

10745

Original

10745

10745

Form 504 U. S. DEPARTMENT OF COMMERCE COAST AND GEODETIC SURVEY DESCRIPTIVE REPORT	
Type of Survey <u>Planimetric</u>	
Field No. _____	Office No. <u>T-10745</u>
LOCALITY	
State <u>Alabama</u>	
General locality <u>Mississippi Sound</u>	
Locality <u>Grand Bay</u>	
<u>1957-1962</u>	
CHIEF OF PARTY W.M. Reynolds, Chief of Party W. E. Randall, Balto. District Office	
LIBRARY & ARCHIVES	
DATE _____	

DESCRIPTIVE REPORT - DATA RECORD

FIELD INSPECTION BY (II): M. A. Stewart	DATE: January 1959
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MEAN HIGH WATER LOCATION (III) (STATE DATE AND METHOD OF LOCATION):

November 1957 field inspection supplemented by office interpretation.

PROJECTION AND GRIDS RULED BY (IV): P. J. Dempsey	DATE 10/25/58
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PROJECTION AND GRIDS CHECKED BY (IV): R. D. Shoup	DATE 3/5/59
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CONTROL PLOTTED BY (III): R. J. Pate	DATE 4/30/59
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CONTROL CHECKED BY (III): I. I. Sapperstein =	DATE 4/30/59
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RADIAL PLOT OR STEREOSCOPIC CONTROL EXTENSION BY (III): H. R. Rudolph	DATE 12/22/59
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STEREOSCOPIC INSTRUMENT COMPILATION (III):	PLANIMETRY	DATE
	CONTOURS	DATE

MANUSCRIPT DELINEATED BY (III): B. Wilson	DATE 2/4/60 2/19/60
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SCRIBING BY (III): M. S. Cunningham	DATE 3/60
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PHOTOGRAMMETRIC OFFICE REVIEW BY (III): R. Glaser	DATE 3/10/60
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REMARKS: Field Edit- 1962 (Refer to item 61, page 19)

DESCRIPTIVE REPORT - DATA RECORD

CAMERA (KIND OR SOURCE) (III):
Nine-Lens and "L" cameras

PHOTOGRAPHS (III)				
NUMBER	DATE	TIME	SCALE	STAGE OF TIDE
56592 thru 56594	11-9-57	11:50	1:10,000	at MLW
56660 thru 56662	"	12:48	"	0.2' above MLW
57L2340 thru 2344	"	"	"	" " "
57L2443 and 2444	"	12:34	"	0.3' above MLW

TIDE (III)			Diurnal		
			RATIO OF RANGES	MEAN RANGE	SPRING RANGE
REFERENCE STATION:	Pensacola, Florida				1.3
SUBORDINATE STATION:	Pascagoula River Entrance, Mississippi				1.6
SUBORDINATE STATION:					

WASHINGTON OFFICE REVIEW BY (IV):	Leo F. Beugnet, Atlantic Marine Center	DATE:	October 1967
PROOF EDIT BY (IV):		DATE:	
NUMBER OF TRIANGULATION STATIONS SEARCHED FOR (II):	14*	RECOVERED:	7
		IDENTIFIED:	7
NUMBER OF BM(S) 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 five stations north of project limits.

COMPILATION RECORD

COMPLETION DATE

REMARKS

Compiled	February 1960	
Field Edit	April 1962	
Final Review	October 1967	

SUMMARY TO ACCOMPANY
DESCRIPTIVE REPORT T-10745

Survey T-10745 is one of 47 similar Planimetric Surveys in project Ph-5704. It covers the greater part of the shoreline of Grand Bay on the north side of Mississippi Sound.

Field work preceding compilation consisted of recovery and identification of horizontal control, field and shoreline inspection and investigation of Geographic Names and Boundaries.

Compilation was at 1:10,000 scale by radial plot methods using the 1:10,000 scale 9 lens photography obtained in November 1957. Cronaflex copies of the manuscript along with specially prepared photo-hydro support photographs, blueline tracings and ozalid prints were furnished for preparation of the hydrographers boatsheet, location of signals and field edit purposes.

The manuscript is a vinylite sheet 3 minutes 45 seconds in latitude by 3 minutes 45 seconds in longitude which was scribed and reproduced on cronaflex. One cronar positive and one cronar negative are provided for record and registry.

FIELD INSPECTION REPORT
QUADRANGLES T-10744 - T-10745 - T-10753 - T-10754
PROJECT PH-5704

2. Areal Field Inspection These maps are located along the southern coast of Mississippi and Alabama, south of the villages of Pecan and Grand Bay. The land area of maps T-10744 and T-10745 is covered mainly by trees and swamp. There are small areas devoted to farming. The predominant means of livelihood for the inhabitants is fishing. The land area for maps T-10753 and T-10754 is entirely marsh along mainland together with all or parts of offshore islands. These two maps completely un-inhabited.

Field inspection is believed complete and was performed on the following nine-lens photographs; 55592 through 56596, 56658 through 56662, 56684, 56685, ~~56685~~, 56707 and 56709. No items were deliberately left for field edit.

Photography was of good quality and no difficulty was encountered in their interpretation in the field except for the following; the tones along the junctions of photographs 56595 and 56659 were inconsistent in marsh and swamp areas. These areas were closely inspected by walking over the ground. The limits of marsh and swamp were indicated at the same time. In some areas the limits were indefinite on the ground as well as on the photographs and the limits were generalized.

Local information revealed that the ground was extremely wet at the time of photography and it is believed that this is responsible for some of the indefinite limits. Marsh and swamp limits have been indicated in their entirety.

3. Horizontal Control All Coast and Geodetic Survey Control was searched for and where recovered was identified.

Several third-order traverse stations, established by Alabama Geodetic Survey, were searched for. Two of these stations were recovered and identified. These stations are 318 and 318-3.

Stations GRAND 1910, BAT 1910, 327-11, 340-2 and 340-3 were indicated on the project index to be identified. These stations could not be found.

The following stations were reported lost; BAT 1910, RAIN 1910, STIR 1910, GRAND 1910, 318-1, 318-2, 327-11, 340-2 and 340-3.

4. Vertical Control Recovery of vertical control was not required.

5. Contours and Drainage Contours are inapplicable.

The many bays in the area are self evident from the photographs.

6. Woodland Cover All woods were inspected and classified on the photographs. Woodland cover consists primarily of pine on the higher ground. The swamp areas are covered by scattered cypress and gum. See also item 2 PP3.

7. Shoreline and Alongshore Features The mean high water line is both fast and apparent. Any doubtful areas were inspected by walking along the shore. The remaining areas were inspected by skiff running along the shore. The mean highwater line has been indicated by symbol on the photographs. Shoreline inspection has been indicated on the following 9 lone photographs; 56659 through 56662, 56684, 56685, ~~56686~~, 56707 and 56709.

The horizontal distance between the mean high and low water lines is too short for mapping at the project scale.

There are no bluffs or cliffs in the area.

All wharves, piers or landings have been indicated on the photographs.

There are no submarine cables in the area.

8. Offshore Features There are none.

9. Landmarks and Aids There are no landmarks or fixed aids to navigation.

There are no aeronautical aids.

There are no outstanding interior features.

10. Boundaries, Monuments and Lines See Special Report Boundaries, Project Ph-5704. This report will be submitted at a later date.

11. Other Control One recoverable topographic station was identified for location by the plot. The station is DUKE 1958.

12. Other Interior Features All roads and buildings were field inspected. Roads have been classified and landmark buildings have been indicated on the photograph.

There are no bridges or cables over navigable waters.

There are no airports or landing fields.

13. Geographic Names See Special Report Geographic Names Project Ph-5704 submitted to Washington office 22 January 1959.

14. Special Reports and Supplemental Data

Special Report Geographic Names, Project Ph-5704.

This report was submitted to the Washington office on 22 January 1959.

Special Report, Boundaries, Project Ph-5704.

This report will be submitted at a later date.

Approved:

William M. Reynolds
William M. Reynolds

Submitted:

Matthew A. Stewart
Matthew A. Stewart

PHOTOGRAMMETRIC PLOT REPORT
Project Ph-5704
Surveys Nos. T-10743 thru T-10745
T-10752 thru T-10755 and
the western portion of T-10746.

21. AREA COVERED

This radial plot covers the area of the surveys listed above. They are planimetric surveys along the north shore of Mississippi Sound between Bayou Casotte on the west and Bayou LaBatre on the east. The area also includes Pt. Aux Chenes Bay, Grand Bay, the entrance to Bayou LaBatre, and all of Isle Aux Herbes.

22. METHOD - RADIAL PLOT

Map Manuscripts:

Mylar sheets with polyconic projections in black, Mississippi State Grid, East Zone, in red; Alabama State Grid, West Zone, in red or green were furnished by the Washington Office.

All triangulation and substitute points were plotted in the Tampa Office prior to transmitting the manuscripts to this office. Some pass points and photo centers were established by a previous plot on surveys T-10743 and T-10752.

A sketch showing the layout of the surveys, distribution of control and photograph centers is attached to this report.

Photographs:

Thirty-five (35) nine-lens photographs, taken in 1957 at a scale of 1:10,000 were used in the radial plot, numbered as follows:

56590	through	56599,
56655	"	56664,
56679	"	56688,
56705	"	56707,
56754	and	56755.

Templets:

Vinylite templets were made using the master templet to correct for film and paper distortion, and chamber displacement.

Closure and Adjustment to Control:

The radial plot was constructed directly on the map manuscripts. The construction was started at the west end of the area by relaying the templets in the areas of Surveys Nos. T-10743 and T-10752, using the photograph centers and pass points established by the previous plot. The plot was extended eastward to the control just west of the eastern limits of Surveys Nos. T-10746 and T-10755. No information had been received relative to the control beyond the limits of those surveys.

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The templets for the middle flight were laid first followed by the northern flight. After adjusting the templets and by-passing one Control Station, namely 318 (AGS) 1940, a rigid plot was made. The southern flight and the two diagonal flights were then added without further difficulty.

Transfer of Points

The position of all photograph centers and pass points were pricked on the top templets and then drilled through the templets and map manuscripts.

23. ADEQUACY OF CONTROL

The density and distribution of control was adequate for all surveys, except the northeast portion of Survey T-10746, which was not completed in this radial plot.

The following control station could not be held in the plot:
318 (AGS) 1940 - The radially plotted position of the substitute station falls approximately 0.5 mm. WSW of the plotted position. The point identified was a small bush. There is another small bush approximately 0.5 mm. ENE of the one identified. Since there is another control station nearby which was held in the plot, it is possible that the wrong bush was identified.

24. SUPPLEMENTAL DATA

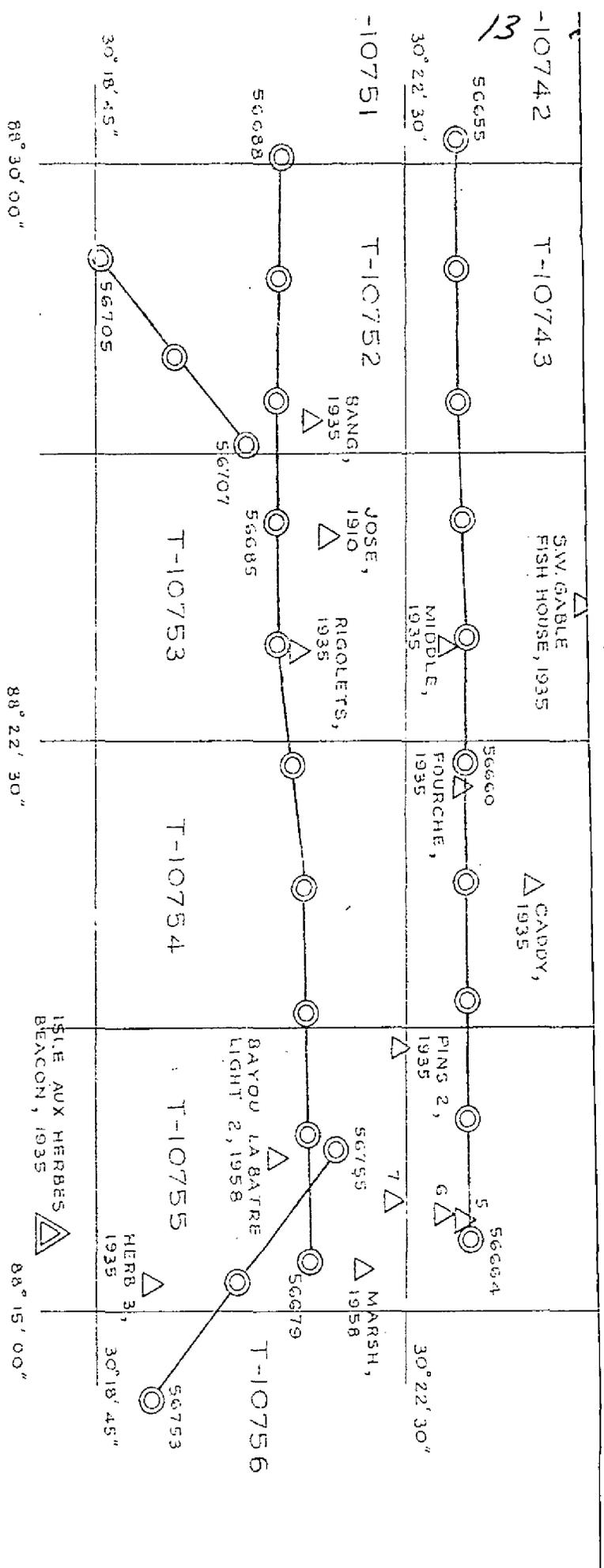
None.

25. PHOTOGRAPHY

Some of the photographs in this plot were warped creating an uneven surface. This made it difficult to adjust the templets to the photographs.

Respectfully submitted
22 December 1959

Harry R. Rudolph
Harry R. Rudolph
Carto. (Photo.)



- MOSS POINT, SOUTHERN PAPER CO., WATER TANK, 1930
- 318, AGS, 1940
- 318-3, AGS, 1940
- 318-6, AGS, 1940
- BAYOU LA BATRE RANGE, REAR LIGHT, 1958
- BAYOU LA BATRE RANGE, FRONT LIGHT, 1958
- BAYOU LA BATRE LIGHT 6, 1958

LAYOUT SKETCH

PROJECT PH-5704

SURVEYS T-10743 thru T-10746
T-10752 thru T-10755

- ⊙ Nine lens office photographs
- △ Control station identified
- ⊗ Control station not held in plot
- ⊖ Control station office identified

COMPILED REPORT
T-10744 & T-10745

31. DELINEATION

The manuscript was delineated by graphic methods.

32. CONTROL

Identification and distribution of horizontal control was adequate. Although additional control would have been useful, the results are considered adequate.

33. SUPPLEMENTAL DATA

Preliminary and Final Names Sheets prepared on U.S.G.S. Grand Bay, Ala.-Miss. quadrangle.

34. CONTOURS AND DRAINAGE.

Contours: Not applicable.

Drainage: No comment.

35. SHORELINE AND ALONGSHORE DETAILS

The shoreline inspection was adequate.

The small sections of low-water line delineated on T-10745, essentially the offshore limit of mud, was by office interpretation.

36. OFFSHORE DETAILS

No comment.

37. LANDMARKS AND AIDS

None.

38. CONTROL FOR FUTURE SURVEYS

None.

39. JUNCTIONS

Junction is in agreement between the two subject surveys. Junctions have also been made and are in agreement with the following surveys:

- T-10743 to the west.
- T-10746 to the east.
- T-10753 to the south.
- There are no contemporary surveys to the north.

40. HORIZONTAL AND VERTICAL ACCURACY

No comment.

41. BOUNDARIES

The Alabama-Mississippi state boundary line (T-10744) was plotted by using triangulation station STATE LINE 2, 1958 (which is located several minutes to the north of survey T-10744) and the average of several points of detail along the line as shown on the Grand Bay quadrangle correlated to the manuscript.

42 through 45. Not applicable.

46. COMPARISON WITH EXISTING MAPS

U.S.G.S. Grand Bay, Ala.-Miss. quadrangle, scale 1:62,500, edition of 1943.

47. COMPARISON WITH NAUTICAL CHARTS

Chart 874, scale 1:40,000, published 7/2/51, and revised to 3/23/59.

Items to be applied to nautical charts immediately: None.

Items to be carried forward: None.

Respectfully submitted
11 March 1960

Raymond Glaser

Raymond Glaser
Carto. (Photo.)

Approved and Forwarded

William E. Randall

William E. Randall
LCDR, C&GS
Baltimore District Officer

48. GEOGRAPHIC NAME LIST

- * Bayou Caddy
- Bayou LaFourche Bay
- * Bull Bay Bayou

- Grand Bay
- Grand Bayou
- Grand Bay Swamp

- Little Bay Island
- ~~Marsh Island~~ → Marsh Island - g.f.
- Mobile County

- Point Caddy
- ** Sandy Bay

* Position for these names taken from chart No. 874.

** From Chart 874-SC

Names approved

June 18, 1968

R. J. Wright
Frank W. Fickett

T-10745

49. NOTES FOR THE HYDROGRAPHER

Investigate offshore objects about 200 meters north of MARSH ISLAND. There was no field inspection and therefore the character of the features could not be determined. It appears from office examination to be a pile or dolphin, a shallow area and a small islet or sand bar.

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PHOTOGRAMMETRIC OFFICE REVIEW

T-10744 & T-10745

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

CONTROL STATIONS

5a. Classification label

- 5. Horizontal control stations of third-order or higher accuracy
- 6. Recoverable horizontal stations of less than third-order accuracy (topographic stations)
- 7. Photo hydro stations
- 8. Bench marks
- 9. Plotting of sextant fixes
- 10. Photogrammetric plot report
- 11. Detail points

ALONGSHORE AREAS

(Nautical Chart Data)

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

PHYSICAL FEATURES

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

CULTURAL FEATURES

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

BOUNDARIES

- 31. Boundary lines
- 32. Public land lines

MISCELLANEOUS

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

40. P. Glusac Reviewer Joseph Steinberg 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:

* Refer to item 61, page 19.

U. S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

Field Edit Report
(Shoreline)
Quadrangles T-10742, T-10741 thru
T-10758 & T-10760 thru T-10768
Project PH-570A

51. Methods

The shoreline was inspected by truck, skiff and walking along the beach. The distance to the MHWL from known points was checked and found to be correct and adequate, except where noted in red on original copies of the manuscripts.

Field edit information has been shown on field edit sheets for T-10741, T-10742, T-10748, T-10749, 10750, T-10765, T-10766 and T-10767.

52. Adequacy of Compilation

The map compilation appears to be complete and adequate.

53. Map Accuracy

The shoreline is accurate, except for changes since photography, as shown on the field edit sheets. However, the Bayou Casotte-Pascagoula area is under extensive development and changes in land marks and shoreline will be many in the next few years. The Pascagoula and Bayou Casotte channels are being dredged at the present time. Since a hydrographic survey of Mississippi Sound is now in progress the hydrographic unit has said that they will delineate the new spoil banks when the dredging is completed.

54. Recommendations

There are no recommendations.

55. Examination of Proof Copy

No one was contacted to examine a proof copy of the map.

Submitted: 30 April, 1962

James H. Blumer
James H. Blumer
Sub Unit 721

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REVIEW REPORT T-10745
PLANIMETRIC
October 11, 1967

61. GENERAL STATEMENT

See Summary accompanying Descriptive Report.

There was no field edit sheet with the data provided to the Final Reviewer for this survey. The Field Edit Report of April 30, 1962 included this map and it is assumed that there were no field edit corrections.

62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS

There were no previous Registered Topographic surveys of the area available at the time of Final Review.

63. COMPARISON WITH MAPS OF OTHER AGENCIES

Comparison was made with a copy of USGS GRAND BAY, ALA., 1:24,000 scale 7½ minute quadrangle, edition of 1958. The two surveys are in good agreement except along part of the shoreline particularly in the area of Marsh Island. The difference has been noted on the Comparison Print in purple.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS

Comparison was made with a copy of smooth sheet H-8648. The shoreline of the two surveys are in good agreement.

65. COMPARISON WITH NAUTICAL CHARTS

Comparison was made with Chart 874-SC, 2nd Edition, corrected thru NM 46- November 12, 1966. No differences between the two surveys were noted.

66. ADEQUACY OF RESULTS AND FUTURE SURVEYS

This survey complies with instructions and meets the National Standard of Map Accuracy.

67. PHOTOGRAPHS

The following photographs were used during Final Review:
57 L 2340 thru 2344
57 L 2443 and 2444

Reviewed by:

Leo F. Beugnet
Leo F. Beugnet

Approved by:

Fol M. Stark
J. Bull, RADM
Director, Atlantic Marine Ctr.

Approved by:

Charles L. ...
Chief, Photogrammetric Branch AB

R. H. ...
Chief, Photogrammetry Division

John C. ...
Chief, Nautical Chart Division
Marine