9660

Diag. Cht. No. 1268-2.

Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey Topographic

Field No. Ph-89 Office No. T-9660

LOCALITY

State Louisiana

General locality Lake Borgne

Locality Proctor Point

19~~4~~52-55

CHIEF OF PARTY

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

LIBRARY & ARCHIVES

DATE May 15, 1958

B-1870-1 (1)

9660

DATA RECORD

T-9660

Project No. (II): Ph-89 Quadrangle Name (IV): PROCTOR POINT

Field Office (II): New Orleans, La. Chief of Party: P.L.Bernstein

Photogrammetric Office (III): Tampa, Fla. Officer-in-Charge: I. 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): SEP 29 1955 Date reported to Nautical Chart Branch (IV):

Applied to Chart No. Date: Date registered (IV): 26 Feb 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): PROCTOR POINT 3, 1952

Lat.: 29° 57' 26".676 (821.4m.) Long.: 89° 43' 40".313 (1081.0m.) Adjusted ~~Unadjusted~~

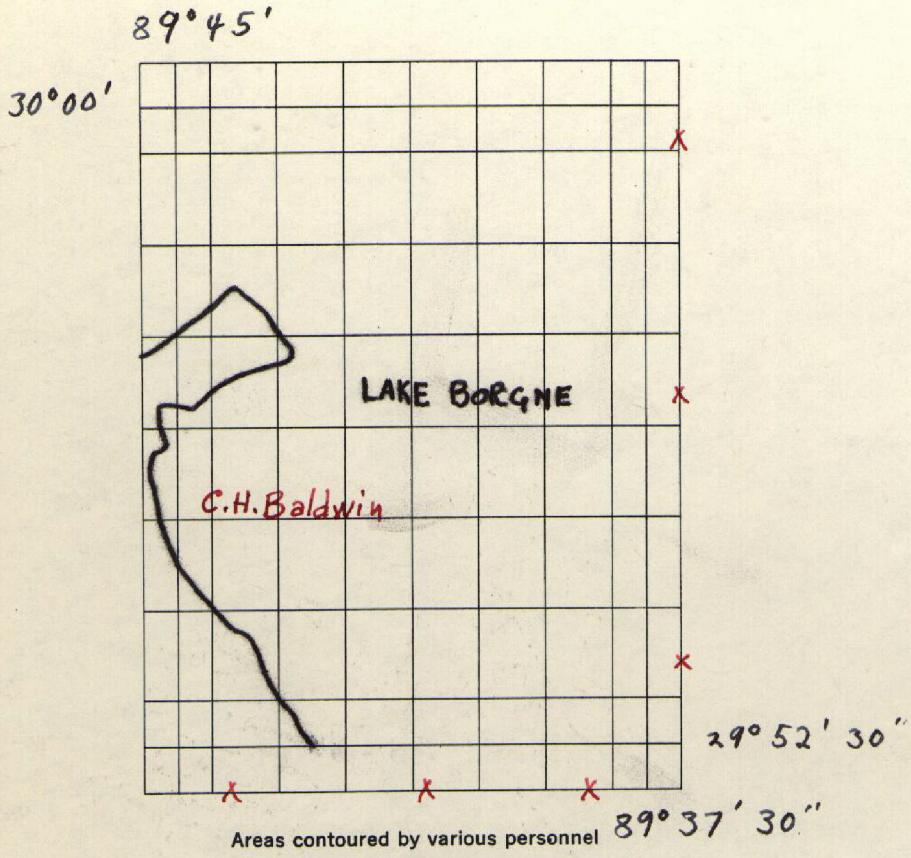
Plane Coordinates (IV): State: Zone:

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-9660



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

DATA RECORD

Field Inspection by (II): C.HBaldwin
B.F.LamptonJr.
Date: May, June 1952

Planetable contouring by (II): C.H.Baldwin
Date: June 1952

Completion Surveys by (II): See Review Report #66
Date:

Mean High Water Location (III) (State date and method of location): August 1952
Air Photo Compilation

Projection and Grids ruled by (IV): Joan Thuma (W.O.)
Date: 18 June 1953

Projection and Grids checked by (IV): H. D. Wolfe (W.O.)
Date: 23 June 1953

Control plotted by (III): I. I. Saperstein
Date: 7 Aug. 1953

Control checked by (III): R. J. Pate
Date: 7 Aug. 1953

Radial Plot ~~or Stereoscopic~~ ~~Control extension~~ by (III): M. M. Slavney
Date: 13 Oct. 1954

Stereoscopic Instrument compilation (III): Planimetry — Inapplicable — Date:
Contours — Date:

Manuscript delineated by (III): I. I. Saperstein
Date: Aug. 1955

Photogrammetric Office Review by (III): J. A. Giles
Date: Sept. 1955

Elevations on Manuscript checked by ~~(II)~~ (III): J. A. Giles
Date: Sept. 1955

M-2618-12(4)

Camera (kind or source) (III): C&GS Nine-lens camera

PHOTOGRAPHS (III)

Number	Date	Time	Scale	Stage of Tide
35280	27 Feb. 1952	1044	1:20,000	0.3
35281	"	1045	"	0.3
35282	"	1045	"	0.3
35295	"	1106	"	0.3

Tide (III)
(Predicted)

	Ratio of Ranges	Mean Range	Diurnal ~~Spring~~ Range
Reference Station: PENSACOLA, FLORIDA	-	-	1.3
Subordinate Station: LONG POINT, LAKE BORGNE	0.8	-	1.0
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): 6

Shoreline (More than 200 meters to opposite shore) (III): 11

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

Control Leveling - Miles (II): None

Number of Triangulation Stations searched for (II): 8* Recovered: 4* Identified: 4**

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:

*Includes two (2) stations established

**Includes station west of project

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.

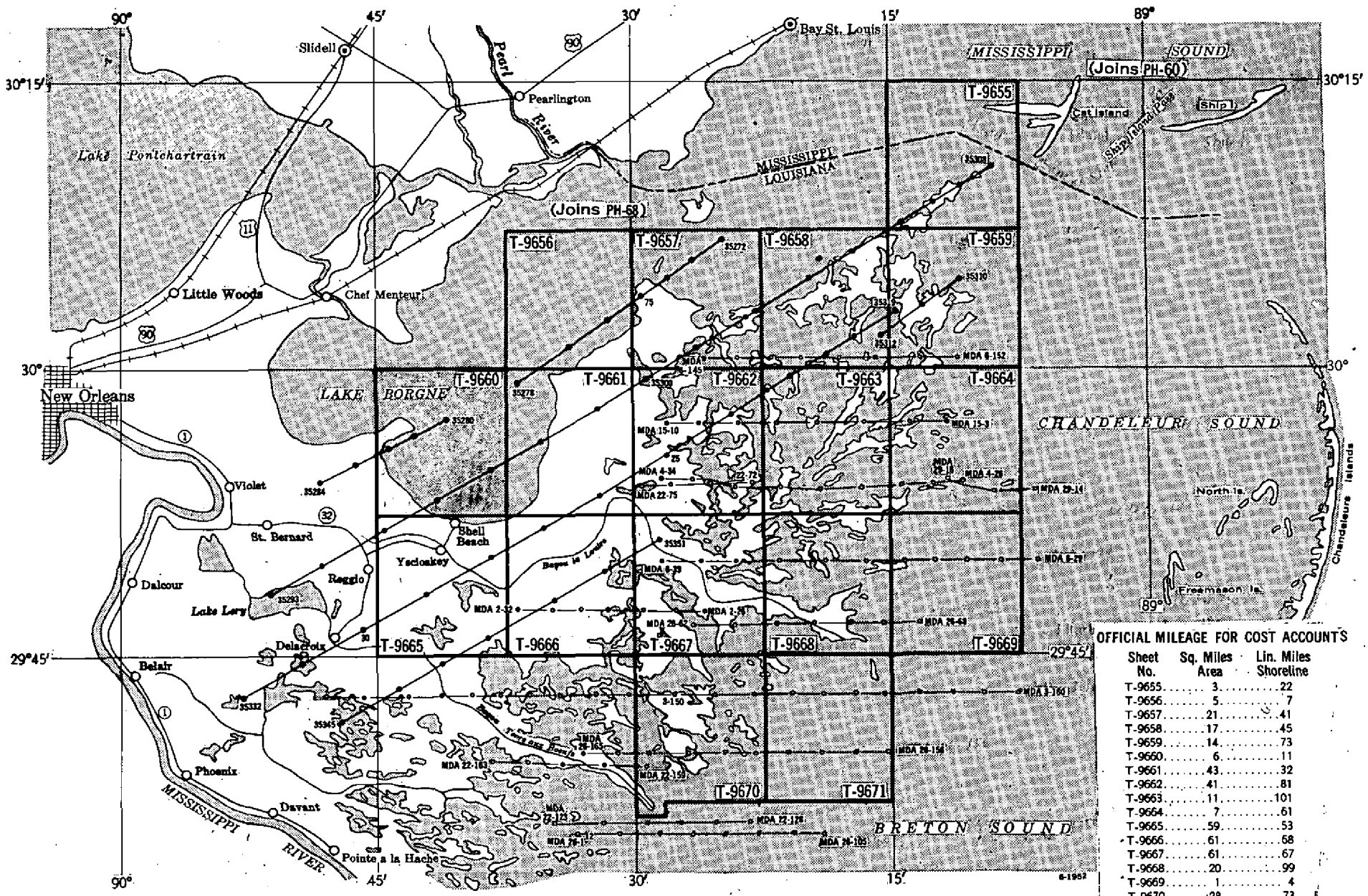
With the addition of hydrographic data these maps will be forwarded to the Geological Survey for publication as standard 7½ minute quadrangles.

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 from Single-lens January 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

The land area is entirely marsh and forms part of the dividing point between the two large circular protuberances forming the west end of Lake Borgne. Proctor Point is the most prominent natural feature.

Photographic quality was good. Interpretation of photographic tones will present no difficulty to photogrammetric personnel familiar with marsh areas.

Field inspection was done using nine-lens field photographs Nos. 35281, 35282, 35283, and 35296.

3. HORIZONTAL CONTROL

Station PROCTOR 2 was not recovered. PROCTOR PT. 3 was established from PROCTOR 2 RM 2 which was recovered. PROCTOR PT. 3 was identified.

Stereoscope equipment available would not permit positive identification of station ALLIGATOR PT. LT. 1952 because of the distance which it lies offshore.

The following stations were reported lost: PROCTOR PT. 2 1934, and ALLIGATOR PT. LT. 1934.

4. VERTICAL CONTROL

There are no existing bench marks in the area. For vertical control for elevations, see "Special Report, Vertical Control and Contouring, Project Ph-89".

The Shell Beach tide staff was used to establish mean sea level datum in this quadrangle.

5. CONTOURS AND DRAINAGE

There are no contours in the area. The elevations of the marsh at irregular intervals in accessible areas were determined by hand level from the water surface and reduced to mean sea level by comparison with simultaneous hourly readings taken on the Shell Beach tide staff, as described in the Special Report listed in the preceding item.

All drainage is tidal and is evident on the photographs.

6. WOODLAND COVER

There is none in the area.

7. SHORELINE AND ALONGSHORE FEATURES

Adequately covered by the photographs.

8. OFFSHORE FEATURES

There are none.

9. LANDMARKS AND AIDS

There are no landmarks or aeronautical aids. Aids to navigation are adequately covered by Form 567.

10. BOUNDARIES, MONUMENTS, AND LINES

There are no political boundaries within the quadrangle.

No section corners exist. A thorough investigation of the land lines in the area was made by contacting private surveyors, engineers, and other individuals familiar with the area. Because of the date of the original survey the non-existence of new surveys and the lack of success by private individuals searching for section corners no attempt was made to search for section corners in this area.

11. OTHER CONTROL

There is none.

12. OTHER INTERIOR FEATURES

Trappers cabins along bayous navigable to shallow draft boats have been indicated on the photographs and classified Class 1 buildings due to the lack of landmark features.

There are no other interior features.

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. 89-7, Horizontal Control Data, forwarded to Tampa Photogrammetric Office 27 August 1952.

Letters of Transmittal Nos. 89-8 and 89-10, Horizontal Control Data, forwarded to Washington Office 27 August 1952.

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. 89-15, Data, Quadrangles T-9660( ), T-9661( ), T-9662( ), T-9663( ), and T-9664( ), forwarded to Washington Office 16 September 1952.

Submitted
8 September 1952

Charles H. Baldwin
Charles H. Baldwin
Cartographic Survey Aid

Approved and Forwarded
16 September 1952

Percy L. Bernstein
Percy L. Bernstein
Chief of Party

COMPILATION REPORT T-9660

PHOTOGRAMMETRIC PLOT REPORT

Submitted with T-9655.

31. DELINEATION

The manuscript was compiled by the graphic method.

The photographs were of fair scale. No difficulty was encountered in the interpretation of the marsh.

32. CONTROL

Reference Photogrammetric Plot Report.

33. SUPPLEMENTAL DATA

None.

34. CONTOURS AND DRAINAGE

The maximum ground elevation is two feet. The drainage, almost completely natural, was mapped without difficulty.

35. SHORELINE AND ALONGSHORE DETAILS

The shoreline inspection was adequate and no difficulty was encountered in the delineation of the shoreline. In some areas shell has built up along the marsh shoreline. These areas have been shown with a mean high-water line.

36. OFFSHORE DETAILS

None

37. LANDMARKS AND AIDS

One fixed aid to navigation has been shown and Form 567 is being submitted herewith.

38. CONTROL FOR FUTURE SURVEYS

None.

39. JUNCTIONS

Satisfactory junction has been made with the following surveys:

T-9661 - to the east
T-9792 - to the north
T-9665 - to the south
There is no contemporary survey to the west.

40. HORIZONTAL AND VERTICAL ACCURACY

No statement.

41. BOUNDARIES AND PUBLIC LAND LINES

Reference is made to Special Report, Boundaries, Ph-68(50), page 8a. As amended by Act 338 of 1936, the boundary of Orleans Parish runs "along the main shore of Lake Borgne, including all islands within one (1) marine league distance thereof". The W. O. has been asked on an azalid print to interpret the intent of the act with respect to the placement of the boundary line.

No section corners were submitted by the field party. It was therefore impossible to "tie down" the section lines as shown on the General Land Office plats.

46. COMPARISON WITH EXISTING MAPS

A comparison has been made with topographic quadrangle "SHELL BEACH, LA.," scale 1:62,500, edition of 1941 and planimetric map T-5314, scale 1:20,000, dated 1932. The two surveys are in good agreement considering the difference of time.

47. COMPARISON WITH NAUTICAL CHARTS.

Comparison has been made with C&GS Nautical Chart No. 1268, scale 1:80,000, edition of 1940, bearing a print date of 13 April 1953. The maps listed under Item 46 appear to be the source of topography on the nautical chart. The same differences between the manuscript were noted.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None.

ITEMS TO BE CARRIED FORWARD

None.

Irving I. Saperstein
I. I. Saperstein
Carto Photo Aid

APPROVED AND FORWARDED

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

48. GEOGRAPHIC NAME LIST

CAMP BAYOU

FLAGPOLE BAYOU
FLAT BAYOU
FORT BAYOU

GRAND BAYOU

LAKE BORGNE
LOUISIANA

PROCTOR POINT

ST. BERNARD PARISH
STUMP BAYOU

Names approved
10-11-55, L. Heck

49. NOTES FOR THE HYDROGRAPHER

None.

+ 1 35 10 45 / 9 15 / 1 30

TIDE COMPUTATION

PROJECT NO. Ph- 89 T- 9660

Time and date of exposure 1045 27 Feb. 1952 Reference station PENSACOLA Mean range —

Date of field inspection Subordinate station LONG POINT, LAKE BORGNE Ratio of ranges 0.8

	Time h.	Time m.
High tide	13	59
Low tide	9	15
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.	9 15	Ht. ~~H. T. or~~ L. T.	0.3	Feature bares		35282
Required time	10 45	Tabular correction	0.0	Stage of tide above MLW		
Interval	1 30	Stage of tide above MLW	0.3	Feature above MLW		
Time H. T. or L. T.		Ht. H. T. or L. T.		Feature bares		
Required time		Tabular correction		Stage of tide above MLW		
Interval		Stage of tide above MLW		Feature above MLW		
Time H. T. or L. T.		Ht. H. T. or L. T.		Feature bares		
Required time		Tabular correction		Stage of tide above MLW		
Interval		Stage of tide above MLW		Feature above MLW		
Time H. T. or L. T.		Ht. H. T. or L. T.		Feature bares		
Required time		Tabular correction		Stage of tide above MLW		
Interval		Stage of tide above MLW		Feature above MLW		
Time H. T. or L. T.		Ht. H. T. or L. T.		Feature bares		
Required time		Tabular correction		Stage of tide above MLW		
Interval		Stage of tide above MLW		Feature above MLW		
Time H. T. or L. T.		Ht. H. T. or L. T.		Feature bares		
Required time		Tabular correction		Stage of tide above MLW		
Interval		Stage of tide above MLW		Feature above MLW		

M-2617-12

Computed by JS Checked by R Doscett

Form 567
April 1945

PHOTOGRAMMETRIC REVIEW BRANCH

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

NONFLOATING AIDS ~~OR LANDMARKS~~ FOR CHARTS

TO BE CHARTED / ~~[illegible]~~ } STRIKE OUT ONE

Tampa Florida, 12 Sept., 19 55

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

The positions given have been checked after listing by ~~I. I. Saperstein, Carto Photo Aid~~

Ira R. Rubottom, *Chief of Party.*

STATE: LOUISIANA

CHARTING NAME	DESCRIPTION	SIGNAL NAME	POSITION LATITUDE ° ′	LATITUDE ″ D.M. METERS	LONGITUDE ° ′	LONGITUDE ″ D.P. METERS	DATUM	METHOD OF LOCATION AND SURVEY No.	DATE OF LOCATION	HARBOR CHART	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTED
	LAKE BORGNE - SOUTH END												
LIGHT	ALLIGATOR POINT, black and white triangular pyramidal structure on piles		29 59	19.082 / 587.6	89 42	38.951 / 1044.1	N.A. 1927	Triang. T-9660	1952		x		1268 1269
	NOTE: According to the 1955 Light List, this light was rebuilt in 1954												

This form shall be prepared in accordance with Hydrographic Manual, pages 800 to 804. Positions of charted landmarks and *nonfloating*

Form 567
April 1945

DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

NONFLOATING AIDS OR ~~LANDMARKS FOR CHARTS~~

TO BE CHARTED / ~~TO BE DELETED~~ } STRIKE OUT ONE

Washington, D. C. 30 September 19 57

I recommend that the following objects which have ~~(been 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 A. K. Heywood

L. W. Swanson
Chief of Party.

STATE Louisiana

CHARTING NAME	DESCRIPTION	SIGNAL NAME	POSITION LATITUDE* ° ′	LATITUDE* ″ D.M. METERS	LONGITUDE* ° ′	LONGITUDE* ″ D.P. METERS	DATUM	METHOD OF LOCATION AND SURVEY No.	DATE OF LOCATION	HARBOR CHART	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTED
LIGHT	ALLIGATOR POINT, black and white triangular pyramidal structure on piles.		29 59	17.034 / 524.5	89 42	42.542 / 1140.3	N.A. 1927	Tri T-9660	1957		X		1268
	FIELD EDIT 1957												

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

Comm-DC 61327

Form 567
April 1945

DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

NONFLOATING AIDS ~~OR LANDMARKS FOR CHARTS~~

~~TO BE CHARTED~~ / TO BE DELETED — STRIKE OUT ONE

Washington, D. C. 30 September 1957

I recommend that the following objects which have ~~(been 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 A. K. Heywood

L. W. Swanson
Chief of Party.

STATE: Louisiana

CHARTING NAME	DESCRIPTION	SIGNAL NAME	POSITION LATITUDE* ° ′	LATITUDE* ″ D.N. METERS	LONGITUDE* ° ′	LONGITUDE* ″ D.P. METERS	DATUM	METHOD OF LOCATION AND SURVEY No.	DATE OF LOCATION	HARBOR CHART	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTED
LIGHT	ALLIGATOR POINT, black and white triangular pyamidal structure on piles		29 59	19.082 / 587.6	89 42	38.951 / 1044.1	N.A. 1927	Tri T-9660	1952		X		1268
	FIELD EDIT 1957												

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

Comm-DC 61327

Form T-2

50.

PHOTOGRAMMETRIC OFFICE REVIEW

T- 9660

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

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 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 alongshore 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 J.G. 32. Public land lines J.G.

MISCELLANEOUS

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

40. Jesse A. Giles — Reviewer; William A. Rasure for — 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-9660
TOPOGRAPHIC
27 September 1957

61. General Statement

See summary

62. Comparison with Registered Topographic Surveys

629	1:20,000	1857
5314	1:20,000	1934

Manuscript T-9660 supercedes all the above surveys in common areas as source material for chart construction.

63. Comparison with Maps of Other Agencies

USGS Shell Beach, La., 1:62,500, 1941

64. Comparison with Contemporary Hydrographic Surveys

None

65. Comparison with Nautical Charts

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.

Field edit was accomplished in 1957. No report is submitted since the edit was limited to the "cutting in" of Alligator Point Light. A new position was established.

All delineation was checked using the "W" camera photographs taken in 1955. No changes were made.

Reviewed by:

A. K. Heywood

Approved

Chief, Review Branch
Photogrammetry Division

Chief, Nautical Chart Branch
Charts Division

Chief, Photogrammetry Division

Chief, Coastal Surveys

NAUTICAL CHARTS BRANCH

SURVEY NO. T.9660

Record of Application to Charts

DATE	CHART	CARTOGRAPHER	REMARKS
4-2-59	1271	R.K.D.	Partial application ~~Before~~ After Verification and Review
—	1269	RKD	~~Before~~ After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review

M-2168-1

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.