MUD GRASS ISLANDS  
LIVE OAK BAYOU  
LOUISIANA

MUD GRASS ISLANDS

OAK MOUND BAYOU

SHELL ISLAND LAKE  
ST BERNARD PARISH

*Names approved  
8-15-55  
a.g.w.*

49. NOTES FOR THE HYDROGRAPHER.

None.

TIDE COMPUTATION

PROJECT NO. Ph. 89 T. 9663

Time and date of exposure 9:33 28 Sept 1952

Reference station Presidents

Mean range         

Date of field inspection         

Subordinate station Bay St Lewis

Ratio of ranges 1.2

High tide	Time		Height feet	Height x Ratio of ranges	High tide at Ref. Sta.	Time	
	h.	m.				h.	m.
High tide	5	21	1.8	2.2	High tide at Ref. Sta.	5	21
Low tide	18	23	0.1	0.4	Time difference	1	10
Duration of rise or fall	13	02		2.1	Corrected time at Subordinate station	6	31
					Low tide at Ref. Sta.	17	13
					Time difference	1	10
					Corrected time at Subordinate station	18	23

Time H. T. or L. T. Required time Interval	h. m.	Ht. H. T. or L. T. Tabular correction Stage of tide above MLW	Height feet	Height x Ratio of ranges	Feature bares Stage of tide above MLW Feature above MLW	feet	Photo. No.
Time H. T. or L. T. Required time Interval		Ht. H. T. or L. T. Tabular correction Stage of tide above MLW			Feature bares Stage of tide above MLW Feature above MLW		
Time H. T. or L. T. Required time Interval		Ht. H. T. or L. T. Tabular correction Stage of tide above MLW			Feature bares Stage of tide above MLW Feature above MLW		
Time H. T. or L. T. Required time Interval		Ht. H. T. or L. T. Tabular correction Stage of tide above MLW			Feature bares Stage of tide above MLW Feature above MLW		
Time H. T. or L. T. Required time Interval		Ht. H. T. or L. T. Tabular correction Stage of tide above MLW			Feature bares Stage of tide above MLW Feature above MLW		
Time H. T. or L. T. Required time Interval		Ht. H. T. or L. T. Tabular correction Stage of tide above MLW			Feature bares Stage of tide above MLW Feature above MLW		

Computed by R. D. Rossett Checked by HS

TIDE COMPUTATION

PROJECT NO. Ph. 89 T. 9663

Time and date of exposure 11:45-27 Feb 1952 Reference station Pensacola Mean range 1.2  
 Date of field inspection Aug 19 52 Subordinate station Bay St Louis Ratio of ranges 1.2

	Time		Height feet	Height x Ratio of ranges	Time	
	h.	m.			h.	m.
High tide	12	24	0.5	0.6	12	24
Low tide	7	40	0.4	0.5	7	10
Duration of rise or fall	4	44		0.1	13	34

	h.	m.	Height feet	Height x Ratio of ranges	Ht. H. T. or L. T. Tabular correction Stage of tide above MLW	feet	Feature bares Stage of tide above MLW Feature above MLW	Corrected time at Subordinate station	Time h. m.	Photo. No.
Time H. T. or L. T. Required time Interval	11	45	0.4	0.5	0.4	0.4	0.2	4	10	
Time H. T. or L. T. Required time Interval	1	49		0.1				8	50	

Computed by R. Dasset Checked by 115

## PHOTOGRAMMETRIC OFFICE REVIEW

T- 9663

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

## 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) XX 7. Photo hydro stations XX 8. Bench marks XX  
9. Plotting of sextant fixes XX 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 XX 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 XX 29. Railroads XX 30. Other cultural features J.G.

## BOUNDARIES

31. Boundary lines XX 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 XXXX 37. Descriptive Report J.G. 38. Field inspection photographs J.G. 39. Forms J.G.  
40. Jesse A. Giles William A. Rasure  
Reviewer 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.

\_\_\_\_\_  
Compiler

\_\_\_\_\_  
Supervisor

43. Remarks:

REVIEW REPORT T-9663  
Topographic Map  
3 October 1957

61. General Statement

See summary

62. Comparison With Registered Topographic Surveys

768	1:20,000	1858
1198	1:20,000	1871
5322	1:20,000	1934

Manuscript T-9663 supercedes all the above surveys in common areas as source material for chart construction.

63. Comparison With Maps of Other Agencies

USGS Oakmound Bayou, La. 1:31,680 1935

64. Comparison With Contemporary Hydrographic Surveys

None

65. Comparison With Nautical Charts

Chart 1270 1:80,000 2nd Ed. 1947 12/17/56

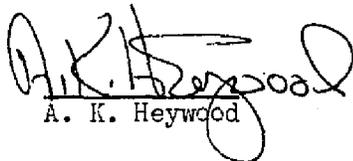
Two shell banks, one in the vicinity of Indian Mound Bay and the other in the vicinity of Drum Bay, are not visible on the 1955 photography. These banks are shown on Chart 1270.

66. Adequacy of Results and Future Surveys

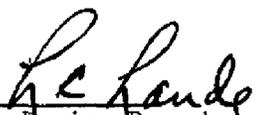
This manuscript complies with all instructions and meets the National Standards of Map Accuracy.

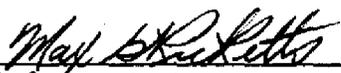
No Field Edit was necessary due to the sparsity of culture and the completeness of field inspection. The manuscript was compared with USC&GS "7" camera 1955 photographs to verify delineation. The only change was in the Oak Mound Bayou area. A new short canal has been dredged to the west.

Reviewed by:

  
A. K. Heywood

Approved:

  
Chief, Review Branch  
Photogrammetry Division

  
Chief, Nautical Chart Branch  
Charts Division

  
\_\_\_\_\_  
Chief, Photogrammetry Division

*MB*

  
\_\_\_\_\_  
Chief, Coastal Surveys Division