

# 9671

Original

Diag. Cht. No. 1270.

Form 504

U. S. DEPARTMENT OF COMMERCE  
COAST AND GEODETIC SURVEY

## DESCRIPTIVE REPORT

Type of Survey ..... TOPOGRAPHIC

Field No. .... Office No. T-9671

### LOCALITY

State ..... LOUISIANA

General locality ..... GULF COAST

Locality ..... BRETON - CHANDELEUR

### SOUNDS

1955

### CHIEF OF PARTY

P. L. Bernstein, Chief of Field Party

H. C. Applequist, Tampa District Office

### LIBRARY & ARCHIVES

**APR 15 1958**

DATE .....

COMM-DC 61300

# 1296

DESCRIPTIVE REPORT - DATA RECORD

T - 9671

Project No. (II): 6089

Quadrangle Name (IV):

POINT CHICOT

Field Office (II): New Orleans, La.

Chief of Party: P. L. Bernstein

Photogrammetric Office (III): Tampa Fla.

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): GATE 2,1952

Lat.:  $29^{\circ}44'24.820(764.2m)$

Long.:  $89^{\circ}21'44.631(1199.3)$

Adjusted

~~WATERGATE~~

Plane Coordinates (IV):

State:

Zone:

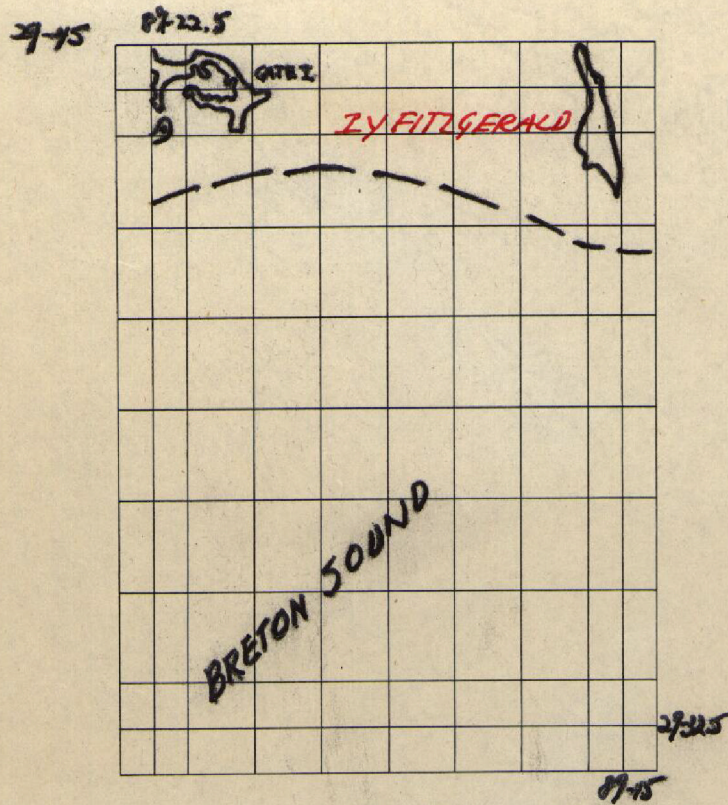
Y=

X=

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

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





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



DESCRIPTIVE REPORT - DATA RECORD

Field Inspection by (II): I. Y. Fitzgerald  
E. T. Ogilby

Date: June  
Aug. 1952 ✓

Planetable contouring by (II): ~~I. Y. Fitzgerald~~

Date: ~~II~~

Completion Surveys by (II):

*See Revised Report Item 66 for T-9670*

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: 29 June 1953 ✓

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

Date: 1 July 1953 ✓

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

Date: 19 Aug. 1953 ✓

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

Date: 20 Aug. 1953 ✓

Radial Plot of Stereoscopic

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

Date: 29 Oct. 1954 ✓

Stereoscopic Instrument compilation (III):  
Planimetry  
Contours

Inapplicable

Date:

Date:

Manuscript delineated by (III): R. A. Reece

Date: 24 Oct. 1955 ✓

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

Date: 26 Oct. 1955 ✓

Elevations on Manuscript  
checked by (III):

J. A. Giles

Date: 25 Oct. 1955 ✓



# DESCRIPTIVE REPORT - DATA RECORD

4

Camera (kind or source) (III): U. S. C. & G. S. 9-lens , Single lens MDA

Number	Date	Time	Scale	Stage of Tide
39359	28 Sept. 1952	9:58	1:20,000	1/1.8
39397	"	10:26	"	1/1.8
MDA-3-153	5 Feb. 1952		"	
MDA-3-156	5 Feb. 1952		"	

## Tide (III) Predicted Tides

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

Diurnal		
Ratio of Ranges	Mean Range	Spring Range
--	--	1.3
1.2	--	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): 2

Shoreline (More than 200 meters to opposite shore) (III): 14

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

Control Leveling - Miles (II): None

Number of Triangulation Stations searched for (II): 4 (3)\*

Recovered: None

Identified: None(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:

\* Third-Order Stations established.



## 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.

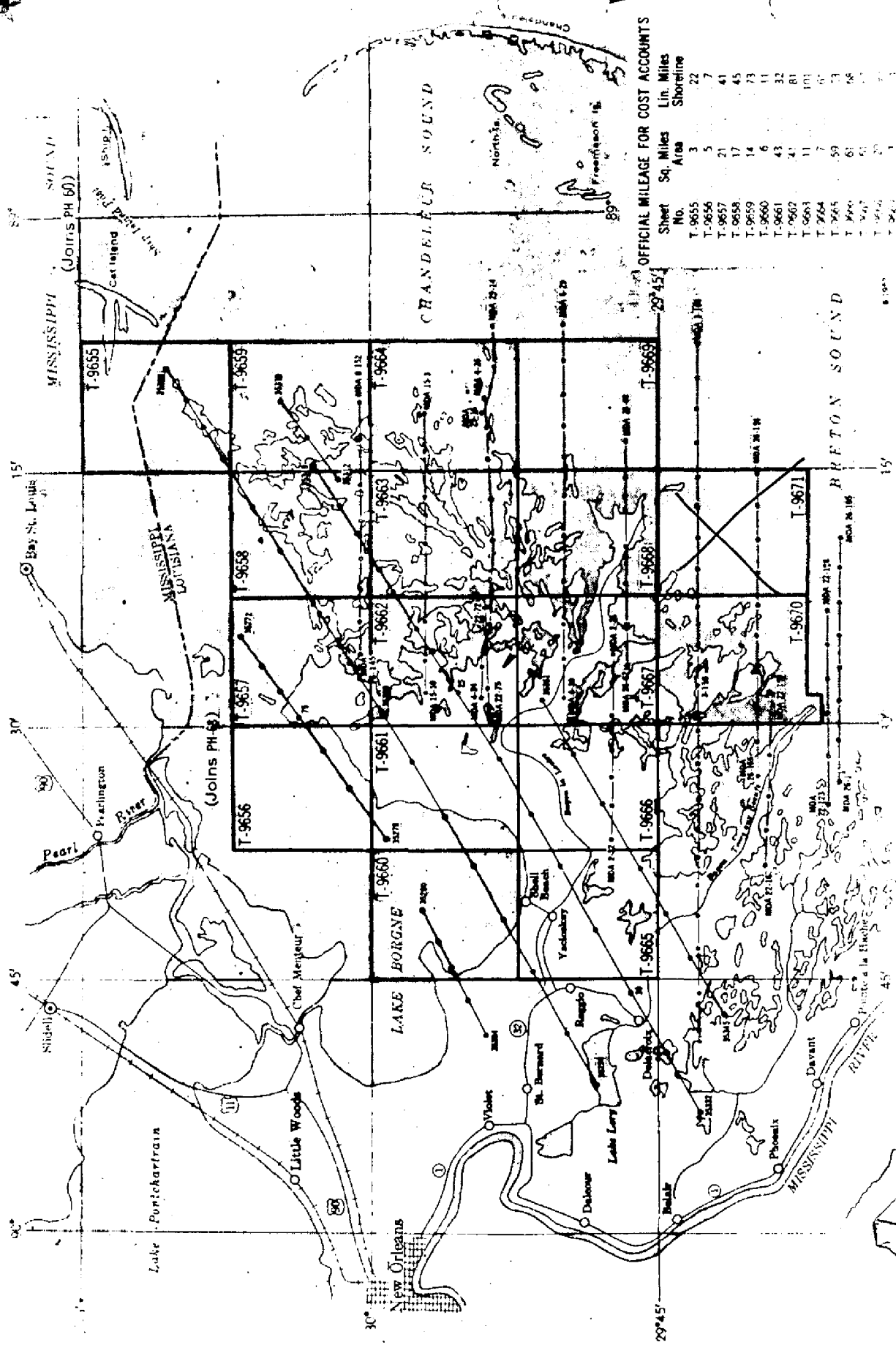
Project PH-89 is a graphic compilation project. Field work in advance of compilation included the establishment of some additional control, complete field inspection, the delineation of 5 foot contours directly on the nine-lens photographs by planetable methods, and the investigation of geographic names 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 67 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.





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	67
T-9665	59	73
T-9666	61	66
T-9667	61	73
T-9668	20	73
T-9670	3	7
T-9671	3	7



## 2. AREAL FIELD INSPECTION

Field work was done on single lens ratio prints MDA-3-153 and MDA-3-156(1 of 2), and MDA-3-156(2 of 2).

There are two steel barges which have been flooded and are resting on bottom near the center of the quadrangle. They are apparently permanent and should be shown as obstructions on nautical charts. The decks are approximately 10 feet above mean high water and there are masts approximately 25 feet above mean high water. They are marked by quick flashing white lights. The photographs covering this area were not furnished the field party but it is believed that the barges were there at time of photography. A signal was erected at the south end of the southerly barge and was located by triangulation. This has been listed on Forms 28B and 567 under the name BEACON 1952.

✓ see note at back

check new triang lines  
can not be identified  
on photo  
Tampa

## 3. HORIZONTAL CONTROL

The following third-order triangulation stations were established: GATE 2, POINT CHICOT LIGHT, BEACON, all 1952. The following stations have been reported as lost on Form 526: GATE 1934, DRAGON FLY 1869, CHICO PT. 1921, and CHIQUILA 1869.

## 4. VERTICAL CONTROL

The Bayou la Loutre tide staff was used to establish mean sea level datum in this quadrangle. See "Special Report, Vertical Control and Contouring, Project Ph-89".

## 5. CONTOURING AND DRAINAGE

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

## 6. to 8. WOODLAND COVER, SHORELINE AND ALONGSHORE FEATURES, and OFFSHORE FEATURES, respectively:

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

## 9. LANDMARKS AND AIDS

There are no landmarks in the area. All aids to navigation are adequately covered by Form 567.

## 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

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

Letter of Transmittal No. 89-16, Data, Quadrangles T-9670( )  
and T-9671( ), forwarded to Washington Office 16 September 1952.

Submitted  
8 September 1952

*Isaiah V. Fitzgerald*  
Isaiah V. Fitzgerald  
Cartographer (Photo)

Approved & Forwarded  
16 September 1952

*Percy L. Bernstein*

Percy L. Bernstein  
Chief of Party



COMPILATION REPORTT-9671PHOTOGRAMMETRIC PLOT REPORT

Submitted with T-9655

31. DELINEATION

The manuscript was compiled by the graphic method.

No unusual problems were encountered.

Photographs were clear and of fair scale. Field inspection was adequate.

32. CONTROL

Reference Photogrammetric Plot Report.

33. SUPPLEMENTAL

None.

34. CONTOURS AND DRAINAGE

The maximum ground elevation is 2 feet.

Drainage was delineated without any difficulty.

35. SHORELINE AND ALONGSHORE DETAILS

The shoreline was delineated according to the field inspector's notes.

36. OFFSHORE DETAILS

None

37. LANDMARKS AND AIDS

Reference Item 9.

\* One (1) fixed aid to navigation has been shown and Form 567 is being submitted herewith.

\* NOTICE TO MARINERS 4390 INDICATES A  
NEW LIGHT ESTABLISHED IN THE VICINITY OF  
LAT. 29° 42' 53" & LONG 89° 18' 29".

38. CONTROL FOR FUTURE SURVEYS

There are no recoverable topographic stations or photo-hydro stations.

39. JUNCTIONS

Junction has been made with T-9668 to the north and T-9670 to the west. There are no contemporary surveys to the south and east.

40. HORIZONTAL AND VERTICAL ACCURACY

No statement.

41. PUBLIC LAND LINES

None

46. COMPARISON WITH EXISTING MAPS

Comparison was made with C & G S Planimetric Map T-5324, scale 1:20,000 compiled from photographs taken in November 1932. Differences were noted in the shoreline. Such changes were doubtlessly brought about by wave action.

47. COMPARISON WITH NAUTICAL CHARTS

Comparison was made with C & G S Chart No. 1270, scale 1:80,000, published June 1947 (2nd edition) and bearing a print date 18 Oct. 1954. The map mentioned (T-5324) in the foregoing paragraph was evidently the source of planimetry and the same differences exist.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

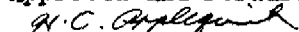
None

ITEMS TO BE CARRIED FORWARD

None

  
Richard A. Reece  
Carto Photo Aid

Approved and Forwarded

  
H. C. Applequist  
Chief of Party



48. GEOGRAPHIC NAME LIST

BRETON SOUND✓

CHANDELEUR SOUND✓

CHICOT ISLAND✓

DEADMAN ISLAND✓

DEADMAN POINT✓

ELOI BAY✓

LOUISIANA✓

POINT CHICOT✓

ST. BERNARD PARISH✓

T-9671.

Geographic Names.

Breton Sound  
Chandeleur Sound.  
Chicot Island  
Chicot Pass  
Pt Chicot

(added)

Deadman Island  
Deadman Point

Eloi Bay

Louisiana

St. Bernard Parish

Names approved 9-19-56

L. Heck  
L. H.



## 50. PHOTOGRAMMETRIC OFFICE REVIEW

T-9671

1. Projection and grids J.G. 2. Title J.G. 3. Manuscript numbers J.G. 4. Manuscript size J.G.  
 5. 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 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 XX 19. Other along-shore cultural features XX

## 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 XX

## CULTURAL FEATURES

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

## BOUNDARIES

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

## MISCELLANEOUS

33. Geographic names J.G. 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 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:

49. NOTES FOR THE HYDROGRAPHER

None

DEPARTMENT OF COMMERCE  
U. S. COAST AND GEODETIC SURVEY

Photogrammetric Review Branch

**TO BE CHARTED  
TO BE DELETED**

**STRIKE OUT ONE**

## ORGANIZATION NONTEACHING AIDS, OR, LANDMARKS FOR CHARTS

### Training Photo Officer

1915

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

The positions given have been checked after listing by

ОДНОБЛАНКОВЫЙ

W. C. Applequist	Chief of Party.
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[illegible]

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**



**TO BE CHARTED  
TO BE DELETED**

**STRIKE OUT ONE**

## NONFLOATING AIDS OR PLAND MARKS FOR CHARTS

உறுப்பினர் பெயர்

21 Feb. 1956

I recommend that the following objects which have ~~(been inspected from seaward to determine their value as landmarks)~~ been inspected from seaward to determine their value as landmarks be charted on ~~(dated 25/5/1960)~~ the charts indicated.

The positions given have been checked after listing by

Richard W. Keene

[illegible]

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 *floating*

## TIDE COMPUTATION

PROJECT NO. PH-89 T. 9671

Time and date of exposure 28 Sept 1952 Reference station PENSACOLA, FLAMean range 1.2Date of field inspection 28 Sept 1952Subordinate station BAR ST LOUISRatio of ranges 1.2

	Time		Height feet	Height x Ratio of ranges	Time		Low tide at Ref. Sta. Time difference Corrected time at Subordinate station	Time h. m.
	h.	m.			h.	m.		
High tide	5	21	1.8	2.2	5	21	Low tide at Ref. Sta.	17 13
Low tide	17	13	0.1	0.1	1	10	Time difference	1 10
Duration of rise or fall	11	52		2.1	6	31	Corrected time at Subordinate station	18 23

	h.	m.	feet	feet	Photo. No.
Time H. T. or L. T. Required time Interval	4	31	2.2	Feature bares Stage of tide above MLW Feature above MLW	39359
Time H. T. or L. T. Required time Interval	9	58	0.8	Feature bares Stage of tide above MLW Feature above MLW	
Time H. T. or L. T. Required time Interval	3	27	1.8	Feature bares Stage of tide above MLW Feature above MLW	
Time H. T. or L. T. Required time Interval				Feature bares Stage of tide above MLW Feature above MLW	
Time H. T. or L. T. Required time Interval				Feature bares Stage of tide above MLW Feature above MLW	
Time H. T. or L. T. Required time Interval				Feature bares Stage of tide above MLW Feature above MLW	
Time H. T. or L. T. Required time Interval				Feature bares Stage of tide above MLW Feature above MLW	
Time H. T. or L. T. Required time Interval				Feature bares Stage of tide above MLW Feature above MLW	

M-2617-12

Computed by P. A. Pace Checked by P. A. Pace

FOR REVIEW REPORT SEE T-9670

NOTE TO NAUTICAL CHARTS:

THE OBSTRUCTIONS MENTIONED IN ITEM 2 OF THE FIELD INSPECTION REPORT COULD NOT BE SEEN ON ANY OF THE AVAILABLE PHOTOGRAPHY.

It is quite possible that there have been raised and floated away ~~if so~~ but we have no proof of this as no field edit was made of this spot.  $\Delta$  Beacon gives the position. This relation was on the map of the barges and is lost if the barges have been moved. B.G.G.



Review Report T-9670, T-9671  
Topographic Map  
21 October 1957

61. General Statement

See Summary

62. Comparison with Registered Topographic Surveys

1099	1:20,000	1870
5324	1:20,000	1934

Manuscripts T-9670, T-9671 supercede the above surveys in common areas as source material for chart construction.

63. Comparison with Maps of Other Agencies

USCG	Lake Athanasio	1:31,680	1935
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64. Comparison with Contemporary Hydrographic Surveys

None

65. Comparison with Nautical Charts

Chart 1270	1:80,000	2nd Ed. 1947	12/17/56
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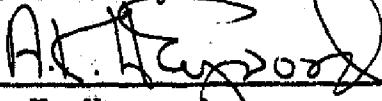
66. Adequacy of Results and Future Surveys

These manuscripts comply with instructions and meet The National Standards of Map Accuracy.


No Field Edit was scheduled and none was needed. The area is covered with marsh.

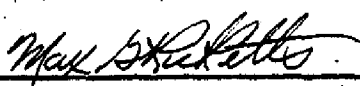
The compilation was checked using USC&GS 1955 W camera photography. Small changes were made.

Reviewed by

  
A. K. Heywood

Approved

  
Chief, Review Branch  
Photogrammetry Div.

  
Chief, Nautical Chart Branch  
Charts Division





20 March 1958  
Chief, Photogrammetry Div. Chief, Coastal Surveys Div.