

10989

Original

10989

10989

Form 504	
U. S. DEPARTMENT OF COMMERCE	
COAST AND GEODETIC SURVEY	
DESCRIPTIVE REPORT	
Type of Survey	PLANIMETRIC
Field No.	Office No. T-10989
LOCALITY	
State	ALABAMA
General locality	MOBILE BAY
Locality	BON SECOUR BAY
1957 - 1961	
CHIEF OF PARTY	
Joseph K. Wilson, Chief Photo Party 720	
William R. Kachel, Tampa District Office	
LIBRARY & ARCHIVES	
DATE	

USCOMM-DC 5067

DESCRIPTIVE REPORT - DATA RECORD

T- 10989

Project No. (II): Ph-5704

Quadrangle Name (IV):

Field Office (II): Fairhope, Alabama

Chief of Party: Joseph K. Wilson

Photogrammetric Office (III): Tampa, Florida

Officer-in-Charge: William R. Kachel

Instructions dated (II) (III): II 23 June 1958 (Field)

Copy filed in Division of
Photogrammetry (IV)

10 Feb. 1959 (Field Suppl.1)

III 7 Apr. 1959 (Office)

9 Sept. 1959 (Stereo Bridging)

17 Aug. 1959 (Office Suppl.1)

6 Oct. 1959 (Office Suppl.1)

17 Aug. 1959 (Field Suppl.2)

10 Nov. 1959 (Field & Office

Suppl.3)

Location of Aids to Navigation dated 7 Oct. 1959

Method of Compilation (III): Graphic

Manuscript Scale (III): 1:10,000

Stereoscopic Plotting Instrument Scale (III): Inapplicable

Scale Factor (III): None.

Date received in Washington Office (IV):

Date reported to Nautical Chart Branch (IV):

APRIL 15, 1968

Applied to Chart No.

Date:

Date registered (IV):

Publication Scale (IV):

Publication date (IV):

Geographic Datum (III): N.A. 1927

Vertical Datum (III): MHW

~~Mean low water~~ 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): WEEKS 1935

Lat.: 30°21'41.859" (1289.0 m)

Long.: 87°50'04.256" (113.7 m)

Adjusted

~~MANUSCRIPT~~

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.

DESCRIPTIVE REPORT - DATA RECORD

Field Inspection by (II): W. M. Reynolds
Matthew A. Stewart

Date: Jan. 1960

Planetable contouring by (II): Inapplicable

Date:

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

Date: June 1961

Mean High Water Location (III) (State date and method of location): Air Photo Compilation
Date of Photography: 20 Nov. 1957

Projection and Grids ruled by (IV): J. Frazier (W.O.)

Date: Feb. 1960

Projection and Grids checked by (IV): P. J. Dempsey (W.O.)

Date: Feb. 1960

Control plotted by (III): None

Date:

Control checked by (III):

Date:

Radial Plot ~~of Stereoscopic~~

Date: Aug. 1960

~~Stereoscopic Instrument~~ by (III): R. R. Wagner

Stereoscopic Instrument compilation (III):
Planimetry
Contours

Date:

Inapplicable

Date:

Manuscript delineated by (III): W. W. Dawsey

Date: Aug. 1960

Photogrammetric Office Review ^{of compilation} by (III): W. H. Shearouse

Date: Sept. 1960

Elevations on Manuscript
checked by (II) (III): Inapplicable

Date:

DESCRIPTIVE REPORT - DATA RECORD

Camera (kind or source) (III): **USC&GS Nine-lens**

34

Number	Date	PHOTOGRAPHS (III) Time	Scale	Stage of Tide
57039	11/20/57	11:57	1:10,000	- 0.1

Predicted Tide (III)

Reference Station: **MOBILE, MOBILE RIVER**
Subordinate Station: **BON SECOUR, BON SECOUR RIVER**
Subordinate Station: **(tide computation included with T-10987)**

Ratio of Ranges	Mean Range	Spring Range
Diurnal	1.6	

Washington Office Review by (IV): *Leo F. Beugnot, Atlantic Marine Center* Date: *Feb. 1968*Final Drafting by (IV): *Scribed L.L. Graves*
*Stickup C.C. Harris*Date: *Dec. 1961*
Mar. 1961

Drafting verified for reproduction by (IV):

Date:

Proof Edit by (IV):

Date:

Land Area (Sq. Statute Miles) (III): **3**
Shoreline (More than 200 meters to opposite shore) (III): **5**
~~Shoreline (Less than 200 meters to opposite shore) (III):~~

Control Leveling - Miles (II): **Inapplicable**Number of Triangulation Stations searched for (II): **3**Recovered: **0**Identified: **0**Number of BMs searched for (II): **none**Recovered: **0**Identified: **0**Number of Recoverable Photo Stations established (III): **1**Number of Temporary Photo Hydro Stations established (III): **none**

Remarks:

T-10989

COMPILATION RECORD

COMPLETION DATE

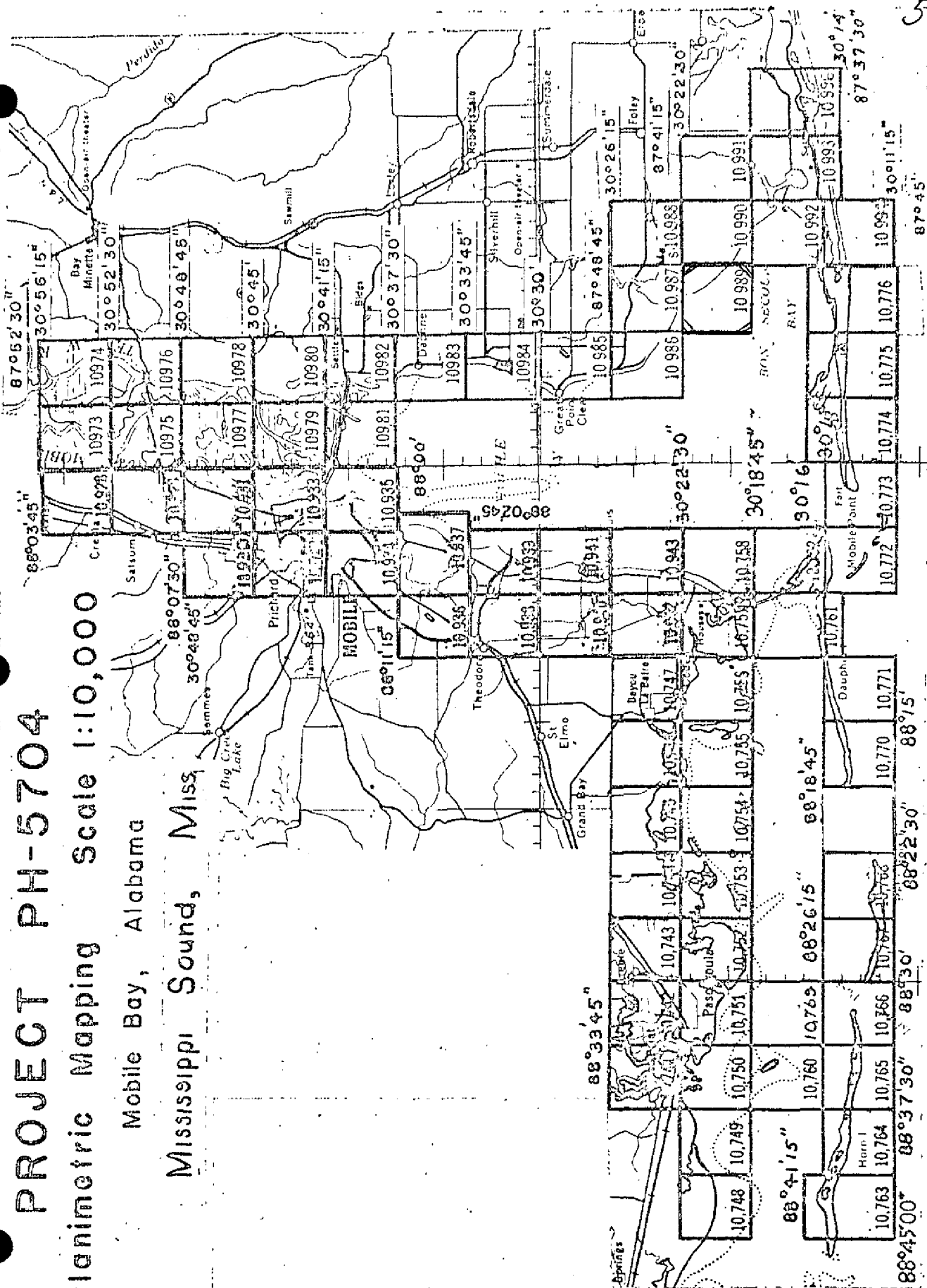
REMARKS

Compiled	September 1960	
Field Edit	July June 1961	
Final Review	February 1968	

Planimetric Mapping Scale 1:10,000

Mobile Bay, Alabama

Mississippi Sound, Miss.



6

SUMMARY TO ACCOMPANY
DESCRIPTIVE REPORT T-10989

Planimetric Survey T-10989 is one of seventy-four similar surveys in Project PH-5704. It covers a part of the northeast shore of Bon Secour Bay in the vicinity of Sunset Shores. The primary purpose of the survey was to provide new shoreline for nautical charts and photo-hydro support data for hydrographic surveys.

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

Compilation was at 1:10,000 scale by graphic methods using the 9-lens photography of November 1957. Cronaflex copies of the manuscript along with ozalid copies and specially prepared photographs were furnished for preparation of the boat sheet, location of photo-hydro signals and field edit purposes.

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

FIELD INSPECTION REPORT
Maps T-10988, T-10989, T-10990
PROJECT PH-5704

1. Aerial Field Inspection.

These maps are located in Southwest Alabama, in Baldwin County, along the east side of Mobile Bay. The land area is low and has large areas consisting of marsh and swamp. The higher ground is devoted to farming with cattle and soy beans being the chief crops.

The area is served with a system of good federal, state and county highways.

Field inspection is believed complete and was performed on the following nine-lens photographs; 57038 through 57042, 57053 through 57056 and 57076 through 57078.

In some areas the photography was of poor quality. The images were not distinct and tones were not consistent. The difference in tones was especially noticeable in some swamp to tree areas. The inconsistent areas were closely inspected in the field and the correct limits have been indicated on the photographs.

2. Horizontal Control.

All control established by this bureau and Alabama Geodetic Survey was searched for and where recovered was identified to aid in control of the plot.

The following Alabama Geodetic Survey stations were searched for:

T-10988

98	242	693
99	243	694
103	544	707
104	545	708
105	546	SMI-G
106	547	SMI-H
107	548	

T-10989

550
551

T-10990

365

The stations were established as third-order by traverse.

The following stations were reported lost:

T-10988

98	106	544	693
99	107	545	694
104	242	547	SMI-G
105	243	548	SMI-H

Foley 1934

T-10989

550
551
WEEKS 1935

T-10990

365
CYPRESS 1935

Station 544, Alabama Geodetic Survey was reported lost but was identified. The reference measurements were made and the butt of a concrete post was found in the described location. This was identified as the station. RM 2 was identified in lieu of station FOLEY 1934.

4. Vertical Control.

The recovery or establishing of vertical control was not required for this planimetric project. There are no Tidal BM'S in these maps.

5. Contours and Drainage.

Contours are inapplicable.

Drainage not self-evident from the photographs has been indicated.

6. Woodland Cover.

Woodland cover was inspected and is adequately covered by the photographs. See Item 2, PP4.

7. Shoreline and Alongshore Features.

The mean high water line and apparent shoreline was inspected by skiff and walking along the beaches. It has been indicated by symbol on the photographs.

Low water line investigation was not required.

There is little or no foreshore.

There are no bluffs or cliffs.

All docks, wharves, piers and other features have been indicated on the photographs.

Shore ends of submarine cables have been indicated on the photographs.

Shoreline inspection has been indicated on the following nine-lens photographs; 57038 through 57042, 57055 through 57057 and 57078.

8. Offshore Features.

The only offshore features are the aids to navigation.

9. Landmarks and Aids.

Form 567 covering both of these features was submitted to Washington on 6 November 1959.

10. Boundaries, Monuments and Lines.

The entire area is in Baldwin County. A copy of the legal description for Baldwin County was submitted in a special report covering Parts 1 and 2 of Project PH-5704.

There are no incorporated towns within these maps.

11. Outer Control.

Recoverable Topographic Station FIRE 1959 was established in map T-10990. Stations GOOD 1959 and HELP 1959 were established in map T-10990.

12. Other Interior Features.

Buildings and roads have been classified, on the photographs, in accordance with Photogrammetric Instructions number 54 and 56.

There were no requests for bridge measurements within these sheets.

There are no airports or landing fields.

13. Geographic Names.

A systematic investigation of names was not required. No discrepancies were encountered during field inspection.

14. Special Reports and Supplemental Data.

Special Report Boundaries, Project PH-5704, Alabama-Mississippi. This report was submitted to Washington on 2 March 1959. Letter of Transmittal #18, 19.

Submitted,

William M. Reynolds
William M. Reynolds
Acting Chief, Photo. Party 720

11 8

PHOTOGRAMMETRIC PLOT REPORT NO. 3

21. AREA COVERED

This plot covers the area bordering the south east part of Mobile Bay and Bon Secour Bay (manuscripts T-10985 through T-10992) and along the Gulf of Mexico from Pine Beach east to Romar Beach (manuscripts T-10993, T-10994 and T-10996).

The sketch on page ³ shows the arrangement of manuscripts, the identified control, index of control, photograph centers and the adjoining manuscripts.

22. METHOD

Radial Plot:

Map Manuscripts: The projections were mylar or vinylite and are 3'45" in latitude and longitude; with the two exceptions of T-10993 and T-10996, which are 4'45" in latitude.

The plot was run on the joined manuscripts.

Photographs: The nine-lens cronapaque photographs taken on 20 November 1957 at a scale 1:10,000 were used to run the plot.

Templets: Vinylite templets were made from nine-lens photographs using master templet 53605 (1956-1957) for correction of transforming errors and distortion.

Closure and adjustment to control: The plot was run from the north to the southeast with conventional methods being used.

All control was held.

Triangulation station POINT CLEAR, GRAND HOTEL WATER TANK 1960 (T-10985) was received after completion of the plot. The triangulation position coincided with the radial plot position.

23. ADEQUACY OF CONTROL

The control was adequate and the identification was good. SEYMOUR 2, 1960 was used in lieu of SEYMOUR 1935. See accompanying letter 3 June 1960 from Chief, Photogrammetry Division.

24. SUPPLEMENTAL DATA

None.

25. PHOTOGRAPHY

The cronapaque nine-lens photographs gave adequate coverage and the quality was good.

None of the photographs were sufficiently tilted to justify special measures.

26. GENERAL

Dates of completion of the photogrammetric plot by maps are as follows:

T-10985	25 May
T-10986	26 May
T-10987	27 May
T-10988	26 July
T-10989	27 July
T-10990	9 August
T-10991	8 August
T-10992	10 August
T-10993	12 August
T-10994	5 August
T-10996	11 August

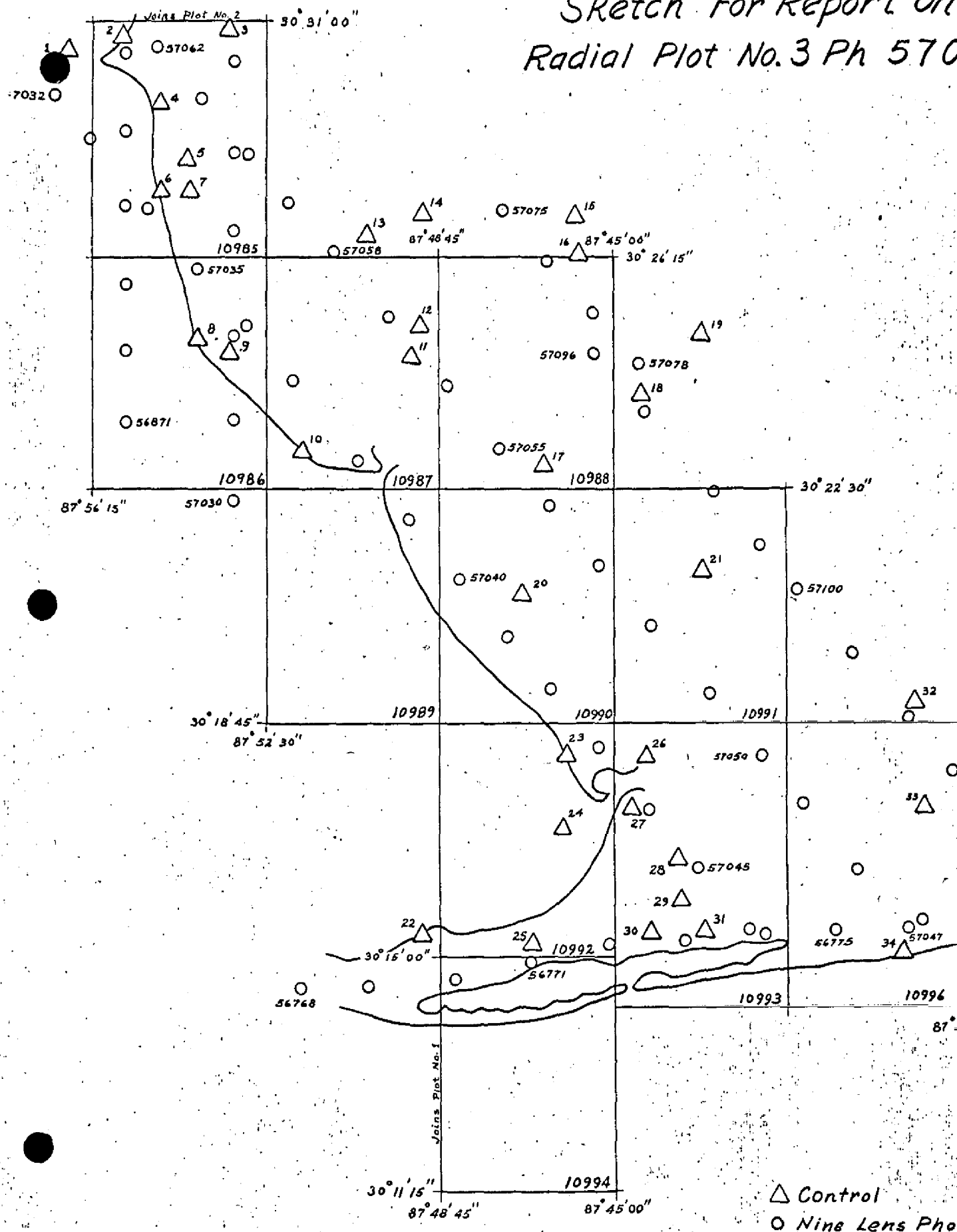
Respectfully submitted,

Robert R. Wagner
Robert R. Wagner
Cartographer (photo)

Approved and Forwarded:

Arthur L. Wardwell
Arthur L. Wardwell
Chief of Party

Sketch For Report On
Radial Plot No. 3 Ph 570



CONTROL STATIONS

1. GREAT POINT CLEAR BEACON, 1935
2. SUB. STATION 87 (ALA. GEOD. SUR.)
3. " " 278 (ALA. GEOD. SUR.)
4. " " 84 (ALA. GEOD. SUR.)
5. " " SMILEY AZIMUTH MARK, 1930
6. " " 83 (ALA. GEOD. SUR.)
7. " " 82 (ALA. GEOD. SUR.)
8. " " MULLET R.M. 1, 1935
9. " " 703 (ALA. GEOD. SUR.)
10. " " MACK, 1934
11. " " YUPON, 1935
12. " " 216 (ALA. GEOD. SUR.)
13. " " 311 (ALA. GEOD. SUR.)
14. " " 310 (ALA. GEOD. SUR.)
15. " " 707 (ALA. GEOD. SUR.) 1941
16. " " 103 (ALA. GEOD. SUR.) 1941
17. " " 546 (ALA. GEOD. SUR.) 1938
18. " " 544 (ALA. GEOD. SUR.) 1938
19. " " FOLEY, R.M. 2, 1934
20. " " BENTON, 1935
21. " " KAISER, 1959
22. " " BANK, 1918-1940
23. " " SKUNK 2, 1953
24. INTRACOASTAL WATERWAY, PENSACOLA - MOBILE LIGHT 152, 1959
25. SUB. STATION SEYMOUR 2, 1959
26. " " WITT, 1934
27. 359 (ALA. GEOD. SUR.) 1936
28. PENSACOLA - MOBILE BEACON NO. 91, 1934
29. SUB. STATION BON, 1934
30. " " SYLVIA, 1934
31. " " 489 (ALA. GEOD. SUR.) 1939
32. " " CLEAR, 1934
33. " " HIGDON, 1934
34. " " MOON R.M. 2, 1934

57104

56777

4' 00"

ph

COMPILATION REPORT

T-10989

~~PHOTOGRAMMETRIC PLOT REPORT~~

~~Submitted with T-10994.~~

31 DELINEATION

The graphic method was used.

The photographs were of fair scale and the clarity of details was good. The field inspection was adequate.

32. CONTROL

See photogrammetric plot report.

33. SUPPLEMENTAL DATA

None.

34. CONTOURS AND DRAINAGE

Contours are inapplicable.

Drainage was delineated by the field inspector but some of it was doubted because it could not be verified by stereoscopic examination. Therefore, only the streams in the dense swamps that were positively identified were shown. Please refer to the letter dated 10 October 1960 on DRAINAGE, Ph-5704, to Chief, Photogrammetry Division, from Tampa District Officer for more information about this.

35. SHORELINE AND ALONGSHORE DETAILS

The shoreline and shoreline details were delineated according to the field inspection. The inspection was adequate. No low-water line or shoals were shown.

36. OFFSHORE DETAILS

None.

15 A

Tampa District Office
P. O. Box 190 Tampa 1 Florida

10 October 1960

To: Chief, Photogrammetry Division
Coast and Geodetic Survey
Washington, D. C.

Subject: Drainage - PH-5704 MOBILE BAY

The greater portion of the drainage in subject project consists of narrow fingers of swamp (500-1500 Ft. wide) with a perennial stream meandering through the swamp. The field inspector has complied with project instructions by delineating this drainage on the field photographs. Due to the density of the swamp trees, it is impossible to see the stream beds except for occasional short stretches.

We have carefully examined all the streams under the stereoscope on various office photographs. Comparison with the U. S. Geological Survey quadrangles indicates their drainage delineation to be more accurate than our field party's delineation. (Reference copy of memorandum to Wilson attached). One sample area has been returned to the field party and our conclusions were verified for that one particular stream.

We do not believe the streams warrant the expense of the field party traversing them for accurate location, neither do we believe that they should be mapped unless their position is fairly accurate. It appears that this drainage has been delineated on the field photographs without an adequate check with U.S.G.S. quadrangles and/or actual field investigation even though considerable time was probably spent on this phase of the field work. Considerable time has also been spent studying these discrepancies in the office.

It is suggested that the field parties be informed of a definite policy on how much time should be spent on accurately locating drainage, omitting it entirely, or using P.D.U.

On this project, since the narrow fingers of swamp indicate the drainage pattern fairly well, and the streams can be identified only in short stretches, we are omitting them as a whole.

Survey T-10938 is being scribed and will be forwarded in approximately four (4) weeks. The foregoing discrepancies will be noted on various field photographs for your attention.

It is thought that bringing this matter to your attention might eliminate similar difficulties in future projects.

(signed) William R. Kachal
EOR, C&GS
Tampa District Officer

WAR/o

37. LANDMARKS AND AIDS

There are no landmarks worthy of charting.

One Aid to Navigation was located. It has been listed on Form 567 and submitted to the Washington Office under date of 15 July 1960.

38. CONTROL FOR FUTURE SURVEYS

One monumented topographic station was established and is listed under Item 49. Form 524 is being submitted. (DESTROYED)

39. JUNCTIONS

Junctions have been made with T-10987 on the north and T-10989 on the east. BON SECOUR BAY lies to the west and south.

40. HORIZONTAL AND VERTICAL ACCURACY

No statement.

46. COMPARISON WITH EXISTING MAPS

Comparison has been made with Army Map Service WEEKS BAY, ALA. quadrangle, scale 1:50,000 copied in 1954 from the 1943 USGS Quadrangle and the USC&GS Planimetric Map T-5528, scale 1:20,000 dated 1934. The comparison was favorable except for the changes due to the passing of time.

47. COMPARISON WITH NAUTICAL CHARTS

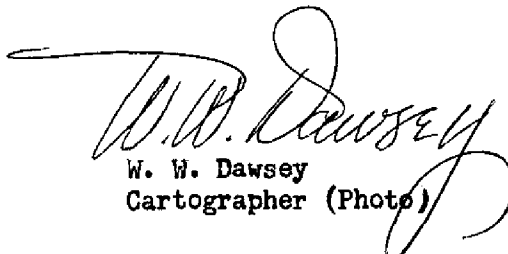
Comparison has been made with Nautical Chart No. 1266, scale 1:80,000, edition of 16 Nov. 1959 and corrected to 23 July 1960. The maps listed under Item 46 were probably in part the source of topography for this chart and the same differences exist.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY


None.

ITEMS TO BE CARRIED FORWARD

None.


W. W. Dawsey
Cartographer (Photo)

Approved and Forwarded:


William R. Kachel
Tampa District Officer

48. GEOGRAPHIC NAME LIST

Geographic names were taken from Army Map Service WEEKS BAY ALA. quadrangle and Nautical Chart 1266. No conflicts were detected.

ALABAMA

BALDWIN COUNTY
BON SECOUR BAY

~~DORGANS LANDING~~

SUNSET SHORES

*OK 12-65
ajw*
see Field Edit Report, Item 55.

Names approved

12-10-65

A. J. Wright

49. NOTES FOR THE HYDROGRAPHER

Topographic Station FIRE 1959 was established. It may be useful to the hydrographer.

FIRE 1959 destroyed 1961 (Reported by Field Editor)

19-13.

50.

PHOTOGRAMMETRIC OFFICE REVIEW
OF ADVANCE COMPILATION MANUSCRIPT
T-10989

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

4a Classification label Unclassified

CONTROL STATIONS

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

ALONGSHORE AREAS

(Nautical Chart Data)

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

PHYSICAL FEATURES

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

CULTURAL FEATURES

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

BOUNDARIES

31. Boundary lines XX 32. Public land lines XX

MISCELLANEOUS

33. Geographic names WHS 34. Junctions WHS 35. Legibility of the manuscript WHS 36. Discrepancy overlay XX 37. Descriptive Report WHS 38. Field inspection photographs WHS 39. Forms WHS 40. W.H. Shearouse

W.H. Shearouse

Reviewer

Supervisor, Review Section or Unit

M.M. Slavney

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.

R.R. Wagner

Compiler

Supervisor M.M. Slavney

43. Remarks:

20 14.

FIELD EDIT REPORT
Maps T-10987, T-10988, T-10989
Project Ph-5704

51. Methods.

Field edit was confined to the shoreline and the area immediately adjacent thereto. The shoreline was traversed by skiff running close to the beach. The features were compared with those indicated on the manuscript and all additions or corrections were noted. These additions or corrections have been noted on the field edit sheet or the field photographs. All field edit information has been indicated in violet. Deletions are in green. The field edit sheets and field photographs have been cross-referenced where applicable.

Field edit information has been indicated on a copy of each map manuscript and field photographs numbered 57037 and 57038.

52. Adequacy of Compilation.

The manuscript, along the shoreline, has been checked visually and will be adequate after application of field edit information.

53. Map Accuracy.

The horizontal accuracy of the manuscripts was not checked.

54. Recommendations.

None are offered.

55. Examination of Proof Copy.

The Geographic Names, in question, in map T-10989 were investigated. The name "Dorgans Landing" appears to be obsolete and is not recommended for charting. According to local information the name existed many years ago but in more recent years the area is being developed under the name "Sunset Shores". This name is recommended for the area. The limits of the area covered by this name have been indicated on the discrepancy print.

SUNSET
SHORES →

The people contacted are as follows; H.E. Cooper, Box 425, Daphne, Alabama, resident of the area for 50 years, Claude Douglas, Plateau, Alabama, resident of the area for 40 years, Harold W. Graham, Registered Engineer, Route 2, Box 120, Fairhope, Alabama, resident of the area for 63 years, Claude W. Arnold, Registered Engineer, Fairhope, Alabama, resident for 30 years. The first two names are of people who own property in the locality. Mr. Graham and Mr. Arnold have done survey work in the area and seem very familiar with the names.

Mr. Graham and Mr. Arnold agreed to examine a proof copy of any map located in Baldwin County. Their addresses are listed above.

Submitted,

William M. Reynolds
William M. Reynolds

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REVIEW REPORT T-10989
PLANIMETRIC
February 21, 1968

61. GENERAL STATEMENT:

See Summary accompanying the Descriptive Report.

62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS:

Comparison was made with a copy of T-5538 compiled at 1:20,000 from aerial photographs taken in July 1934. The mean high water line of the two surveys are in good agreement. Interior changes consist principally of additional roads in the area of Sunset Shores.

A pier shown on T-5538 at latitude $30^{\circ} 22' 17''$, longitude $87^{\circ} 50' 16''$ is not visible on photographs of the area nor is there any evidence of the ruins.

Survey T-10989 supersedes T-5538 for nautical chart construction purposes.

63. COMPARISON WITH MAPS OF OTHER AGENCIES:

Comparison was made with USGS WEEKS BAY, ALA., 1:62,500 scale, 15 minute quadrangle, edition of 1943, reprinted in 1950. The two surveys are in good general agreement. The only change of significance is in the area of Sunset Shores where a new road, a small canal and piers have been constructed subsequent to 1950.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS:

Comparison was made with a copy of boat sheet H-8635 ECFP-10-5-61. The only differences between the two surveys are as follows:

The row of stakes at latitude $30^{\circ} 21' 21''$, longitude $87^{\circ} 49' 54''$ is not visible on photographs of the area.

The piling which surround the wreck at latitude $30^{\circ} 20' 09''$, longitude $87^{\circ} 49' 35''$ are not visible on photographs of the area.

65. COMPARISON WITH NAUTICAL CHARTS:

Comparison was made with 1:80,000 scale Chart 1266, 21st edition, Sept. 25, 1967. The following were noted:

The chart shows only one pier in the vicinity of latitude $30^{\circ} 21' 30''$, longitude $87^{\circ} 50' 00''$.

The canal at latitude $30^{\circ} 21' 24''$, longitude $87^{\circ} 49' 25''$ is not shown on the chart.

The piling which surround the wreck at latitude $30^{\circ} 20' 09''$, longitude $87^{\circ} 49' 35''$ are not visible on the photographs of the area.

66. ADEQUACY OF RESULTS AND FUTURE SURVEYS:

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

There is no comparison print to accompany this report. All discrepancies have been listed in items 64 and 65.

Reviewed by:

Leo F. Beugnet
Leo F. Beugnet

Approved by:

Fol. Al Stark
J. Bull, RADM, USESSA
Director, Atlantic Marine Center

Approved by:

Charles L. Lamm
Photogrammetric Branch, Chief

R. W. Houlston
Photogrammetry Section, Chief
Div.

John D. Brown
Nautical Chart Division, Chief
Marine