9662

ORIGINAL

Diag. Cht. Nos. 1268-2 & 1270.

Form 504

U. S. DEPARTMENT OF COMMERCE

COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT

Type of Survey TOPOGRAPHIC

Field No. 6089(Ph-89) *Office No.* T-9662

LOCALITY

State LOUISIANA

General locality LAKE BORGNE

Locality LAKE EUGENIE

1955

CHIEF OF PARTY

P.L.Bernstein, Chief of Field Party
Ira R. Rubottom, Tampa Photo Office

COMM-DC 61300

9662

FORM 181
(4-23-54)

U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT - DATA RECORD

T-9662

Project No. (II): 6089(Ph-89) Quadrangle Name (IV): LAKE EUGENIE

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

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

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): LAWSON 1934

Lat.: 29°55'08".908 (274.3m) Long.: 89°22'57".348 (1538.3m) Adjusted ~~Unadjusted~~

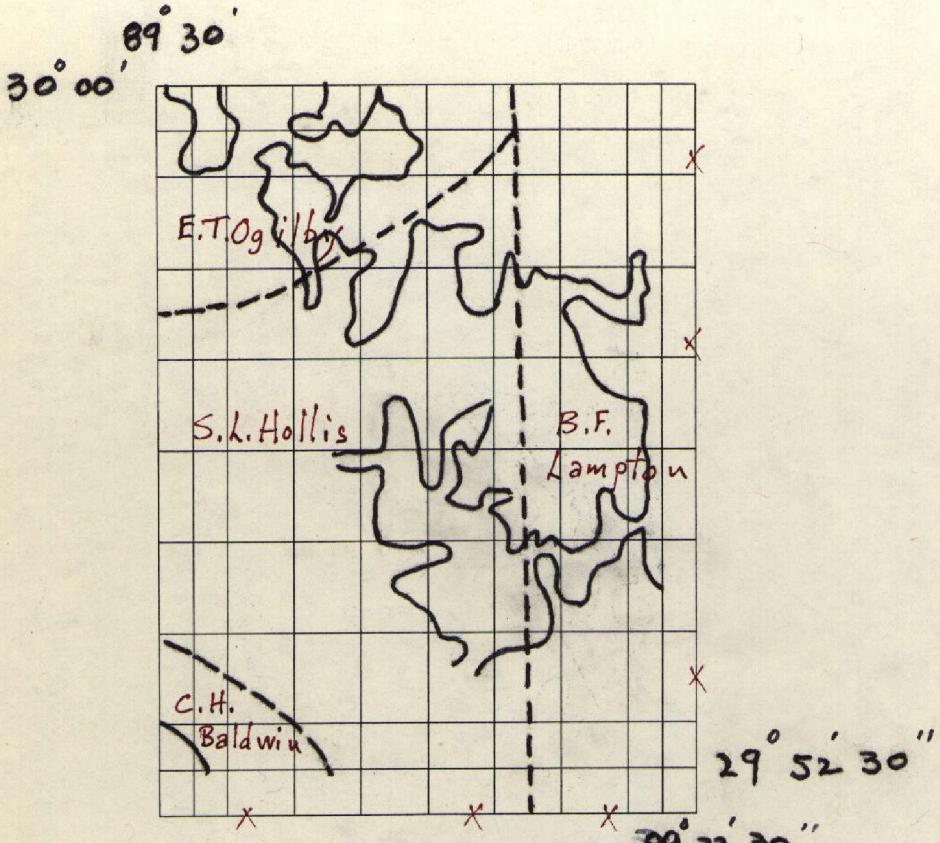
Plane Coordinates (IV): State: Zone:

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.

T-9662



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

M-2618-12(4)

DATA RECORD

Field Inspection by (II): B.F.Lampton, Jr.
S.L.Hollis, Jr.
E.T.Ogilby
C.H.Baldwin
Date: June, Sept. 1952

Planetable contouring by (II): Same as above
Date: July, Sept. 1952

Completion Surveys by (II): See Descriptive Report Item 66
Date:

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: 19 June 53

Projection and Grids checked by (IV): H.D.Wolfe (W.O.)
Date: 24 June 53

Control plotted by (III): I.I.Saperstein
Date: 10 August 53

Control checked by (III): R.J.Pate
Date: 10 August 53

Radial Plot ~~or Stereoscopic~~ Control extension by (III): M.M.Slavney
Date: 27 October 54

Stereoscopic Instrument compilation (III): Planimetry Inapplica ble
Date:
Contours
Date:

Manuscript delineated by (III): R.E.Smith
Date: August 1955

Photogrammetric Office Review by (III): R.A.Reece
Date: August 1955

Elevations on Manuscript checked by (III): R.A.Reece
Date: August 55

FORM 181c
(4-23-54)

U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

4

DESCRIPTIVE REPORT - DATA RECORD

Camera (kind or source) (III): C.& G. S. 9-lens camera
M.D.A. Single-lens

PHOTOGRAPHS (III)

Number	Date	Time	Scale	Stage of Tide
35299	27 Feb.1952	11:10	1:20,000	∤ 0.3
35300	"	11:10	"	"
35323 thru 35326	"	11:47	"	"
39343 thru 39346	28 Feb. 1952	9.:34	"	∤ 1.2
MDS-4-031 thru 032	8 Feb. 1952		"	
MDS-6-145	8 Feb. 1952		"	
MDS-15-08 thru 10	27 Feb. 1952		"	
MDS-22-075	7 Mar. 1952		"	

Tide (III)
From Predicted Tides

Diurnal

Ratio of Ranges	Mean Range	Spring Range
---	---	1.3
0.8	--	1.0

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

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): 41
Shoreline (More than 200 meters to opposite shore) (III): 81
Shoreline (Less than 200 meters to opposite shore) (III):
Control Leveling - Miles (II): None
Number of Triangulation Stations searched for (II): 5 Recovered: 5 Identified: 5
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:

COMM-DC-57842

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.

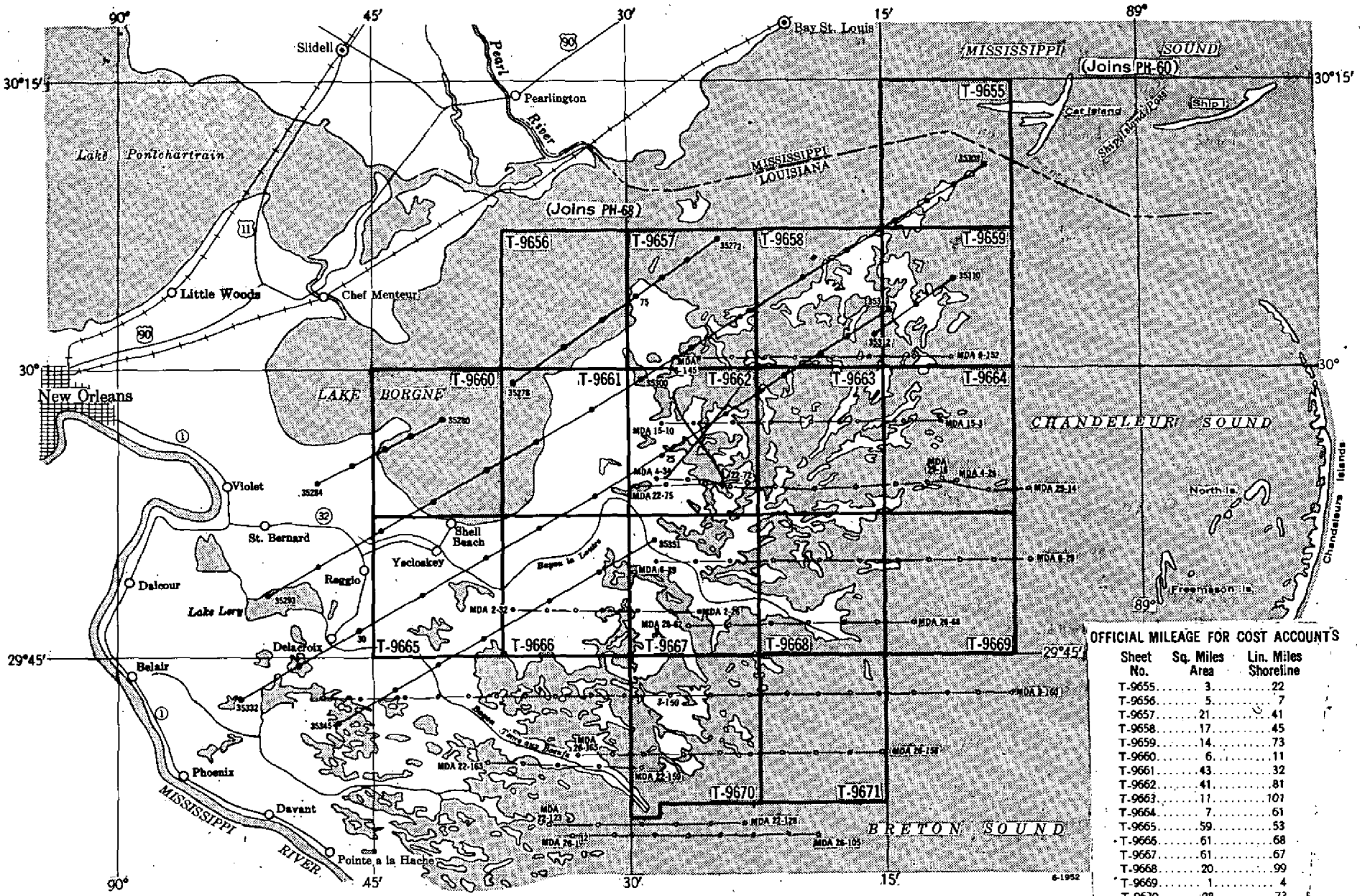
With the addition of hydrographic data these maps will be forwarded to the Geological Survey for publication as standard $7\frac{1}{2}$ minute quadrangles.

Items registered under each map number will include a Cronar film positive and a descriptive report.

TOPOGRAPHIC MAPPING PROJECT 24190

LOUISIANA, Mississippi Sound to Breton Sound

(Refer to Air-Photo Indexes 110-E and 119-G)



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.

Nine-lens photographs

Single-lens photographs

OFFICIAL MILEAGE FOR COST ACCOUNTS

Sheet No.	Sq. Miles Area	Lin. Miles Shoreline
T-9655	3	22
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
TOTALS	400	852

2. AREAL FIELD INSPECTION

This map is composed of Lake Eugenie, part of Bay Boudreau, various smaller lakes, and the surrounding marsh. The marsh is divided and re-divided by the smaller lakes and many tidal bayous.

There are no cultural features except for an occasional trapper's cabin or fisherman's camp.

An indian mound charted in the southeast corner of this area on charts 1268 and 1270 has now decreased in size so much as to lose its value as a landmark feature. This mound can now be found only by those few who are thoroughly familiar with the area. The elevation is no greater than the surrounding marsh.

Nine-lens photographs were excellent in quality but the single-lens photographs lacked contrast and definition.

Field work was done on nine-lens photographs Nos. 35300, 35324 thru 35326, 35351, and single-lens photographs MDA-4-031(1 of 2), and MDA-04-032 (2 of 2).

Field inspection is believed to be complete and adequate.

3. HORIZONTAL CONTROL

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

4. VERTICAL CONTROL

Reference tide staffs used for control of elevations were Blind Pass, Bay Boudreau, and Bakers Canal. See "Special Report, Vertical Control and Contouring, Project Ph-89".

5. CONTOURS AND DRAINAGE

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

6. WOODLAND COVER

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

7. SHORELINE AND ALONGSHORE FEATURES

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

8. OFFSHORE FEATURES

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

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

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

Eugene T. Ogilby
Cartographic Survey Aid.

Approved & Forwarded
16 September 1952

Percy L. Bernstein
Chief of Party

COMPILATION REPORT T-9662

PHOTOGRAMMETRIC PLOT REPORT

Submitted with T-9655

31. DELINEATION

The graphic method was used.
Field inspection was adequate.
The 35000 series photographs were of fair scale but poor clarity. The 39000 series were good clarity but of unusually poor scale. The latter photographs were used wherever possible, but with the aid of the projector.

Due to the difference in time of photography and stage of tide between the two series of photographs, the identification of common detail points was difficult.

32. CONTROL

Reference Photogrammetric Plot Report.

33. SUPPLEMENTAL DATA

None

34. CONTOURS AND DRAINAGE

No difficulties were encountered in the delineation of contours and drainage.* The only contour appears along the southwest side of BAYOU LA LOUTRE.

* NO CONTOUR. A LEVEE WITH SPOT ELEVATIONS. AGL ?

35. SHORELINE AND ALONGSHORE DETAILS

Shoreline inspection was adequate. No low-water line was shown.

36. OFFSHORE DETAILS

No statement.

37. LANDMARKS AND AIDS

No statement.

38. CONTROL FOR FUTURE SURVEYS

There are no topographic or photo-hydro stations.

39. JUNCTIONS

A satisfactory junction has been made with T-9657 on the north; T-9663 on the east; T-9661 on the west; and T-9667 on the south.

40. HORIZONTAL AND VERTICAL ACCURACY

No statement.

41. PUBLIC LAND LINES

No attempt was made to show section lines as no corners or points on line were recovered by the field inspector.

46. COMPARISON WITH EXISTING MAPS

Comparison was made with C&GS Planimetric Map T-5322(1932) scale 1:20,000. The two are in fair agreement.

Comparison was also made with U.S. Geological Survey Quadrangle Lake Eugenie, La; scale 1:31,680, dated 1935. The two are in fair agreement.

47. COMPARISON WITH NAUTICAL CHARTS

Comparison was made with C&GS Nautical Chart No. 1270, scale 1:80,000, published June 1947 and having a print date of 18 October 1954. The agreement was fair.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None

ITEMS TO BE CARRIED FORWARD

None

Rexford E. Smith Jr.
Carto Photo Aid

Approved and Forwarded

Ira R. Rubottom, Chief of Party.
by H. C. Applegarth

T-9662. Geographic Names.

Bayou Biloxi
Bobs Bayou
Bobs Lakes
Bay Boudreau
Busters Bayou
Crooked Bayou
Bayou Domingo

Lake Eugenie

Flat Bayou

Goose Flat

Indian Mound

Lawson Bay
Louisiana
Bayou la Loutre

Bayou Marron
Lakes of Bayou Marron
Lake of the Mound
Bayou Muscle

Pirate Point

Redfish Bayou

St. Bernard Parish
Stump Lagoon

Wild Goose Island

Names approved 9-20-56.
L. Heck

48. GEOGRAPHIC NAME LIST

BAY BOUDREAU
BAYOU BELOXI
BAYOU DOMINGO
BAYOU LA LOUTRE
BAYOU MARRON
BAYOU MUSCLE
BOBS BAYOU
BOBS LAKES
BUSTERS BAYOU

* CROOKED BAYOU

FLAT BAYOU

GOOSE FLAT

INDIAN MOUND

LAKE EUGENIE
LAKES OF BAYOU MARRON
LAKE OF THE MOUND
LAWSON BAY
LOUISIANA

PIRATE POINT

REDFISH BAYOU

ST BERNARD PARISH
STUMP LAGOON

WILD GOOSE ISLAND

* Shown as indicated on Geographic Name sheet, U.S.G.S. Quadrangle LAKE EUGENIE. CROOKED BAYOU is shown in a different locality on C&GS Planimetric Map T-5322. Approximate lattitude $29^{\circ}52.5'$ longitude $89^{\circ}24.5'$

49. NOTES FOR THE HYDROGRAPHER

None.

TIDE COMPUTATION

PROJECT NO. Ph- 89 T- 9662

Time and date of exposure 9:34 Sept 28 1952 Reference station Pensacola, Florida ~~Mean~~ Diurnal range 1.0

Date of field inspection ________ Subordinate station Long Point, Lake Borgne, La. Ratio of ranges 0.8

	Time h.	Time m.
High tide	5	21
Low tide	17	13
Duration of rise or fall	11 ~~12~~	52 ~~51~~

	Height feet	Height x Ratio of ranges
High tide	1.8	1.4
Low tide	0.1	0.1
Range of tide		1.3 ~~1.5~~

	Time h.	Time m.
High tide at Ref. Sta.	5	21
Time difference	+1	35
Corrected time at Subordinate station	6:	56

	Time h.	Time m.
Low tide at Ref. Sta.	17	13
Time difference	+1	35
Corrected time at Subordinate station	18:	48

	h. m.		feet		feet	Photo. No.
Time H. T. ~~or L. T.~~ Required time Interval	6 56 9 34 2 38	Ht. H. T. ~~or L. T.~~ Tabular correction Stage of tide above MLW	1.4 0.2 ~~0.3~~ 1.2 ~~1.1~~	Feature bares Stage of tide above MLW Feature above MLW		39345
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		

M-2617-12

Computed by P. E. Smith Checked by R. A. Reece

TIDE COMPUTATION

PROJECT NO. Ph- 68 T- 9662

Time and date of exposure 11:47 Feb. 27, 1952 Reference station Pensacola, Fla. Diurnal ~~Mean~~ range 1.0

Date of field inspection Subordinate station Long Point, Lake Borgne, La. Ratio of ranges 0.8

	Time h.	Time m.
High tide	12	24
Low tide	7	40
Duration of rise or fall	4 :	44

	Height feet	Height x Ratio of ranges
High tide	0.5	0.4
Low tide	0.4	0.3
Range of tide		0.1

	Time h.	Time m.
High tide at Ref. Sta.	12	24
Time difference	+1	35
Corrected time at Subordinate station	13	59

	Time h.	Time m.
Low tide at Ref. Sta.	7	40
Time difference	+1	35
Corrected time at Subordinate station	9 :	15

	h. m.		feet		feet	Photo. No.
Time H. T. ~~or L. T.~~ Required time Interval	13 59 11 47 2 12	Ht. H. T. ~~or L. T.~~ Tabular correction Stage of tide above MLW	0.4 0.1 0.3	Feature bares Stage of tide above MLW Feature above MLW		35325
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		

M-2617-12

Computed by P. E. Smith Checked by R. A. Reece

Form T-2

50.

PHOTOGRAMMETRIC OFFICE REVIEW

T- 9662

1. Projection and grids R.A.R. 2. Title R.A.R. 3. Manuscript numbers R.A.R. 4. Manuscript size R.A.R.

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) XX 7. Photo hydro stations XX 8. Bench marks XX
9. Plotting of sextant fixes XX 10. Photogrammetric plot report W.A.R 11. Detail points R.A.R.

ALONGSHORE AREAS

(Nautical Chart Data)

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

PHYSICAL FEATURES

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

CULTURAL FEATURES

27. Roads XX 28. Buildings R.A.R 29. Railroads XX 30. Other cultural features R.A.R.

BOUNDARIES

31. Boundary lines R.A.R 32. Public land lines R.A.R.

MISCELLANEOUS

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

40. Richard A. Reece / Richard A. Reece — Reviewer

William A. Rasure / William A. Rasure — 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:

M-2623-12

REVIEW REPORT T-9662
Topographic
1 October 1957

61. General Statement

See summary

62. Comparison With Registered Topographic Surveys

405	1:20,000	1857
768	1:20,000	1858
5322	1:20,000	1934

This manuscript supercedes all the above surveys in common areas as source material for chart construction. Refer to Item 2, Paragraph 3, Field Inspection Report.

63. Comparison With Maps of Other Agencies

USGS Lake Eugenie, 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
" 1268	1:80,000	3rd Ed. 1940	3/25/57

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 "W" camera 1955 photographs to verify the delineation. One building was added.

Reviewed by:

A. K. Heywood

Approved:

L C Lande
Chief, Review Branch
Photogrammetry Division

Mark Ricketts
Chief, Nautical Chart Branch
Charts Division

L W Swanson
Chief, Photogrammetry Division
21 March 1973

Chief, Coastal Surveys Division