9862

Daig. Cht. Nos. 1116-2 & 1274-2.

Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey Planimetric

Field No. Ph-90 *Office No.* T-9862

LOCALITY

State Louisiana

General locality Gulf Coast

Locality Bayou Terrebonne to Bayou Grand Caillou

19/52-57

CHIEF OF PARTY

E.H.Kirsch, Chief of Field Party
H.C.Applequist, Tampa Photo. Office

LIBRARY & ARCHIVES

DATE July 31, 1959

8-1870-1 (1)

9862

FORM 181
(4-23-54)

U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT - DATA RECORD

T-9862

Project No. (II) 6090 Quadrangle Name (IV):

Field Office (II): Houma La. Chief of Party: E. H. Kirsch

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

Instructions dated (II) (III): 5 Sept. 1952
(Supplement 1) 25 Sept. 1952
(Supplement 2) 30 Sept. 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): JUN - 1 1953 Date reported to Nautical Chart Branch (IV):

Applied to Chart No. Date: Date registered (IV): 12/17/58

Publication Scale (IV): Publication date (IV):

Geographic Datum (III): N. A. 1927 Vertical Datum (III): MHW

[redacted] 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): DULAC, 1934

Lat.: 29°22'06."597(203.1m) Long.: 90°43'13."469 (363.3m) Adjusted [redacted]

Plane Coordinates (IV): State: Zone:

Y= X=

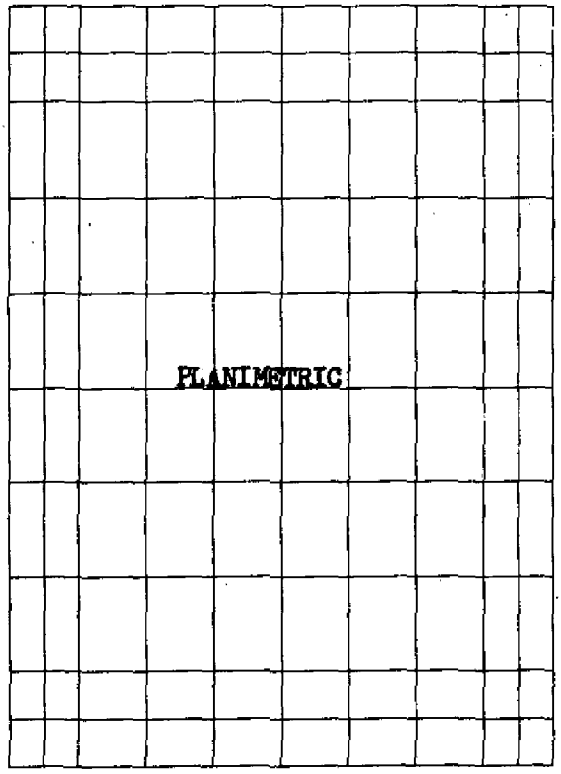
Roman numerals indicate whether the item is to be entered by (II) Field Party, (III) Photogrammetric Office, or (IV) Washington Office.

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

FORM 181a
(4-23-54)

U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT - DATA RECORD



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

FORM 181b
(4-23-54)

U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT - DATA RECORD

Field Inspection by (II): W. M. Reynolds — Date: Dec. 1952 Apr. 1953

Planetable contouring by (II): None — Date:

Completion Surveys by (II): Leo F. Beugnet — Date: March 1957

Mean High Water Location (III) (State date and method of location):
Air Photo Compilation — 17 Apr. 1953

Projection and Grids ruled by (IV): Joan Thuma (W.O.) — Date: 1 Sept. 1953

Projection and Grids checked by (IV): H. D. Wolfe (W.O.) — Date: 4 Sept. 1953

Control plotted by (III): R. R. Wagner — Date: 21 Oct. 1954

Control checked by (III): R. J. Pate — Date: 21 Oct. 1954

Radial Plot or ~~Stereoscopic Control extension~~ by (III): M. M. Slavney — Date: 7 Oct. 1955

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

Manuscript delineated by (III): R. R. Wagner — Date: 1 March 1956

Photogrammetric Office Review by (III): J. A. Giles — Date: 6 March 1956

Elevations on Manuscript checked by (II) (III): J. A. Giles * — Date: 5 March 1956

* Reference paragraph 5

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&GS 9-lens camera and Department of Agriculture single-lens

PHOTOGRAPHS (III)

Number	Date	Time	Scale	Stage of Tide
39578 thru 39581	29 Sept. 1952	11:18 thru 11:21	1:20,000	Inshore quad.
39597 thru 39599	" " "	11:47 thru 11:49	"	
MDA-50-035 53-068 57-057 57-058 57-061	(No data on MDA photographs)			

1956 single-lens photography:
56-W-series 4249 to 4253
4484 to 4487
4536 to 4540
4586 to 4590
of October 23 and 24 - 1956
at 1:30 000

Tide (III)

Inshore quadrangle

Ratio of Ranges	Mean Range	Spring Range

Reference Station:
Subordinate Station:
Subordinate Station:

Washington Office Review by (IV): Josef J. Streifler Date: Nov. 1958

Final Drafting by (IV): Date:

Drafting verified for reproduction by (IV): Date:

Proof Edit by (IV): Date:

Land Area (Sq. Statute Miles) (III): 61

Shoreline (More than 200 meters to opposite shore) (III): 100

[redacted]:

Control Leveling - Miles (II): Inapplicable

Number of Triangulation Stations searched for (II): 6 Recovered: 5 Identified: 5

Number of BMs searched for (II): 23 Recovered: 14 Identified: 4

Number of Recoverable Photo Stations established (III): None

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

Remarks:

Summary
to accompany planimetric map T-9862

T-9862 is a planimetric map of project PH-90 (6090), which includes a number of topographic quadrangles as well. Project PH-90 is along the northern shore of the Gulf of Mexico in the State of Louisiana, between Atchafalaya Bay and Barataria Bay.

Subject survey covers an area south of Lake Boudreaux extending north and south between the towns of Dulac and Cocodrie, east and west from Bayou Terrebonne to Bayou Grand Caillou. The majority of the land area is marsh with limited woodland and cultivated fields along the larger bayous. Nearly all the inhabitants of subject area are settled on the west side of Bayou Petit Caillou and on both sides of the northern portion of Bayou Grand Caillou. All major bayous are accompanied by a road for some distance from the northern edge of the sheet. Only one - State Road No. 57 - continues beyond the south edge of subject area for approximately another half mile to end at the town of Cocodrie. There is only one producing oil well in the area within the limits of the map, though the many waterways serve in the transportation of crude oil of numerous oil fields nearby.

The map was compiled graphically at the Tampa District Office in February 1956 from nine-lens and single-lens photography of 1952 and field inspection of April 1953. The original compilation manuscript was revised in 1957-58 from 1956 single-lens photography and results of field edit of March 1957. This completion survey was confined to areas accessible by road, generally; the remainder of the corrections were based on office interpretation only - as per instructions. The submitted final copy for reproduction is the result of an adequately scribed sheet.

According to instructions of 30 Sept. 1952, a copy of this final compilation manuscript with revised contours will be forwarded to the U. S. Geological Survey to aid in the preparation and publication of a new series of topographic quadrangles at the scale of 1:62500.

A cronar film positive at the compilation scale of 1:20000 and the Descriptive Report will be registered and filed in the Bureau Archives.

Nov. 1958

2. AREAL FIELD INSPECTION

The majority of the area is marsh. There is a belt of fast arable land extending outwards on either side of Bayou Grand Caillou and Bayou Petit Caillou.

Population of the area is concentrated along the both banks of the two major bayous.

Prior to construction of roads, boats were the sole means of reaching any part of the area and is now the sole means of surface transportation for all sections except along the two major bayous, which are now served by State Highways 141 and 79 respectively. These highways parallel the courses of the bayous on their right descending banks. Both highways lead to Houma where they connect with the national road system.

Sugar cane is the main agricultural crop produced on the arable land along the bayous. Some of this land is devoted to truck farming but it is not of notable importance.

Shrimp and oysters are the source of livelihood for the majority of the population. A large part of the catch of both is processed by plants located along the two major bayous which are the base for the shrimp and oyster fleet. Commercial fishing is worthy of note although not of great importance.

The petroleum industry is the new industry in the area. It is now of great importance and is constantly expanding. There is only one producing well within this particular area, but several large fields are located nearby. The bayous serve as the main navigable routes by which supplies are transported to and crude petroleum from the various fields.

Field inspection is believed complete and was performed on the following nine-lens photographs: 39579, 39580, 39597, 39598, and 39599. Photography was of recent date and no difficulty was encountered in the interpretation of the photographs in the field.

No items were deliberately left for the field editor, however, the field editor should be alert for new canals to drilling sites, which will probably be dredged by the time of field edit.

3. HORIZONTAL CONTROL

All Coast and Geodetic Survey control was searched for and where recovered was identified to aid in control of the radial plot.

U. S. Geological Survey traverse station TT 47 B was recovered and identified.

The following station was searched for but not recovered: DEEP 1934.

4. VERTICAL CONTROL

The following USGS bench marks were recovered: TTR48B, TT47B, DREUX 1934, DREUX NO 1, DREUX NO 2, BRIDGE 1934, BRIDGE NO 1, BRIDGE NO 2, BRIDGE NO 3, and Coast and Geodetic Survey bench marks ROBINSON CANAL TIDAL BENCH MARK 1, 2, and 3.

All bench marks except Robinson Canal Tidal Bench Marks 1, 2 and 3 are third-order bench marks established by the U. S. Geological Survey.

No levels of any type were run by the field inspection party.

5. CONTOURS AND DRAINAGE

Contouring of the area was limited to revision of contours of the published quadrangle compiled by the U. S. Geological Survey. The area was closely inspected and no questionable areas were found where additional contours might exist.

All drainage is through the many bayous and canals. These features are self-evident from the photographs.

6. WOODLAND COVER

Adequately covered by the photographs.

7. SHORELINE AND ALONGSHORE FEATURES

The mean high water line in most cases is apparent shoreline. The exception being the banks of part of the bayous, which are fast shoreline. These exceptions are covered by the photographs.

There is little or no periodic tide in the bayous and the low water line is synonymous with the mean high water line.

All docks, wharves, piers, landings and submarine cables are adequately covered by the photographs.

8. OFFSHORE FEATURES

There are none.

9. LANDMARKS AND AIDS

There are none.

10. BOUNDARIES, MONUMENTS AND LINES

See "Special Report, Public Land Lines, Project Ph-90".

There are no political boundaries.

11. OTHER CONTROL

None was established.

12. OTHER INTERIOR FEATURES

All building and road classification is adequately covered by the photographs. The buildings in the marsh are poorly constructed but are definitely of value as a landmark feature and should be shown as Class 1 buildings. These have been labeled "cabin" on the photographs.

Clearances for the following bridge and overhead cable crossing were determined:

Location	Use	Type	Spans	Hor.Clearance Left	Center	Right	Vert.Clearance above MHW
Dulac Bayou Dulac,La	Hwy	SW	1	41.0 ft.-		-	4.5 ft.
Dulac Bayou Dulac,La	Overhead Power Line						64 ft.

13. GEOGRAPHIC NAMES

See "Special Report, Geographic Names, Project Ph-90".

14. SPECIAL REPORTS AND SUPPLEMENTAL DATA

Letter of Transmittal No. 90-7, "Special Report, Public Land Lines, Project Ph-90", and other land lines data, forwarded to Washington Office 29 April 1953.

Letter of Transmittal dated 28 January 1953, public land lines data forwarded to Washington Office, same date.

Letter of Transmittal No. 90-8, "Special Report, Geographic Names, Project Ph-90", forwarded to Washington Office at a later date.

Letter of Transmittal No. 90-35, Data, Quadrangle T-9862( )
forwarded to Washington Office MAY 15 1953

Submitted
14 May 1953

William M. Reynolds
William M. Reynolds
Cartographic Survey Aid

Approved & Forwarded
MAY 15 1953

E.H. Kirsch
E. H. Kirsch
Chief of Party

FORM 164
(4-23-54)

U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY
DESCRIPTIVE REPORT
CONTROL RECORD

MAP T-9862 PROJECT NO. Ph-90 SCALE OF MAP 1:20,000 SCALE FACTOR

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR y-COORDINATE / LONGITUDE OR x-COORDINATE	DISTANCE FROM GRID IN FEET, OR PROJECTION LINE IN METERS FORWARD	(BACK)	DATUM CORRECTION	N.A. 1927 - DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS FORWARD	(BACK)	FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS FORWARD	(BACK)
TTR 48 B(USGS) 1934	G-2386 P.81	N.A. 1927	29 19 08.370 90 42 19.209				257.7 518.3	(1589.6) (1100.7)		
TT 47B (USGS), 1932	USGS Dulac	"	29 22 21.69 90 42 47.11				667.8 1270.5	(1179.5) (347.6)		
DULAC, 1934	G-2386 P.81	"	29 22 06.597 90 43 13.469				203.1 363.3	(1644.2) (1254.9)		
DREUX, 1934	" P.81	"	29 17 26.702 90 38 53.738				822.1 1450.4	(1025.2) (169.1)		
BRIDGE, 1934	" P.102	"	29 19 55.143 90 38 33.310				1697.7 898.7	(149.6) (720.1)		

1 FT. = .3048006 METER

COMPUTED BY B. Wilson DATE 10/23/53 CHECKED BY J. Steinberg DATE 11/4/53

COMM-DC-57843

10

COMPILATION REPORT T-9862

PHOTOGRAMMETRIC PLOT REPORT

Submitted with T-9865.

31. DELINEATION

The graphic method was used.

32. CONTROL

See Photogrammetric Plot Report.

33. SUPPLEMENTAL DATA

None used.

34. CONTOURS AND DRAINAGE

See Item 5

The drainage was delineated as photographed.

35. SHORELINE AND ALONGSHORE DETAILS

There are no low-water or shoal lines, 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

Junctions have been made with T-9673 to the north, T-9861 to the west, T-9863 to the east and T-9872 to the south.

40. HORIZONTAL AND VERTICAL ACCURACY

No statement.

41. PUBLIC LAND LINES

The section lines along the northern boundary of T-20S R-17E and the section lines of T-19S - R-17E are based on plane coordinate positions furnished by T. Baker Smith, a private surveyor. They agree with various recoverable lines on the photographs and appear to be reliable.

An arbitrary system of plane coordinates was submitted by the field inspector for the most part of T-19S R-18E on a print which was also furnished by T. Baker Smith. A correction factor was applied to the arbitrary coordinates at two points, where plane coordinates on the state grid system were given. The correction was not the same for the two points. The section lines that were constructed from the correction.factor that was determined from a point on the Gorlinski Survey line with the Township Line 18S-19E are shown in red on the section line Discrepancy Print. The section lines in blue were extended from surveys T-9673 and T-9674.

The section lines at T-20S R-17E, T-20S R-18E, T-21S R-17E and T-21S R-18E were applied using recognized details from the original G.L.O. plat as control. They should be considered as unreliable.

Reference"Special Report Public Land Lines Ph-90".

46. COMPARISON WITH EXISTING MAPS

Comparison was made with C&GS planimetric map Bayou Grand Caillou to Lake Tambour, T-5293, scale 1:20,000 dated 21 June 1935, and Geological Survey Quadrangle DULAC, LA. scale 1:62,500, Edition of 1944. They are in fair agreement with the manuscript.

47, COMPARISON WITH NAUTICAL CHARTS.

Comparison was made with C&GS Chart 1050, scale 1:175,000 published Oct. 1939, corrected 23 June 1952. The two are in fair agreement. The maps listed in paragraph 46 appear to be the sources 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. R. Wagner
Carto Photo Aid.

Approved and Forwarded

William A. Rosure

for H. C. Applequist
Chief of Party

T-9862. Geographic Names.

Bay Cocodrie
Bay Negresse
Bayou Cantrelle
Bayou de l'Ouest
Bayou Dulac
Bayou Bluff
Bayou Grand Caillou
Bayou l'Ourse
Bayou Petit Caillou
Bayou Plat
Bayou Sale
Bayou Sale Road (part of newly numbered La. 57)
Bayou Terrebonne

Alligator Bayou

Deep Bayou
Deep Saline

Dulac Elementary School
Dulac Indian Mission School

Felix Lake
Four Point Bayou

Grassy Bayou
Grand Pass Chaland
Kings Bayou
Lake Quitman
Lapeyrouse Canal
Little (not Lake) Cocodrie Bayou
Little Pass Chaland
Louisiana

Mound Bayou

Rabbit Bayou
Robinson Canal

Sevin Canal
Sweetwater Pond

Terrebonne Parish

Wax Bayou

On 1955 Terrebonne Parish Highway Map No. 79 is new 56 ; new No. 57 is Bayou Sale Road; the short section numbered 141 on manuscript is not numbered on the new highway map.

Names approved 11-27-56
L. Heck. LH.

Form T-2

50. PHOTOGRAMMETRIC OFFICE REVIEW

T- 9862

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

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 J.G.

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 J.G. 16. Aids to navigation XX 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 XX 26. Other physical features J.G.

CULTURAL FEATURES

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

BOUNDARIES

31. Boundary lines XX 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 J.G. 37. Descriptive Report J.G. 38. Field inspection photographs J.G. 39. Forms J.G.

40. Jesse A. Giles
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
MAP T-9862

51. METHODS

Field edit was done in accordance with standard accepted practice and instructions as modified by:

(a) Bureau letter 711-lmh to Tampa District Office, subject: Field Edit-Project 24200 (Ph-90), Topographic and planimetric maps-Louisiana Coast, dated 2 January 1957.

(b) Bureau letter 711-lmh to Tampa District Office, subject: Location of Oil Wells-Project 24200 (Ph-90), dated 20 January 1957.

(c) Bureau letter 73-dmm to Chief, Photogrammetric Party No. 1, subject: Field Edit-Project 24200 (Ph-90), Louisiana, dated 20 February 1957.

Due to clouds on the 1956 photography it was necessary to make field edit correction on both the 1956 photography and the original photography. Field edit corrections on the 1956 photography were made in red ink while the corrections on the original photography were made in violet. Field edit corrections appear on the following photographs: 56-W-4252, -4536, -4537, -4588, -4589, -4590, 39452, 39579 and 39580. All corrections or additions are cross referenced on the discrepancy print and/or the field edit sheet.

Deletions of compiled detail were made directly on the field edit sheet.

A legend of the colored inks used and their significance was placed upon the discrepancy print and the field edit sheet.

There is only one field edit sheet.

Buildings constructed between dates of photography were circled in red ink on the 1956 photography and in violet on the original photography. Class 2 buildings were indicated by placing the numeral 2 alongside the circle; class 1 buildings were not indicated other than by the circle.

52. ADEQUACY OF COMPILATION

The compilation will be adequate upon application of the field edit corrections and revisions to be made from the 1956 photography.

53. MAP ACCURACY

No accuracy tests were made.

54. RECOMMENDATIONS

None.

55. EXAMINATION OF PROOF COPY

Mr. C. E. Bridges, Chief Civil Engineer, of the Louisiana Land and Exploration Company, P. O. Box 231, Houma, Louisiana has agreed to have his office examine a proof copy of any maps of this project that may be submitted to him. The Louisiana Land and Exploration Company owns about 25% of the land within the limits of this project and have men that are familiar with the area that patrol this property.

Mr. Bridges office is highly interested in seeing accurate maps published of the area and are willing to have their office and field men examine the maps for any discrepancies that may exist in geographic names and other pertinent details.

Submitted 21 March 1957

Leo F. Beugnet

Leo F. Beugnet
Cartographic Survey Aid

Approved:

Ira R. Rubottom

Ira R. Rubottom
Chief of Party

Review Report of
Planimetric Map T-9862
November 1958

62. Comparison with Registered Topographic Surveys:

T-5293 1:20000 1934

There is good agreement between these two surveys, generally. Two prominent roads have been added since the survey of 1934 and subject survey appears to be more extensively detailed. T-5293 should no longer be considered for nautical charting purposes of common areas with availibility of T-9862.

63. Comparison with Maps of Other Agencies:

DULAC, LA., 1:62500, Ed. of 1944, U. S. Geological Survey
There is good agreement between these two surveys.

64. Comparison with Contemporary Hydrographic Surveys:

None!

65. Comparison with Nautical Charts:

1274	1:80000	Revised to 58	6/23
1050	1:175000	" " "	5/12

There are two roads (one west of Four Point Bayou- the other along Bayou Sale and Grassy Bayou) not shown on chart 1274. The most important one of these two roads does appear on chart 1050 of earlier date. Other than these, no disagreements were noted.

66. Adequacy of Results and Future Surveys:

No deficiencies in adequacy or accuracy are indicated, as the map was constructed according to instructions.

Reviewed by:

Josef J. Streifler

APPROVED BY:

L C Lande
Chief, Review & Drafting Section
Photogrammetry Division

Mark Ricketts
Chief, Nautical Chart Branch
Charts Division

L W Swanson
Chief, Photogrammetry Division
16 July 59

Chief, Coastal Surveys Division

NAUTICAL CHARTS BRANCH

SURVEY NO. T. 9862

Record of Application to Charts

DATE	CHART	CARTOGRAPHER	REMARKS
6-29-56	1274	FBE	Before ~~After~~ Verification and Review Exam. only
			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.