9665

Diag. Cht. Nos. 1268-2 & 1271.

Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey Topographic

Field No. Ph-89 Office No. T-9665

LOCALITY

State Louisiana

General locality Lake Borgne

Locality Shell Beach

1957

CHIEF OF PARTY
P.L.Bernstein, Chief of Field Party
H.C.Applequist, Tampa Photo. Office

LIBRARY & ARCHIVES

DATE April 15, 1958

B-1870-1 (1)

9665

DATA RECORD

T-9665

Project No. (II): Ph-89 Quadrangle Name (IV): SHELL BEACH

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

Photogrammetric Office (III): Tampa Florida Officer-in-Charge: H. C. Applequist

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): HOPEDALE, Rm 2, 1934

Lat.: 29°48'58".350 (1796.6 m) Long.: 89°38'47".117 (1265.1 m) Adjusted / Unadjusted

Plane Coordinates (IV): State: Zone:

Y= X=

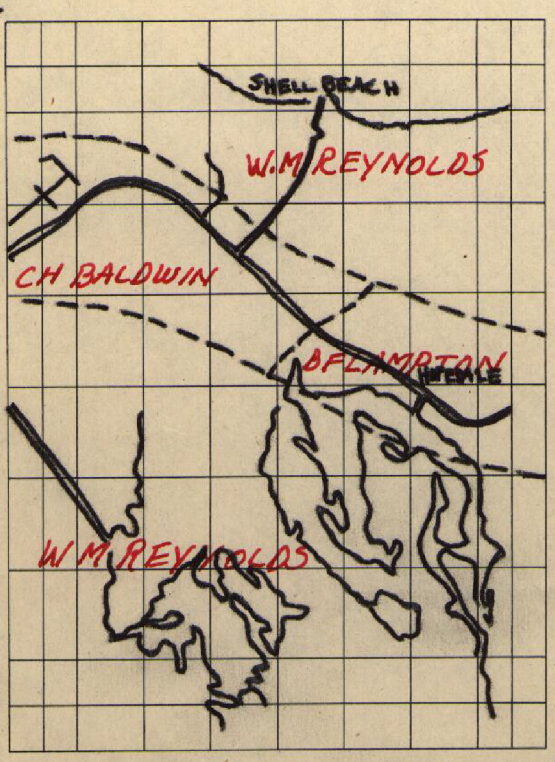
Roman numerals indicate whether the item is to be entered by (II) Field Party, (III) Photogrammetric Office, or (IV) Washington Office.

When entering names of personnel on this record give the surname and initials, not initials only.

M-2618-12(4)

89-45

29-52.5



29-45

89-37.5

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

DATA RECORD

Field Inspection by (II): B.F.Lampton, Jr.
C.H.Baldwin
W.M.Reynolds

Date: May-Sept. 1952

Planetable contouring by (II): Same as above

Date: June, Aug., and Sept. 1952

Completion Surveys by (II): W.M.Reynolds

Date: 1957

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: 23 June 1953

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

Date: 24 June 1953

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

Date: 17 Aug. 1953

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

Date: 17 Aug. 1953

Radial Plot or ~~Stereoscopic~~ Control extension by (III): M. M. Slavney

Date: 14 Oct. 1954

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

Manuscript delineated by (III): R. Dossett

Date: Sept. 1955

Photogrammetric Office Review by (III): R. R. Wagner

Date: Sept. 1955

Elevations on Manuscript checked by ~~(II)~~ (III): R. R. Wagner

Date: Sept. 1955

M-2618-12(4)

Camera (kind or source) (III): C.&.G.S. Nine-lens

PHOTOGRAPHS (III)

Number	Date	Time	Scale	Stage of Tide
35295	27 Feb. 1952	11:05	1:20,000	+ 0.3
35296	"	11:05	"	"
35328	"	11:51	"	"
35329	"	11:52	"	"
35330	"	11:53	"	"
35348	"	12:22	"	"

Tide (III)

Predicted Tide

DIURNAL

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

Reference Station: Pensacola Fla.

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): 59

Shoreline (More than 200 meters to opposite shore) (III): 53

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

Control Leveling - Miles (II): 10

Number of Triangulation Stations searched for (II): 38 * Recovered: 15 Identified: 10

Number of BMs searched for (II): 10 ** Recovered: 3 Identified: 3

Number of Recoverable Photo Stations established (III): 6

Number of Temporary Photo Hydro Stations established (III): 0

Remarks:

* Only two control stations fall within the limits of this manuscript.

** Only two BM's are within limits of manuscript.

M-2618-12(4)

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 6" camera photographs taken in 1955 were used to revise delineation where necessary. There were few such cases.

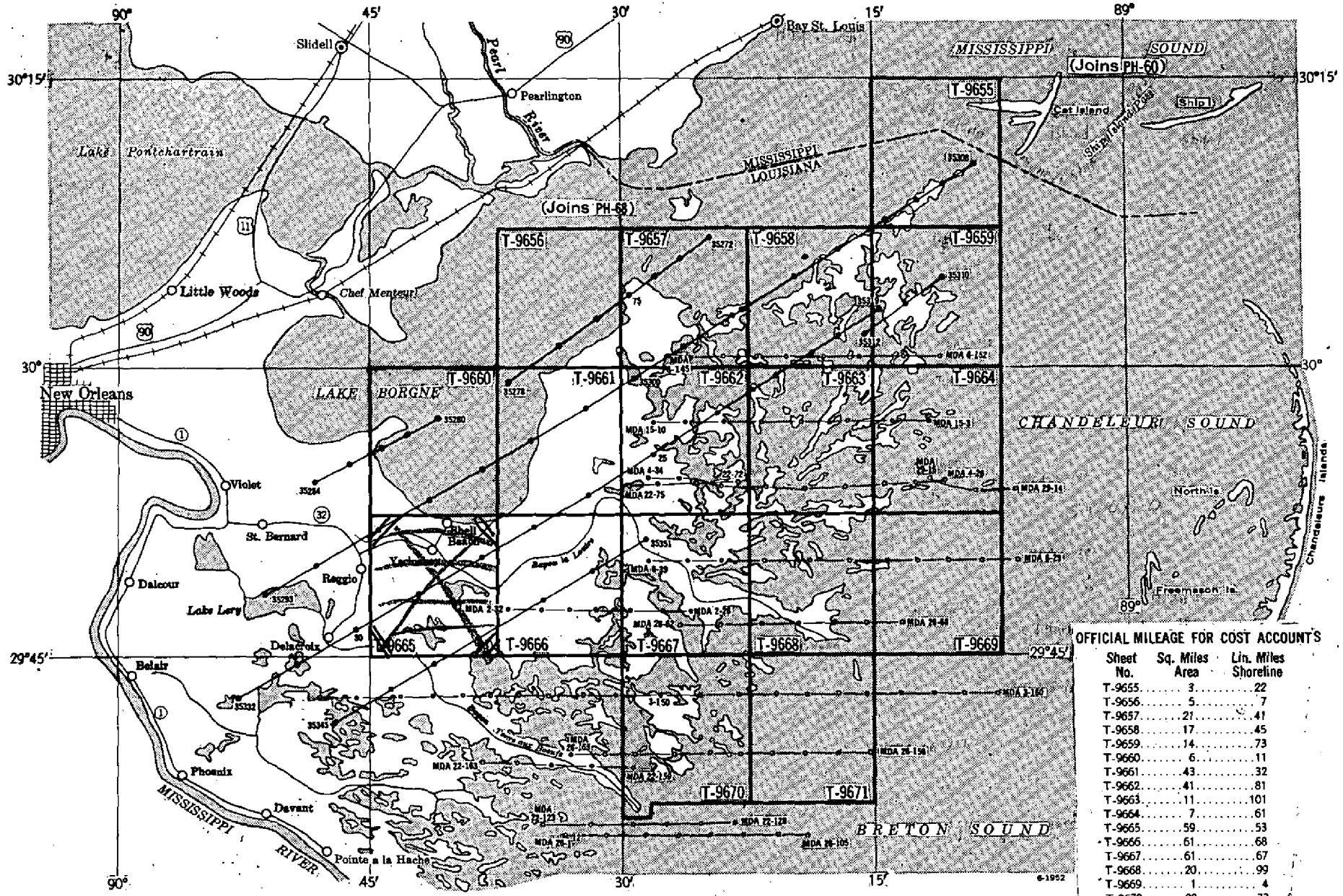
With the addition of hydrographic data these maps will be forwarded to the Geological Survey for publication as standard 7½ minute quadrangles.

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 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

The quadrangle includes the towns of Shell Beach, Yscloskey, and Hopedale. Bayou la Loutre crosses the northern part of the quadrangle and Bayou Yscloskey runs from Bayou la Loutre north to Lake Borgne. Bayou Yscloskey is navigable and Bayou la Loutre is navigable from Yscloskey to the east. Roads follow these bayous to the towns. Hopedale Canal was dredged to provide a water route between Bayou la Loutre and Hopedale Lagoon. Except along the roads and Hopedale Canal the area is uninhabitated except for a number of trapper's cabins which are occupied only during the trapping season.

A portion of Bayou Terre aux Boeufs is in the southwest part of the quadrangle. There are a number of dredged canals in the area. One of these was dredged for a drill barge, however, there are no producing oil wells in the quadrangle at present.

State Highway 46 serves the towns in the northern part of the quadrangle and connects with New Orleans.

The photographs are quite clear and interpretation of detail should cause little trouble to the compiler.

Field work has been done on photographs 35294-96, 35328-31, and 35346-48, including photographs used for recovery of control outside of the project but adjacent to this quadrangle.

3. HORIZONTAL CONTROL

The following traverse stations of the Louisiana Geodetic Survey were recovered: 3108, 3110, 3111, 3112, 3120R, 3121, and E3198. The following traverse stations of the U. S. Geological Survey were recovered: TT 205LS, TT 206LS, TT 207LS. The order of accuracy of these stations is not known but is believed to be third.

The following Coast and Geodetic Survey triangulation stations have been reported as lost on Form 526: LAKE LERY OIL DERRICK 1934; SHELL BEACH OIL DERRICK 1934; HOPEDALE 1934; LEMER 1934; and UNKNOWN TOWER 1934. The following Louisiana Geodetic Survey traverse stations have been reported lost: 3106, 3107, 3109, 3112K, 3113, 3115, 3116R, 3119, E3193, E3196, E3197, E3199, E3200, F3101, F3102, and F3103. The following U. S. Geological Survey traverse stations have been reported as lost: TT 204LS, TT 206LS, and TT 208LS.

Station HOPEDALE 1934 is lost but Reference Mark No. 2 was identified for use in the radial plot.

4. VERTICAL CONTROL

The following third-order bench marks of the U. S. Geological Survey were recovered and identified on the photographs: TT 207L, BM 8.2, and BM 5.0.

Fourth-order levels were run to establish supplemental elevations in the area contoured by planetable. The level points were designated 65-01 to 65-18, inclusive.

5. CONTOURS AND DRAINAGE

Easily accessible areas were contoured by standard planetable methods on field photographs. NO CONTOURS WERE SHOWN ON THE FIELD PRINTS. CONTOURS WERE INTERPOLATED AROUND SPOT ELEVATIONS.

For method of contouring the remainder of the quadrangle, see "Special Report, Vertical Control and Contouring, Project Ph-89". Spot elevations in these areas were based on tide staffs at Shell Beach and Hopedale.

Spot elevations established by planetable methods have been inked in black on the photographs and those established from water level have been inked in red.

All drainage is tidal and is clearly visible on the photographs.

6. WOODLAND COVER

There are some heavy growths of trees along the natural levees that border Bayou la Loutre. Back of the natural levee there are some tree covered swamps. Both are clearly visible on the photographs and the tree and swamp areas have been differentiated by the field inspector.

The only other vegetation in the quadrangle is marsh grass.

7. SHORELINE AND ALONGSHORE FEATURES

Along Bayou la Loutre and Bayou Ysclosky, the shoreline is fast for the most part. Most of the remainder of the shoreline is apparent (edge of marsh). The few deviations from this have been noted on the photographs by the field inspector.

In the canals and bayous and along apparent shoreline the mean high water line and the mean low water line are contiguous. Other areas were not visited at time of mean low water and no mean low water line has been indicated on the photographs.

Docks, wharves, piers and other shoreline structures have been indicated on the field photographs.

8. OFFSHORE FEATURES

None.

9. LANDMARKS AND AIDS

There are no landmarks. All aids to navigation were located by theodolite cuts from identifiable photographic detail.

10. BOUNDARIES, MONUMENTS, AND LINES

A portion of the Plaquemines-St. Bernard Parish boundary falls in this quadrangle. See microfilm prints forwarded to Washington Office 5 September 1951 with "Special Report, Boundaries, Project Ph-60(49).

An intensive search was made for section corners in this quadrangle. Only two probable section corners were found. The failure to find any section corners in marsh areas, along with information obtained from local surveyors and other sources, showed the impracticability of further search in marsh areas in the remainder of the project.

In the southern part of the quadrangle, a recent survey has re-established a number of section corners. Prints of a map showing this survey are being furnished. Plane coordinates of a number of section corners are given. The survey was based on Coast and Geodetic Survey triangulation stations and the coordinates are the State Plane Coordinates System. The corners may be plotted directly on the map manuscript. All corners for which plane coordinates are given are monumented at the present time. SEE ITEM #4

11. OTHER CONTROL

None was established.

12. OTHER INTERIOR FEATURES

Necessary information concerning roads, buildings, and other cultural features is believed to be adequately covered on the field photographs.

For bridge data see copy of letter to District Engineer attached hereto.

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.

Microfilm prints, Plaquemines-St. Bernard Parish boundary, forwarded to Washington Office 5 September 1951 with "Special Report, Boundaries, Project Ph-60(49)".

Composite Map, Delacroix Island to Pointe a la Hache Field.

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

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. 89-17, Data, Quadrangles T-9665( ), T-9666( ), T-9667( ), T-9668( ), and T-9669( ), forwarded to Washington Office 17 September 1952.

Submitted
8 September 1952

B. Frank Lampton, Jr.

B. Frank Lampton, Jr.
Cartographic Survey Aid

Approved & Forwarded
17 September 1952

Percy L. Bernstein

Percy L. Bernstein
Chief of Party

COMPILATION REPORT T-9665

PHOTOGRAMMETRIC PLOT REPORT

Submitted with T-9655

31. DELINEATION

Compiled graphically.
The photographs were of reasonably good scale.
The field inspection was adequate.

32. CONTROL

See Photogrammetric Plot Report.

33. SUPPLEMENTAL DATA

None.

34. CONTOURS AND DRAINAGE

*The contours have been applied as they appeared on the field prints. They lie along the highways principally. Spoils along the canals above 5 ft. are shown by carrying contours. SPOIL IS SHOWN WITH A "LEVEE" SYMBOL WITH SPOT ELEVATIONS AT NUMEROUS INTERVALS ARH

35. SHORELINE AND ALONGSHORE DETAILS * SEE FIELD INSPECTION REPORT ITEM #5.

All piers and structures visible on the photographs or indicated by the field inspection have been delineated.

See Item 7 for MLW information.

36. OFFSHORE FEATURES

None.

37. LANDMARKS AND AIDS

See Item nine(9).

38. CONTROL FOR FUTURE SURVEYS

None.

39. JUNCTIONS

A satisfactory junction has been secured with T-9660 on the north and T-9666 on the east. There is no contemporary survey on the south and west.

40. HORIZONTAL AND VERTICAL ACCURACY

No comment.

*41. PUBLIC LAND LINES

Township 15S-R15E was plotted from a composite map by Ben S. Garrett, licensed state land surveyor No. S-114, surveyed in 1947-1951, scale 1:20,000. The remainder of the land lines were plotted from GLO plats.

46. COMPARISON WITH EXISTING MAPS

Comparison has been made with U. S. Geological Survey 15 minute quadrangle "SHELL BEACH, LA." scale 1:62,500, surveyed in 1939; and C.& G.S. planimetric map T-5315 compiled from aerial photographs dated Dec. 1-2, 1932.
No outstanding discrepancies were noted.

47. COMPARISON WITH NAUTICAL CHARTS

Comparison has been made with C & G S Nautical Chart No. 1271, scale 1:80,000, published Apr. 1939; corrected to 24 Sept. 1954. The maps listed under Item 46 appears to be the source of topography and the same differences are to be found.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None

ITEMS TO BE CARRIED FORWARD

None

R. Dossett
Carto Photo Aid

Approved and Forwarded
H. C. Applequist

* SINCE A COMPLETE NETWORK OF LAND LINES COULD NOT BE DELINEATED, THIS COMPOSITE MAP WAS NOT USED AND NO LAND LINE INFO. ON THE SCRIBED COPY WAS SHOWN. NO LAND LINES WERE SHOWN ON ANY OF THIS PROJECT AHK

T-2665

Geographic Names.

Alluvial City
Lake Aveda
Lake Amedee
Antonios Lagoon

Bakers Ditch
Bayou Batola
Bayou Batola Bay
Lake Borgne

Bayou Catilano
Bayou La Cl_ape
Cochon Bay
Crooked Bayou

Deulluts Canal
Dans Ditch

East Bayou

Fort Bayou

Grass Lagoon
Bayou Grosbec

Hopedale
Hopedale Canal
Hopedale Lagoon

Jacks Canal
Bayou Jean Louis Robin
Lake J_ean Louis Robin
Joes Canal
Bayou J_uanita

Louisiana
Bayou La L_outre

Middle Bayou

Old Fort Beauregard
Oyster Bay

Plaquemines Parish
Portman Lagoon

Reggio Canal

St Bernard Parish
St_ Joseph Church
Schooner Canal (not Schooners)
Sebastian Roy School (F_rench spelling, not Sebastian)
Shell Beach (village)

Bayou T_erre aux Boeufs
Tonys Lagoon

Ycloskey
Bayou Ycloskey

Names approved 9-20-56
L. Hall.

According to the official state highway map and Sheet 1 of the St. Bernard Parish Map (both 1955), the correct state highway number to Ycloskey and Shell Beach is 46, T_he road eastward from Shell Beach is No. 619, and Ycloskey to H_opedale is No. 624.

T-9665 Geographic Names.

Alluvial City
Lake Ameda
Lake Amedee
Antonios Lagoon

Bakers Ditch
Bayou Batola
Bayou Batola Bay
Lake Borgne

Bayou Catilano
Bayou la Chape
Cochon Bay
Crooked Bayou

Doulluts Canal
Dows Ditch

East Bayou

Fort Bayou
GRAND LAGOON
Grass Lagoon
Bayou Grosbec

Hopedale
Hopedale Canal
Hopedale Lagoon
INEZ LAGOON
Jacks Canal
Bayou Jean Louis Robin
Lake Jean Louis Robin
Joes Canal
Bayou Juanita
Louisiana
Bayou la Loutre

Middle Bayou
NICKS LAGOON
Old Fort Beauregard
Oyster Bay

Plaquemines Parish
Portman Lagoon
RED FISH BAYOU — RABBIT ISLAND BAYOU
Reggio Canal

St Bernard Parish
St. Joseph Church
Schooner Canal (not Schooners)
Sebasthen Roy School (French spelling, not Sebastian)
Shell Beach (village) — SPANISH BAYOU
TANASIA LAGOON
Bayou Terre aux Boeufs
Tonys Lagoon
TURIANO LAGOON
Ycloskey
Bayou Ycloskey

Names approved 9-20-56
L. Heck. A. H.

According to the official state highway map and Sheet 1 of the St. Bernard Parish Map (both 1955), the correct state highway number to Ycloskey and Shell Beach is 46, The road eastward from Shell Beach is No. 619, and Ycloskey to Hopedale is No. 624.

48. GEOGRAPHIC NAME LIST

ALLUVIAL CITY
ANTONIOS LAGOON

BAKERS DITCH
BAYOU BATOLA BAY
BAYOU BATOLA
BAYOU CATILANO
BAYOU GROSBEC
BAYOU JEAN LOUIS ROBIN
BAYOU JUANITA
BAYOU LA CHAPE
BAYOU LA LOUTRE
BAYOU TERRE AUX BOEUFS
BAYOU YSCLOSKEY

COCHON BAY
CROOKED BAYOU

DOULLUTS CANAL
DOWS DITCH

EAST BAYOU

FORT BAYOU

GRASS LAGOON

HOPEDALE
HOPEDALE CANAL
HOPEDALE LAGOON

JACKS CANAL
JOES CANAL

LAKE AMEDA
LAKE AMEDEE
LAKE BORGNE
LAKE JEAN LOUIS ROBIN
LA 32
LA C 1389
LA C 1492
LOUISIANA

MIDDLE BAYOU

OLD FT. BEAUREGARD
OYSTER BAY

PORTMAN LAGOON
PLAQUEMINES PARISH

REGGIO CANAL

SCHOONER CANAL
SEBASTIAN ROY SCHOOL
SHELL BEACH
ST. BERNARD PARISH
ST. JOSEPH CHURCH

TONYS LAGOON

YSCLOSKEY

49. NOTES FOR THE HYDROGRAPHER

None.

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
~~TO BE DELETED~~ } STRIKE OUT ONE

Tampa District Office 9 Sept., 1955

I recommend that the following objects which have ~~(have 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 Rudolph Bennett

H. C. Applequist
Chief of Party.

STATE: LOUISIANA

CHARTING NAME	DESCRIPTION	SIGNAL NAME	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												
LIGHT 2	YSCLOSKEY BAYOU Red triangular structure on piles		29 52	10.55 602	89 40	26.60 714	N.A. 1927	Rad Plot T-9655	Sept.1955		x		1260 1271
DAYBEACON 4	YSCLOSKEY BAYOU Red pointer on pile		29 52	14.61 450	89 40	27.03 717	"	"	"		x		"
DAYBEACON 6	YSCLOSKEY BAYOU Red pointer on pile		29 52	10.81 333	89 40	28.13 755	"	"	"		x		"

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

M-2836-3

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY
Form 24A
Rev. Oct., 1932

LIST OF DIRECTIONS

To locate Bayou Ysccloskey Daybeacons 4 and 6

Station _____ *State* Louisiana

Chief of party P.L. Bernstein *Date* 5 June 1952 *Computed by* B.F.L.

Observer B.F. Lampton *Instrument* _____ *Checked by* _____

U. S. GOVERNMENT PRINTING OFFICE: 1932 — 11—9503

OBSERVED STATION	Observed direction	Eccentric reduction	Sea level reduction*	Corrected direction with zero initial	Adjusted direction*
	° ′ ″	′ ″	″	° ′ ″	′ ″
	0 00 00.00			0 00 00.00	
At Photo pt. 65-A					
Bayou Ysccloskey Lt. 2	0° 00′				
Bayou Ysccloskey Daybn. 6	353° 40′				
Bayou Ysccloskey Daybn. 4	355° 39′				
At Photo pt. 65-B					
Bayou Ysccloskey Lt. 2	0° 00′				
Bayou Ysccloskey Daybn. 6	340° 28′				
Bayou Ysccloskey Daybn. 4	349° 47′				
At Photo pt. 65-C					
Bayou Ysccloskey Lt. 2	0° 00′				
Bayou Ysccloskey Daybn. 6	354° 02′				
Bayou Ysccloskey Daybn. 4	356° 32′				

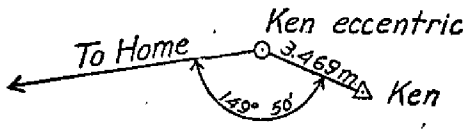
*These columns are for office use and should be left blank in the field.

Station: Ken | *State:* Maryland

Chief of party: C. V. H. | *Date:* 1917 | *Computed by:* O. P. S.

Observer: C. V. H. | *Instrument:* No. 168 | *Checked by:* W. F. R.

OBSERVED STATION	Observed direction	Eccentric reduction	Sea level reduction	Corrected direction with zero initial	Adjusted direction
	° ′ ″	′ ″	″	° ′ ″	′ ″
Chevy	0 00 00.00	− 7.31		0 00 00.00	
Tank west of △ Dulce	29 03 37.0	−1 09.8		29 02 34.5	
Ken (center), 3.469 meters	176 42				
Forest Glen standpipe	313 24 53.0	+3 01.2		313 28 01.5	
Home	326 31 30.21	+ 31.93		326 32 09.45	
Bureau of Standards, wireless pole	352 17 20.8	+ 5.7		352 17 33.8	
Reno	357 28 48.63	− 1.16		357 28 54.78	
Reference mark, 16.32 m	358 31 20				



This form, with the first three and fifth columns properly filled out and checked, must be furnished by field parties. *To be acceptable it must contain every direction observed at the station.*

It should be used for observations with both repeating and direction theodolites.

The directions at only one station should be placed on a page.

If a repeating theodolite is used, do not abstract the angles in tertiary triangulation. The local adjustment corrections (to close horizon only) are to be written in the Horizontal Angle Record, and the List of Directions is to be made from that record directly.

Choose as an initial for Form 24A some station involved in the local adjustment, and preferably one which has been used as an initial for a round of directions on objects not in the main scheme. Use but one initial at a station. Call the direction of the initial 0° 00′ 00.″00, and by applying the corrected angles to this, fill in opposite each station its direction reckoned *clockwise* around the whole circumference regardless of the direction of graduation of the instrument. The clockwise reckoning is necessary for uniformity and to make the directions comparable with azimuths.

If a station has been occupied eccentrically, reduce to the center and enter in this form, in ink, the resulting corrections to the observed directions in the column provided for them. If an eccentric reduction is necessary, but not made in the field, leave the column blank. If the station was occupied centrally, and no eccentric reduction is required, put dashes in the column to show that no corrections are necessary.

Directions in the main scheme should be entered to hundredths of seconds in first-order triangulation; otherwise to tenths only. Points observed upon but once, direct and reverse, should be carried to tenths in first-order and second-order triangulation, and to even seconds only in third-order triangulation. In general, but two uncertain figures should be given.

It is recommended that the following simple plan of observing be used with a repeating instrument: Measure each single angle in the scheme at each station and the outside angle necessary to close the horizon. *Measure no sum angles.* Follow each measurement of every angle immediately by a measurement of its explement. Six repetitions are to constitute a measurement. The local adjustment will consist simply of the distribution of the error of closure of the horizon:

TIDE COMPUTATION

PROJECT NO. Ph- 69 T- 9665

Time and date of exposure 11:51 27 Feb 1952 Reference station Pensacola Diurnal Mean range 1.3

Date of field inspection Sept 1952 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. Required time Interval	9 15 11 51 2 36	Ht. ~~H.T.~~ or L. T. Tabular correction Stage of tide above MLW	0.3 0.0 0.3	Feature bares Stage of tide above MLW Feature above MLW		35328
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 [illegible] Checked by 115

Pens. 1.3
Diurnal 1.0

TIDE COMPUTATION

PROJECT NO. Ph-89 T-9665

Time and date of exposure 1516 1500 1438 20 May 1952 ✓ Reference station Pensacola Diurnal ~~Mean range~~ 1.3

Date of field inspection 20 May 1952 Subordinate station Long Point, Lake Borgne Ratio of ranges 0.8 ✓

	Time h.	m.
High tide	8	07
Low tide	18	55
Duration of rise or fall	10.48	

	Height feet	Height x Ratio of ranges
High tide	1.1 ✓	0.9 ✓
Low tide	0.0 ✓	0.0 ✓
Range of tide		0.9 ✓

	Time h.	m.
High tide at Ref. Sta.	8	07 ✓
Time difference	+1	35 ✓
Corrected time at Subordinate station	9	42 ✓

	Time h.	m.
Low tide at Ref. Sta.	18	55 ✓
Time difference	+1	35 ✓
Corrected time at Subordinate station	20	30 ✓

	h.	m.		feet		feet	Photo. No.
Time ~~H. T.~~ or L. T.	20	30 ✓	Ht. ~~H. T.~~ or L. T.	0.0 ✓	Feature bares	12.5 ✓	Bridge A
Required time	15	16 ✓	Tabular correction	0.5 ✓	Stage of tide above MLW	0.5 ✓	
Interval	5	14 ✓	Stage of tide above MLW	0.5 ✓	Feature above ~~MLW~~ MHW	12.1	
Time ~~H. T.~~ or L. T.	20	30 ✓	Ht. ~~H. T.~~ or L. T.	0.0 ✓	Feature bares	13.5 ✓	Foot Bridge B & C
Required time	15	00 ✓	Tabular correction	0.5 ✓	Stage of tide above MLW	0.5 ✓	
Interval	5	30 ✓	Stage of tide above MLW	0.5 ✓	Feature above ~~MLW~~ MHW	13.1 ✓	
Time ~~H. T.~~ or L. T.	20	30 ✓	~~Ht. H. T.~~ or L. T.	0.0 ✓	Feature bares	5.0 ✓	Bridge D
Required time	14	30 ✓	Tabular correction	0.5 ✓	Stage of tide above MLW	0.5 ✓	
Interval	6	00 ✓	Stage of tide above MLW	0.5 ✓	Feature above ~~MLW~~ MHW	4.6 ✓	
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 R Chassett Checked by JLS

TIDE C●PUTATION

PROJECT NO. Ph-89 T-9665

Time and date of exposure: 10:00	Reference station: Pensacola.	~~Mean~~ Diurnal range	1.3
Date of field inspection: 10 Sept 1952	Subordinate station: Long Point, Lake Borgne.	Ratio of ranges	0.8

	Time h. m.
High tide	3 56
Low tide	16 36
Duration of rise or fall	12 40

	Height feet	Height x Ratio of ranges
High tide	1.7	1.4
Low tide	0.2	0.2
Range of tide		1.2

	Time h. m.
High tide at Ref. Sta.	2 21
Time difference	+ 1 35
Corrected time at Subordinate station	3 56

	Time h. m.
Low tide at Ref. Sta.	13 01
Time difference	+ 1 35
Corrected time at Subordinate station	16 36

	h. m.		feet		feet	Photo. No.
Time ~~H. T.~~ or L. T. Required time Interval	16 36 10.00 6 36	Ht. ~~H. T.~~ or L. T. Tabular correction Stage of tide above MLW	0.2 .6 0.8	Feature bares Br. Stage of tide above ~~MLW~~ MHW Feature above ~~MLW~~ MHW	6.5 4 6.1	Br. 35329
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 RKW Checked by RR

Form T-2

50. PHOTOGRAMMETRIC OFFICE REVIEW

T- 9665

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

4a. Classification label unclassified

CONTROL STATIONS

5. Horizontal control stations of third-order or higher accuracy MMS 6. Recoverable horizontal stations of less than third-order accuracy (topographic stations) XX 7. Photo hydro stations XX 8. Bench marks RRW

9. Plotting of sextant fixes XX 10. Photogrammetric plot report WAR 11. Detail points RRW

ALONGSHORE AREAS

(Nautical Chart Data)

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

PHYSICAL FEATURES

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

CULTURAL FEATURES

27. Roads RRW 28. Buildings RRW 29. Railroads RRW 30. Other cultural features RRW

BOUNDARIES

31. Boundary lines RRW 32. Public land lines RRW

MISCELLANEOUS

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

40. Robert R. Wagner — Reviewer; 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

Field Edit Report
Quad. T-9665

51 Methods- All roads were driven to check their classification. All other features were visually checked at the same time.

Field edit information has been indicated on the discrepancy prints, one field edit sheet and photographs 55W1580, 55W1609, 55W1610 and 55W1622. Additions and corrections have been indicated with violet ink. Deletions are with green ink.

The photographs and field edit sheet have been cross referenced.

A legend appears on the field edit sheet.

52 Adequacy of compilation- The compilation will be complete after application of field edit information.

53 Map accuracy- The manuscript was visually checked only.

54 Recommendations- None are offered.

55 Examination of proof copy- Mr. Eugene I. Estopinal, Parish Engineer, has agreed to examine the proof copy. His address is Room 204, St. Bernard Parish Courthouse, Chalmette, Louisiana.

One discrepancy in geographic names was noted and several new names are submitted. The discrepancy and the new names were verified by Walter Younger, Alluvial City, Louisiana, Sal Caldrone, Delacroix Island, Louisiana, and L.E. Serpas, Hopedale, Louisiana. All of the above people have been fishermen and storekeepers in the from 30 to 40 years.

The discrepancy in names and the new names have been indicated on the names prints.

56 Proposed channel- A deep water channel will cross the project when completed. The channel will begin at the Industrial Canal in New Orleans and run southeasterly to the Gulf of Mexico. The U.S. Engineers are now engaged in the location of the waterway and information to plot the channel on the manuscripts can be obtained from the New Orleans Office.

Respectfully submitted,

William M. Reynolds

William M. Reynolds
Cartographic Survey Aid

76/rab

REVIEW REPORT T-9665
TOPOGRAPHIC
9 October 1957

61. General Statement

See summary.

62. Comparison with Registered Topographic Surveys

628	1:20,000	1857
629	1:20,000	1857
5315	1:20,000	1934

Manuscript T-9665 supercedes all the above surveys in common areas as source material for chart construction.

63. Comparison with Maps of Other Agencies

USGS Shell Beach 1:62,500 1939

64. Comparison with Contemporary Hydrographic Surveys

None

65. Comparison with Nautical Charts

Chart 1271 1:80,000 2nd Ed 1939 7/22/57

66. Adequacy of Results and Future Surveys

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

Special attention is called to item 56 of the Field Edit Report for its influence on future surveys. The data mentioned was not available at the time of review.

Reviewed by:

A. K. Heywood

Approved:

L C Lundy
Chief, Review Branch
Div. of Photogrammetry

Chief, Nautical Chart Branch
Div. of Charts

Chief, Photogrammetry Div.
20 March 1958

Chief, Coastal Surveys Div.

NAUTICAL CHARTS BRANCH

SURVEY NO. T-9665

Record of Application to Charts

DATE	CHART	CARTOGRAPHER	REMARKS
4-2-59	1271	R.K.D.	Partial Before After Verification and Review 2nd
			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
			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.