

TP-01122

TP-01122

NOAA FORM 76-35 (3-76)	
U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL OCEAN SURVEY	
DESCRIPTIVE REPORT	
This map edition will not be field edit	
Map No. TP-01122	Edition No. 1
Job No. CM-8103	
Map Classification III (Final)	
Type of Survey SHORELINE	
LOCALITY	
State ALABAMA	
General Locality MOBILE BAY	
Locality Choctaw Point to Deer River	
1982 TO 19	
REGISTRY IN ARCHIVES	
DATE	

NOAA FORM 76-36A (3-72)		U. S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMIN.	
DESCRIPTIVE REPORT - DATA RECORD		TYPE OF SURVEY <input type="checkbox"/> ORIGINAL <input type="checkbox"/> RESURVEY <input type="checkbox"/> REVISED	
PHOTOGRAMMETRIC OFFICE Rockville, Md.		SURVEY TP-01122 MAP EDITION NO. (1) MAP CLASS III Final JOB PHXCM-8103	
OFFICER-IN-CHARGE L. W. Fritz		LAST PRECEDING MAP EDITION TYPE OF SURVEY <input type="checkbox"/> ORIGINAL <input type="checkbox"/> RESURVEY <input type="checkbox"/> REVISED JOB PH- MAP CLASS SURVEY DATES: 19__ TO 19__	
I. INSTRUCTIONS DATED			
1. OFFICE		2. FIELD	
Office Jan. 10, 1983 Aerotriangulation July 20, 1982		Field Jan. 12, 1982	
II. DATUMS			
1. HORIZONTAL: <input checked="" type="checkbox"/> 1927 NORTH AMERICAN		OTHER (Specify)	
2. VERTICAL: <input checked="" type="checkbox"/> MEAN HIGH-WATER <input type="checkbox"/> MEAN LOW-WATER <input checked="" type="checkbox"/> MEAN LOWER LOW-WATER <input type="checkbox"/> MEAN SEA LEVEL		OTHER (Specify)	
3. MAP PROJECTION Transverse Mercator		4. GRID(S) STATE Alabama ZONE West	
5. SCALE 1: 20,000		STATE ZONE	
III. HISTORY OF OFFICE OPERATIONS			
OPERATIONS		NAME	
1. AEROTRIANGULATION BY METHOD: Analytic LANDMARKS AND AIDS BY		B. Thornton 9/82	
2. CONTROL AND BRIDGE POINTS PLOTTED BY METHOD: Coradomat CHECKED BY		B. Thornton 9/82 N/A	
3. STEREOSCOPIC INSTRUMENT PLANIMETRY BY COMPILATION CHECKED BY INSTRUMENT: B-8 SCALE: 1:20,000 CONTOURS BY CHECKED BY		C. Heazel 1/83 P. Dempsey 1/83 N/A N/A	
4. MANUSCRIPT DELINEATION PLANIMETRY BY CHECKED BY METHOD: (Smooth Drafted) CONTOURS BY CHECKED BY SCALE: 1:20,000 HYDRO SUPPORT DATA BY CHECKED BY		C. Heazel 2/83 P. Dempsey 3/83 N/A N/A N/A N/A	
5. OFFICE INSPECTION PRIOR TO FIELD EDIT BY		N/A	
6. APPLICATION OF FIELD EDIT DATA BY		N/A	
7. COMPILATION SECTION REVIEW BY		P. Dempsey 4/83	
8. FINAL REVIEW BY		ED. Allen 1/84	
9. DATA FORWARDED TO PHOTOGRAMMETRIC BRANCH BY		ED. Allen 1/84	
10. DATA EXAMINED IN PHOTOGRAMMETRIC BRANCH BY		ED. Allen 1/84	
11. MAP REGISTERED - COASTAL SURVEY SECTION BY		E. DAUGHERTY NOV 1984	

COMPILATION SOURCES

1. COMPILATION PHOTOGRAPHY

CAMERA(S) RC 10"B" Focal Length 152.74mm		TYPES OF PHOTOGRAPHY LEGEND		TIME REFERENCE	
TIDE STAGE REFERENCE		(C) COLOR		ZONE	<input checked="" type="checkbox"/> STANDARD <input type="checkbox"/> DAYLIGHT
<input checked="" type="checkbox"/> PREDICTED TIDES <input type="checkbox"/> REFERENCE STATION RECORDS <input type="checkbox"/> TIDE CONTROLLED PHOTOGRAPHY		(P) PANCHROMATIC (R) INFRARED B&W		Central MERIDIAN 90th	
NUMBER AND TYPE	DATE	TIME	SCALE	STAGE OF TIDE	
82BP4152 thru 4156	3-7-82		1:50,000		
82BP4168 thru 4170	3-7-82		1:50,000		
82BP4191 thru 4193	3-7-82		1:50,000		
82BR4303 thru 4307	3-8-82	1120	1:50,000	-.06 MLLW *	
82BR4328 thru 4332	3-8-82	1148	1:50,000	-.01 MLLW *	

REMARKS

* Predicted tides photography (Mobile Bay Ref. Sta.)

2. SOURCE OF MEAN HIGH-WATER LINE:

The source of the mean high water line is the panchromatic photographs listed in Item 1 above.

3. SOURCE OF MEAN LOW-WATER OR MEAN LOWER LOW-WATER LINE:

The source of the mean lower-low water line is the infrared photographs listed in Item 1 above.

4. CONTEMPORARY HYDROGRAPHIC SURVEYS (List only those surveys that are sources for photogrammetric survey information.)

SURVEY NUMBER	DATE(S)	SURVEY COPY USED	SURVEY NUMBER	DATE(S)	SURVEY COPY USED

5. FINAL JUNCTIONS

NORTH	EAST	SOUTH	WEST
TP-01121	TP-01123	TP-01124	N/A

REMARKS

NOAA FORM 76-36C
(3-72)U. S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEY

HISTORY OF FIELD OPERATIONS

I. ☒ FIELD INVESTIGATION OPERATION☐ FIELD EDIT OPERATION

OPERATION	NAME	DATE
1. CHIEF OF FIELD PARTY	R. S. Tibbetts	4/82
2. HORIZONTAL CONTROL	RECOVERED BY R. S. Tibbetts	4/82
	ESTABLISHED BY R. S. Tibbetts	4/82
	PRE-MARKED OR IDENTIFIED BY R. S. Tibbetts	4/82
3. VERTICAL CONTROL	RECOVERED BY N/A	
	ESTABLISHED BY N/A	
	PRE-MARKED OR IDENTIFIED BY N/A	
4. LANDMARKS AND AIDS TO NAVIGATION	RECOVERED (Triangulation Stations) BY N/A	
	LOCATED (Field Methods) BY N/A	
	IDENTIFIED BY N/A	
5. GEOGRAPHIC NAMES INVESTIGATION	TYPE OF INVESTIGATION <input type="checkbox"/> COMPLETE BY <input type="checkbox"/> SPECIFIC NAMES ONLY <input checked="" type="checkbox"/> NO INVESTIGATION	
6. PHOTO INSPECTION	CLARIFICATION OF DETAILS BY N/A	
7. BOUNDARIES AND LIMITS	SURVEYED OR IDENTIFIED BY N/A	

II. SOURCE DATA

1. HORIZONTAL CONTROL IDENTIFIED
Photoidentified2. VERTICAL CONTROL IDENTIFIED
N/A

PHOTO NUMBER	STATION NAME	PHOTO NUMBER	STATION DESIGNATION
82BP 4153	Hagen, 1935 Sub Stations A & B		

3. PHOTO NUMBERS (Clarification of details)

N/A

4. LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED

N/A

PHOTO NUMBER	OBJECT NAME	PHOTO NUMBER	OBJECT NAME

5. GEOGRAPHIC NAMES: ☐ REPORT ☒ NONE6. BOUNDARY AND LIMITS: ☐ REPORT ☐ NONE

7. SUPPLEMENTAL MAPS AND PLANS

N/A

8. OTHER FIELD RECORDS (Sketch books, etc. DO NOT list data submitted to the Geodesy Division)

One CSI Form C&GS-152 and sketch for stations listed above contained in a field data folder.

Field notebook containing: Horizontal abstracts/computations, sketches, and NOAA Forms 76-53. NOAA Form 76-52, NOAA Form 252

JOB CM-8103
MOBILE BAY, ALABAMA
SHORELINE MAPPING
SCALE 1:20,000

Tide Station Sites

- 1 - MOBILE(Ref Sta)
- 2 - Lower Hall Landing(Sub Sta)
- 3 - Great Point Clear(Sub Sta)
- 4 - Fowl River(Sub Sta)
- 5 - Fort Gaines(Sub Sta)

SUMMARY TO ACCOMPANY DESCRIPTIVE REPORT
TP-01122

This 1:20,000-scale shoreline map is in project CM-8103. The area covers part of the shoreline of Mobile Bay, Alabama.

The purpose of this survey is to provide a contemporary shoreline necessary for charting.

Field operations consisted of aerial photography and the recovery, establishment, and photoidentification of horizontal control necessary for aerotriangulation. There was no field inspection performed.

Panchromatic and black and white infrared photographs were obtained in March 1982. Photographs were exposed with the Wild-RC-10(B) camera at 1:50,000-scale. The panchromatic photographs were taken for aerotriangulation and base compilation, the infrared photographs for MLLW delineation. Infrared photography was based on predicted tides.

Six strips of panchromatic photographs were bridged using analytic aerotriangulation methods. Geodetic control used was field photoidentified, supplemented by office identified intersection stations as checkpoints. Elevations from U. S. Geological Survey quadrangles were used to provide vertical control for strip adjustments. Aerotriangulated control meets the requirements of National Standards for Map Accuracy.

Tidal stages concurrent with photography were determined based on predicted tides.

Compilation was performed by Coastal Mapping Unit, Rockville, Maryland. This map delineation was based on office interpretation of 1:50,000-scale photographs. All line work is smooth drafting.

Final review was performed by Quality Control Unit (Rockville). This map meets the requirements of the National Standards for Map Accuracy.

PROJECT REPORT

CM-8103

MOBILE BAY, ALABAMA

The Project was performed in accordance with Project Instructions from OA/C3 - Roger F. Lanier, dated 12 January, 1982.

Two substitute stations for each of ten circled areas were Photoidentified on 1:50,000 scale Aerotriangulation Photography. All Photoidentified points were positioned by using existing control. The lack of adequate V.G. Azimuth Control dictated the implementation of Solar Azimuths at six of the ten circled areas. Ground photographs of each of the photo points have been furnished to aid the Photogrammetrist in verifying the location of the photo points.

Field work for this Project was accomplished during the period from 3/25/82 to 4/20/82 excluding travel time to and from the Project area.

All data and records were forwarded to OA/C3415.

Submitted by:

for Frank B. Tibbetts

Robert S. Tibbetts

CM-8103
Photogrammetric Plot Report
Mobile Bay, Alabama

September 1982

21. Area Covered

The area covered by this project is the shoreline of Mobile Bay, Alabama. The project area is covered by 5, 1:20,000 scale sheets, TP-01121 to TP-01125.

22. Method

Six strips of 1:50,000 scale photographs were bridged by analytical aerotriangulation methods. Control was field identified with additional office identified intersection stations used for check control. Tie points were used to ensure a good fit between parallel flight lines and also to use as control in areas where field control was sparse. The bridging photographs along with the MLLW, black-and-white infrared photographs were ratio for compilation. The Transverse Mercator, Alabama, West Zone coordinate system was used to adjust the bridging strips, and was used to plot the project manuscripts.

23. Adequacy of Control

Station #94 Fairhope, Municipal Water Tank was deleted from the Master Data Deck and not plotted on the manuscripts. Although the station was recovered for the project, the station has been destroyed. The concrete leg supports that held the tank are still intact and were bisected to obtain positions for this job.

All control checked well within National Standards of Map Accuracy and is more than sufficient for the job. A copy of the Fit to Control is attached to this report.


24. Supplemental Data

USGS quadrangles were used to provide vertical control for strip adjustments.

25. Photography

The coverage, overlap, and quality of the 1982 B(P) photographs were adequate for the job.

Approved and Forwarded:

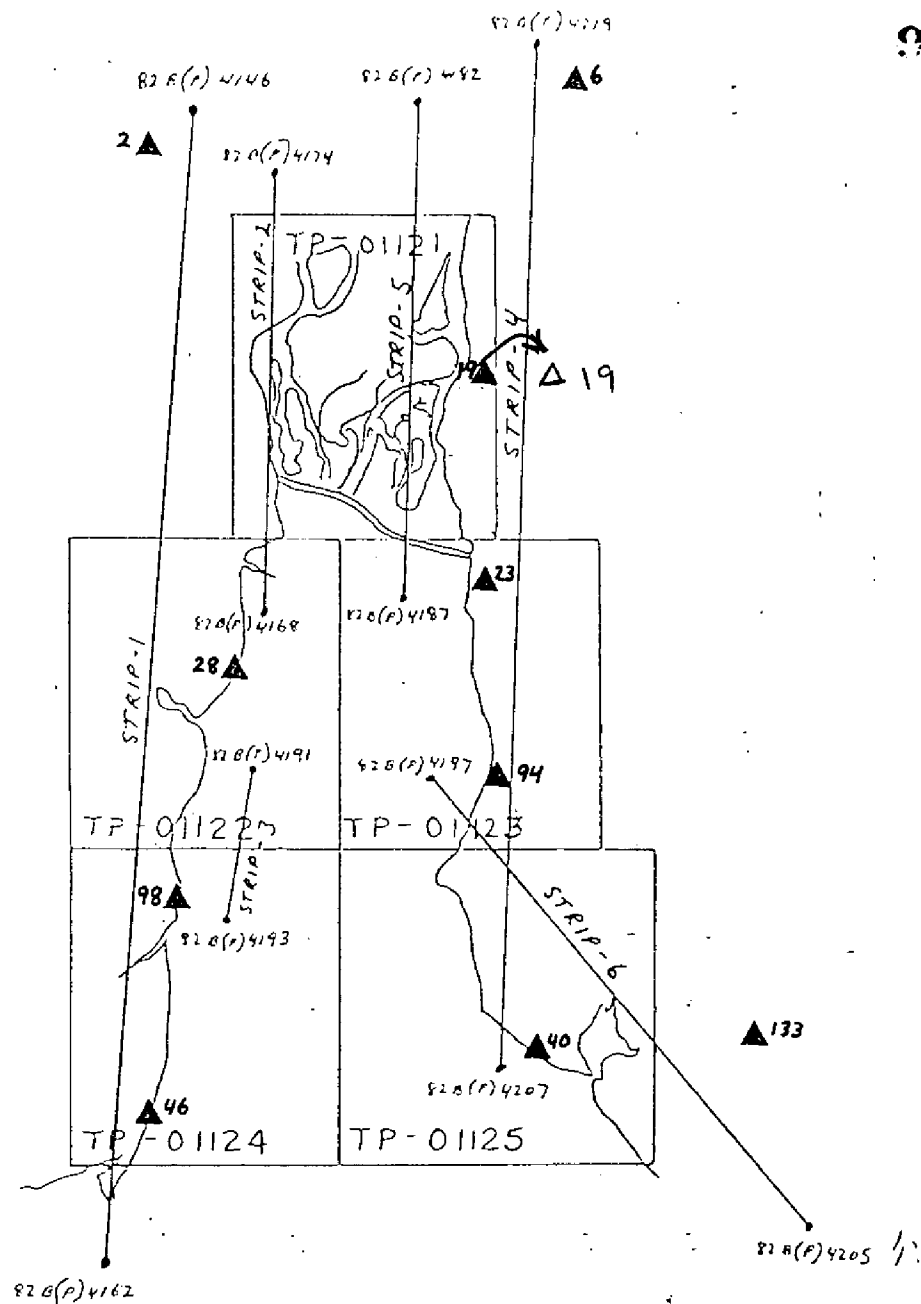


Don O. Norman
Chief, Aerotriangulation Section

Submitted by:



Brian Thornton
Cartographer



JOB CM-8103
MOBILE BAY, ALABAMA
BRIDGING PHOTOGRAPHS

1:50,000 SCALE
MANUSCRIPT SCALE 1:20,000

KEY TO NUMBERED INDEX

- 2 - 147101, 147102 (SILO, 1942)
- 28 - 153101, 153102 (HAGEN, 1935)
- 98 - 156101, 156102 (Fowl Rm 4, 1935)
- 46 - 159101, 159102 (Mow Lewis, 1930)
- 133 - 202101, 202102 (KAISER, 1959)
- 40 - 207101, 207102 (MACK, 1934)
- 94 - 210101, 210102 (FAIR Hope Muni. Water Tank, 1938)
- 23 - 213101, 213102 (NO 263 ALGS, 1938)
- 19 - 216101, 216102 (DIXON, 1935)
- 6 - 219101, 219102 (MINEFFE, 1897)

CM-8103

Mobile Bay, Alabama

Fit to Control

(in feet)

▲ Stations held in adjustment

<u>Strip 1</u>		<u>Point No.</u>	<u>X</u>	<u>Y</u>
▲ 2 Silo, 1942	Sub. pt. 1	147101	-0.290	0.946
	Sub. pt. 2	147102	1.009	0.922
15 Chickasan Tank, 1935		150115	-1.877	-5.897
57 Mobile, State Docks, North Tank, 1935		151157	-1.677	-4.432
58 Mobile State Docks South Tank, 1935		151158	-4.879	-0.790
60 Mobile, Railroad Station Cupola, 1935		151160	0.079	-0.017
▲ 28 Hagen, 1935	Sub. pt. 1	153101	0.305	2.835
	Sub. pt. 2	153102	1.356	5.722
84 Theodore, U.S. Army Terminal Wt. Tank, 1960		155184	-1.317	-2.841
▲ 98 Fowl Rm 4, 1935	Sub. pt. 1	156101	-0.741	-3.064
	Sub. pt. 2	156102	0.061	-2.746
▲ 46 Mon Louis, 1930	Sub. pt. 1	159101	1.100	-0.341
	Sub. pt. 2	159102	0.089	0.718
156 Pass Aux Herons Range D Rear Light, 1958		161156	-1.038	1.003
159 Dauphin Island Water Tank, 1958		162159	0.028	-0.186

▲ Stations held in adjustment

<u>Strip 2</u>	<u>Point No.</u>	<u>X</u>	<u>Y</u>
▲ Tie from Strip 1	168801	1.185	-0.664
▲ Tie from Strip 1	168802	0.497	1.984
▲ Tie from Strip 1	169801	0.034	0.213
▲ Tie from Strip 1	169802	-1.642	-2.813
58 Mobile, State Docks South Tank, 1935	151158	-6.295	-2.960
▲ Tie from Strip 1	170801	-0.992	-0.381
▲ Tie from Strip 1	170802	-0.969	0.734
15 Chickasaw Tank, 1935	150115	-2.207	-3.125
▲ Tie from Strip 1	171801	1.784	0.733
▲ Tie from Strip 1	171802	0.424	0.028
▲ Tie from Strip 1	172801	0.619	-0.290
▲ Tie from Strip 1	172802	-0.073	0.851
▲ Tie from Strip 1	173801	-1.518	-0.681
▲ Tie from Strip 1	173802	0.650	0.285

▲ Stations held in adjustment

<u>Strip 3</u>		<u>Point No.</u>	<u>X</u>	<u>Y</u>
84 Theodore, U.S. Army Terminal, Water Tank, 1960		155184	4.617	-3.059
▲ Tie from Strip 1		191801	0.424	-0.352
▲ Tie from Strip 1		191802	-0.422	-0.795
▲ Tie from Strip 1		192801	-0.410	0.725
▲ Tie from Strip 1		192802	0.436	0.353
▲ Tie from Strip 1		192803	0.745	-1.165
▲ Tie from Strip 1		192804	0.594	0.901
▲ Tie from Strip 1		192805	-0.843	-0.332
▲ Tie from Strip 1		192806	-0.522	0.667
<u>Strip 4</u>				
▲ 40 Mack, 1934	Sub. pt. 1	207101	-1.132	-0.169
▲	Sub. pt. 2	207102	-0.159	-1.513
▲ 94 Fair Hope Muni	Sub. pt. 1	210101	1.456	0.736
▲ Water Tank, 1938	Sub. pt. 2	210102	2.584	1.453
24 Daphne, Municipal Tank, 1960		212124	6.240	1.841
73 Daphne, Lake Forest Sub. Div., Tank 1960		213100	1.846	2.331
▲ 23 No 263 ALGS 1938	Sub. pt. 1	213101	-2.287	1.456
	Sub. pt. 2	213102	0.731	-3.459
▲ 19 Dixon, 1935	Sub. pt. 1	216101	-1.101	-0.724
▲	Sub. pt. 2	216102	-0.932	-2.271
▲ 6 Minette, 1897	Sub. pt. 1	219101	2.080	-1.303
▲	Sub. pt. 2	219102	-0.511	1.980
<u>Strip 5</u>				
Tie from Strip 2		174801	0.441	1.311
▲ Tie from Strip 2		174802	3.188	2.310
Tie from Strip 4		182801	-2.791	-0.047
▲ Tie from Strip 4		182802	-4.006	0.581

Strip 5 Continued

Tie from Strip 4	183801	-0.861	1.140	
Tie from Strip 4	183802	-1.055	1.063	
Tie from Strip 2	172804	1.344	-0.575	
▲ Tie from Strip 2	172805	0.311	-1.561	
Tie from Strip 2	172806	0.738	-1.685	
Tie from Strip 2	173803	-0.153	0.233	
Tie from Strip 2	173804	1.519	-0.595	
▲ Tie from Strip 4	184801	3.391	0.092	
Tie from Strip 4	184802	2.715	0.387	
Tie from Strip 2	172803	1.641	0.781	
Tie from Strip 4	185801	0.144	1.822	
▲ Tie from Strip 4	185802	1.908	1.419	
19 Dixon, 1935	Sub. pt. 1	216101	-0.100	-0.207
	Sub. pt. 2	216102	-1.790	-0.243
Tie from Strip 2	171803	-1.682	0.196	
▲ Tie from Strip 2	171804	3.395	0.572	
Tie from Strip 2	171805	2.341	1.058	
Tie from Strip 4	186801	-3.688	1.422	
▲ Tie from Strip 4	186802	-4.914	2.093	
Tie from Strip 2	170803	-1.839	-5.640	
▲ Tie from Strip 2	170804	0.863	-6.079	
▲ Tie from Strip 4	187801	-4.138	0.567	
Tie from Strip 4	187802	-3.387	0.433	

Strip 6

33 Point Clear, Grant	197133	-0.332	0.546
Hotel, Water Tank, 1960			
80 Great Pt. Clear Beacon, 1934	197180	-2.160	1.081

Strip 6 Continued

▲ 94 Fair Hope Muni				
Water Tank, 1938	Sub. pt. 1	210101	1.476	0.022
	Sub. pt. 2	210102	3.005	0.528
Tie from Strip 4		198801	-2.930	0.473
▲ Tie from Strip 4		198802	-2.314	0.699
▲ 40 Mack, 1934	Sub. pt. 1	207101	0.921	-1.948
▲ 133 Kaiser, 1959	Sub. pt. 1	202101	0.963	1.262
	Sub. pt. 2	202102	2.632	1.145
▲ Sylvia, 1934		650100	-1.045	-0.035

Ratio values for the 1982 B(P) bridging photographs

82B(P) 4146 to 4162	Ratio	2.515
4168 to 4174	X	2.501
4182 to 4187	X	2.509
4191 to 4193	X	2.512
4197 to 4205	X	2.601
4207 to 4219	X	2.511

Ratio values for the 1982 B(P) MLLW photographs

82B(R) 4263 to 4268	Ratio	2.529
4277 to 4283	X	2.504
4296 to 4301	X	2.517
4303 to 4311	X	2.520
4328 to 4337	X	2.527

Compilation Report

TP-01122

31. Delineation

Delineation of all map detail, but the MLLW line was compiled from 1:50,000 scale photographs using the Wild B-8 stereoplotter. The MLLW line was delineated graphically using MLLW infrared tide-coordinated photography.

32. Control

See Photogrammetric Plot Report for horizontal control. Vertical control was taken from USGS quadrangles.

33. Supplemental Data - None34. Contours and Drainage

Drainage was delineated using the Wild B-8 stereoplotter. Contours do not apply to this job.

35. Shoreline and Alongshore Detail

Shoreline and alongshore details were delineated from office interpretation of the photographs. Some details were omitted as being too small to plot at this scale. There was no field inspection prior to compilation.

36. Offshore Details

There are three major changes in the offshore detail on this map. A large island has appeared at 30° 30' 00" latitude and 88° 02' 00" longitude. This island appears on both TP-01122 and TP-01124. Another island charted near the Theodor Ship Channel Light 15 is not visible. The spoil area west of the Mobile Ship Channel has changed its configuration as charted.

37. Landmarks and Aids

Three charted landmarks and 22 lights were verified. One landmark and 7 lights were located by Aerotriangulation Unit. The aero beacon at 30° 39' and 88° 04' was not visible. The tank it was mounted on was plotted by aerotriangulation. The stack at 30° 32' and 88° 07' may no longer be of landmark value due to more predominate new structures nearby. Mobile Channel Middle Reach Range Front Light differs from its previously charted position.

38. Control for Future Surveys

None

39. Junctions

See NOAA Form 76-36B

40. Horizontal and Vertical Accuracy

No statement.

41. Map Features of Possible Landmark Value

Six map features of possible landmark value were located during compilation. For the identification and geographic position of these features refer to the listing (PLM's) bound with this Descriptive Report.

42-45 - Not applicable.

46. Comparison with Existing Maps

Comparison was made with U.S. Army Corps of Engineers quadrangle:

Mobile, Ala., 1940, 1:62,500 scale

47. Comparison with Nautical Charts

Comparison was made with chart 11376, 36th Edition, October 16, 1982, 1:80,000 scale.

Items to be Applied to Nautical Charts Immediately are as follows:

Refer to Item 36. Middle Reach Range Front Light differs from the charted position.

Submitted by:



C. Heazel

Approved and Forwarded:



Robert W. Rodkey, Jr.
Chief, Coastal Mapping Unit

REVIEW REPORT
SHORELINE SURVEY
TP-01122

61. Topographic map TP-01122 is one of five maps in project CM-8103 and is in the west center part of the project. It covers part of the shore in Mobile Bay, Alabama. The map was compiled at scale of 1:20,000. Refer to Summary bound with this Descriptive Report.
62. Comparison with Registered Topographic Surveys - None
63. Comparison with Maps of Other Agencies

Comparison was made with:

Mobile, Ala. 1940, 1:62,500 scale, U.S. Army Corps of Engineers quad.
Mobile, Ala. 1938 (Photorevised 1974) 1:24,000 Scale, USGS quad.

64. Comparison with Contemporary Hydrographic Surveys - None
65. Comparison with Nautical Charts

Comparison was made with Chart 11376, 36th Edition, October 16, 1982, 1:80,000 scale.

66. Adequacy of Results and Future Surveys

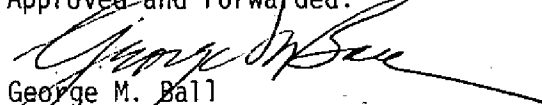
This map complies with the project instructions and meets the National Map Accuracy Standards.

Submitted by:



Edward D. Allen

Approved and Forwarded:



George M. Ball
Chief, Photogrammetric Section



Ronald K. Brewer
Chief, Photogrammetry Branch

12-8-83

GEOGRAPHIC NAMES

FINAL NAME SHEET

CM-8103 (Mobile Bay, Alabama)

TP-01122

Alligator Bayou	Little Sand Island
Brookley Airport	McDuffie Island
Choctaw Point	Middle Fork Deer River
Deer River	Mobile Bay
Deer River Point	Moore Creek
Dog River	North Fork Deer River
Dog River Point	Perch Creek
Gaillard Island	Rabbit Creek
Garrows Bend	Robinson Bayou
Halls Mill Creek	Seaboard System (RR)
Hollingers Island	South Fork Deer River
Hollingers Island (locality)	

Approved

Charles E. Harrington

Charles E. Harrington
Chief Geographer
Nautical Charting Division

DISSEMINATION OF PROJECT MATERIAL
CM-8103
MOBILE BAY, ALABAMA

National Archives/Federal Records Center

Job Completion Report

Brown Jacket:

Photogrammetric Plot Report Copy
Computer Listings
Tide Data
Field Control Reports
NOAA Form 76-53 (Control Identification Cards)
NOAA Form 76-161 (Field Computation of Triangulation)
NOAA Form 76-41

Bureau Archives

Registered Map

Descriptive Report

Reproduction Division

8X Reduction Negative of the Map

Office of Staff Geographer

Geographic Names Standard

NOAA FORM 76-40 (8-74) Replaces C&GS Form 567.				U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION				NONFLOATING AIDS OR LANDMARKS FOR CHARTS				ORIGINATING ACTIVITY			
<input type="checkbox"/> TO BE CHARTED <input checked="" type="checkbox"/> TO BE REVISED <input type="checkbox"/> TO BE DELETED		REPORTING UNIT (Field Party, Ship or Office) Coastal Mapping Rockville, Md.		STATE	LOCALITY	DATE	<input type="checkbox"/> HYDROGRAPHIC PARTY <input type="checkbox"/> GEODETIC PARTY <input type="checkbox"/> PHOTO FIELD PARTY <input checked="" type="checkbox"/> COMPILATION ACTIVITY <input type="checkbox"/> FINAL REVIEWER <input type="checkbox"/> QUALITY CONTROL & REVIEW GRP. <input type="checkbox"/> COAST PILOT BRANCH (See reverse for responsible personnel)								
OPR PROJECT NO.		JOB NUMBER		SURVEY NUMBER		DATUM		METHOD AND DATE OF LOCATION (See instructions on reverse side)				CHARTS AFFECTED			
		CM-8103		TP-01122		N.A. 1927									
CHARTING NAME		DESCRIPTION (Record reason for deletion of landmark or aid to navigation. Show triangulation station names, where applicable, in parentheses)		LATITUDE		LONGITUDE		OFFICE		Position Quality					
				° / ' " D.M. Meters		° / ' " D.P. Meters									
-LT 76				30 37	46.13	88 01	52.73	82B(P) 4168 3/7/82	Manually Digitized		11376				
-RGE F LT				30 37	44.66	88 02	02.42	"	Aerotriangulated		"				
-RGE R LT				30 38	39.38	88 02	10.72	82B(P) 4169 3/7/82	Manually Digitized		"				
-LT 78				30 38	28.49	88 01	52.01	"			"				
-LT 82				30 39	13.09	88 01	47.75	"			"				
-LT 9				30 30	09.27	88 03	34.90	82B(P) 4192 3/7/82			"				
-LT 10				30 30	15.75	88 03	30.87	"			"				
-LT 13				30 30	52.60	88 04	52.69	82B(P) 4155			"				

THEODORE SHIP CHANNEL

MOBILE CHANNEL

RESPONSIBLE PERSONNEL	
TYPE OF ACTION	NAME
OBJECTS INSPECTED FROM SEAWARD	
POSITIONS DETERMINED AND/OR VERIFIED	<input type="checkbox"/> PHOTO FIELD PARTY <input type="checkbox"/> HYDROGRAPHIC PARTY <input type="checkbox"/> GEODETIC PARTY <input type="checkbox"/> OTHER (Specify)
FORMS ORIGINATED BY QUALITY CONTROL AND REVIEW GROUP AND FINAL REVIEW ACTIVITIES	FIELD ACTIVITY REPRESENTATIVE OFFICE ACTIVITY REPRESENTATIVE <input type="checkbox"/> REVIEWER <input type="checkbox"/> QUALITY CONTROL AND REVIEW GROUP REPRESENTATIVE
INSTRUCTIONS FOR ENTRIES UNDER 'METHOD AND DATE OF LOCATION'	
(Consult Photogrammetric Instructions No. 64.)	
OFFICE I. OFFICE IDENTIFIED AND LOCATED OBJECTS Enter the number and date (including month, day, and year) of the photograph used to identify and locate the object. EXAMPLE: 75E(C)6042 8-12-75	FIELD (Cont'd) B. Photogrammetric field positions** require entry of method of location or verification, date of field work and number of the photograph used to locate or identify the object. EXAMPLE: P-8-V 8-12-75 74L(C)2982
FIELD I. NEW POSITION DETERMINED OR VERIFIED Enter the applicable data by symbols as follows: F - Field L - Located V - Verified 1 - Triangulation 2 - Traverse 3 - Intersection 4 - Resection P - Photogrammetric Vis - Visually 5 - Field Identified 6 - Theodolite 7 - Planetable 8 - Sextant A. Field positions* require entry of method of location and date of field work. EXAMPLE: F-2-6-L 8-12-75	III. POSITION VERIFIED VISUALLY ON PHOTOGRAPH Enter 'V-Vis.' and date. EXAMPLE: V-Vis. 8-12-75 **PHOTOGRAMMETRIC FIELD POSITIONS are dependent entirely, or in part, upon control established by photogrammetric methods.
*FIELD POSITIONS are determined by field observations based entirely upon ground survey methods.	

NOAA FORM 76-40 (8-74) Replaces C&GS Form 567.				U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION				ORIGINATING ACTIVITY	
NONFLOATING AIDS TO NAVIGATION FOR CHARTS				STATE		LOCALITY		DATE	
REPORTING UNIT (Field Party, Ship or Office)		STATE		LOCALITY		DATE			
COASTAL MAPPING Rockville, Md.		Alabama		Mobile Bay		1/83			
TO BE CHARTED <input checked="" type="checkbox"/> TO BE REVISED <input type="checkbox"/> TO BE DELETED		HAVE <input type="checkbox"/> HAVE NOT <input checked="" type="checkbox"/>		SURVEY NUMBER		DATUM			
OPR PROJECT NO.		JOB NUMBER		TP-01122					
CHARTING NAME		DESCRIPTION (Record reason for deletion of landmark or aid to navigation. Show triangulation station names, where applicable, in parentheses)		POSITION		METHOD AND DATE OF LOCATION (See instructions on reverse side)		CHARTS AFFECTED	
-LT 14			THEODORE SHIP CHANNEL						
-LT 16				30 30	59.58	88 04	47.66	82B(P)4155 3/7/82	11376
				30 31	17.33	88 05	18.05	"	"
-LT 13			HOLLINGERS ISLAND CHANNEL						
-LT 14				30 31	25.86	88 04	06.48	82B(P)4192 3/7/82	"
				30 31	30.13	88 04	04.48	"	"
-LT 17				30 31	24.37	88 05	03.52	"	"
-LT 18				30 31	29.23	88 05	04.58	"	"
			DOG RIVER						
-LT 1				30 33	57.42	88 04	35.38	82B(P)4154 3/7/82	"

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POSITIONS DETERMINED AND/OR VERIFIED	FIELD ACTIVITY REPRESENTATIVE
FORMS ORIGINATED BY QUALITY CONTROL AND REVIEW GROUP AND FINAL REVIEW ACTIVITIES	OFFICE ACTIVITY REPRESENTATIVE <input type="checkbox"/> REVIEWER <input type="checkbox"/> QUALITY CONTROL AND REVIEW GROUP REPRESENTATIVE
INSTRUCTIONS FOR ENTRIES UNDER 'METHOD AND DATE OF LOCATION'	
(Consult Photogrammetric Instructions No. 64.)	
OFFICE I. OFFICE IDENTIFIED AND LOCATED OBJECTS Enter the number and date (including month, day, and year) of the photograph used to identify and locate the object. EXAMPLE: 75E(C)6042 8-12-75	FIELD (Cont'd) B. Photogrammetric field positions** require entry of method of location or verification, date of field work and number of the photograph used to locate or identify the object. EXAMPLE: P-8-V 8-12-75 74L(C)2982
FIELD I. NEW POSITION DETERMINED OR VERIFIED Enter the applicable data by symbols as follows: F - Field L - Located V - Verified 1 - Triangulation 2 - Traverse 3 - Intersection 4 - Resection P - Photogrammetric Vis - Visually 5 - Field identified 6 - Theodolite 7 - Planetable 8 - Sextant A. Field positions* require entry of method of location and date of field work. EXAMPLE: F-2-6-L 8-12-75	II. TRIANGULATION STATION RECOVERED When a landmark or aid which is also a triangulation station is recovered, enter 'Triang. Rec.' with date of recovery. EXAMPLE: Triang. Rec. 8-12-75 III. POSITION VERIFIED VISUALLY ON PHOTOGRAPH Enter 'V-Vis.' and date. EXAMPLE: V-Vis. 8-12-75 **PHOTOGRAMMETRIC FIELD POSITIONS are dependent entirely, or in part, upon control established by photogrammetric methods.
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NOAA FORM 76-40 (6-74) Replaces C&GS Form 567.				U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION				NONFLOATING AIDS OR LANDMARKS FOR CHARTS				ORIGINATING ACTIVITY			
TO BE CHARTED <input checked="" type="checkbox"/> TO BE REVISED <input type="checkbox"/> TO BE DELETED		REPORTING UNIT (Field Party, Ship or Office)	STATE	LOCALITY	DATE	DATE		DATE		DATE		DATE		DATE	
		Coastal Mapping Rockville, Md.	Alabama	Mobile Bay	1/83										
The following objects HAVE <input type="checkbox"/> HAVE NOT <input checked="" type="checkbox"/> been inspected from seaward to determine their value as landmarks.		SURVEY NUMBER		DATUM		POSITION		METHOD AND DATE OF LOCATION (See instructions on reverse side)		CHARTS AFFECTED					
OPR PROJECT NO.		JOS NUMBER	TP-01122	N.A. 1927		LATITUDE		LONGITUDE		OFFICE		Position Quality			
				° / ' " D.M. Meters		° / ' " D.P. Meters									
-LT 5		DOG RIVER		52.61	88 05	06.08		82B(P)4154	Aerotriangulated	11376					
-LT 3		ARLINGTON CHANNEL		31.68	88 02	08.12		82B(P)4169	Manually	11376					
-LT 5				41.78	88 02	41.12		3/7/82	Digitized	"					
-LT 7				52.69	88 03	16.60		"	Aerotriangulated	"					
-LT 10				04.75	88 03	20.95		"	"	"					
-RGE F LT		-Range Front Light		59.64	88 03	33.46		"	"	"					
-RGE R LT		-Range Rear Light		02.42	88 03	42.82		"	Manually Digitized	"					

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OFFICE 1. OFFICE IDENTIFIED AND LOCATED OBJECTS Enter the number and date (including month, day, and year) of the photograph used to identify and locate the object. EXAMPLE: 75E(C)6042 8-12-75	FIELD (Cont'd) 8. Photogrammetric field positions** require entry of method of location, or verification, date of field work and number of the photograph used to locate or identify the object. EXAMPLE: P-8-V 8-12-75 74L(C)2982
FIELD 1. NEW POSITION DETERMINED OR VERIFIED Enter the applicable data by symbols as follows: F - Field L - Located V - Verified 1 - Triangulation 2 - Traverse 3 - Intersection 4 - Resection P - Photogrammetric Vis - Visually 5 - Field identified 6 - Theodolite 7 - Planetable 8 - Sextant A. Field positions* require entry of method of location and date of field work. EXAMPLE: F-2-6-L 8-12-75	11. TRIANGULATION STATION RECOVERED When a landmark or aid which is also a triangulation station is recovered, enter 'Triang. Rec.' with date of recovery. EXAMPLE: Triang. Rec. 8-12-75 111. POSITION VERIFIED VISUALLY ON PHOTOGRAPH Enter 'V-Vis.' and date. EXAMPLE: V-Vis. 8-12-75 **PHOTOGRAMMETRIC FIELD POSITIONS are dependent entirely, or in part, upon control established by photogrammetric methods.
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FORMS ORIGINATED BY QUALITY CONTROL AND REVIEW GROUP AND FINAL REVIEW ACTIVITIES	<input type="checkbox"/> OFFICE ACTIVITY REPRESENTATIVE <input type="checkbox"/> REVIEWER <input type="checkbox"/> QUALITY CONTROL AND REVIEW GROUP REPRESENTATIVE
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10/83

MAP FEATURES OF POSSIBLE LANDMARK VALUE

MAP NO.	JOB NO.	GEOGRAPHIC AREA	GEODETTIC DATUM	ORIGINATING ACTIVITY	GEOGRAPHIC POSITION		POSITION QUALITY
TP-01122	CM-8103	Mobile Bay, Alabama	N.A. 1927	Compilation, Coastal Mapping Rockville, Md.	φ	λ	
CHARTING NAME	DESCRIPTION	PHOTO NO. Date of Photo	PLANE COOR. (FT) STATE ZONE	φ	λ		
Tank	(Theodore U.S. Army Terminal Water Tank, 1960)	82B(P) 4155 3/7/82	X	φ 30 32	56.329	Geodetic	
Conical Tower	On Brookley Airport	82B(P) 4168 3/7/82	Y	λ 88 06	40.688		
Tower	Control Tower-Brookley Airport	"	X	φ 30 36	45.09	Manually Digitized	
Tank	Charted as "Aero Beacon on Tank" for Brookley Airport.	82B(P) 4169 3/7/82	Y	λ 88 03	19.92	"	
Stack	On McDuffie Island	"	X	φ 30 37	37.51		
Tank	West on Dog River and Rabbit Creek junction.	82B(P) 4154 3/7/82	Y	λ 88 04	06.35	Aerotriangulated	
			X	φ 30 38	42.88	Manually Digitized	
			Y	λ 88 04	17.34		
			X	φ 30 39	41.98		
			Y	λ 88 02	13.10		
			X	φ 30 35	19.33	Aerotriangulated	
			Y	λ 88 08	25.75		
			X	φ			
			Y	λ			
			X	φ			
			Y	λ			
			X	φ			
			Y	λ			
			X	φ			
			Y	λ			
			X	φ			
			Y	λ			

NOTE: The objects have not been inspected from seaward to determine their value as landmarks.

LISTED BY Edward D. Allen	DATE 3/84	LISTING CHECKED BY Robert W. Rodkey Jr.	DATE 3/84
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