

TP-01123

TP 01123

NOAA FORM 76-35 (3-76)	
U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL OCEAN SURVEY	
<h2 style="text-align: center;">DESCRIPTIVE REPORT</h2>	
This map edition will not be field edit	
<i>Map No.</i> TP-01123	<i>Edition No.</i> 1
<i>Job No.</i> CM-8103	
<i>Map Classification</i> III Final	
<i>Type of Survey</i> Shoreline	
LOCALITY	
<i>State</i> ALABAMA	
<i>General Locality</i> Mobile Bay	
<i>Locality</i> Daphne	
<div style="border: 1px solid black; padding: 5px; display: inline-block;"> 1982 TO 19 </div>	
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 checked="" type="checkbox"/> ORIGINAL <input type="checkbox"/> RESURVEY <input type="checkbox"/> REVISED	
PHOTOGRAMMETRIC OFFICE Rockville, Md.		SURVEY TP. <u>01123</u> MAP EDITION NO. <u>(1)</u> MAP CLASS <u>III Final</u> JOB <u>XPR CM-8103</u>	
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, 1982 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	DATE
1. AEROTRIANGULATION BY		B. Thornton	9/82
METHOD: Analytic LANDMARKS AND AIDS BY		B. Thornton	9/82
2. CONTROL AND BRIDGE POINTS PLOTTED BY		B. Thornton	9/82
METHOD: Coradomat CHECKED BY		N/A	
3. STEREOSCOPIC INSTRUMENT PLANIMETRY BY		C. Heazel	3/83
COMPILATION CHECKED BY		J. Schad	3/83
INSTRUMENT: B-8		N/A	
SCALE: 1:20,000		N/A	
4. MANUSCRIPT DELINEATION PLANIMETRY BY		C. Heazel	3/83
CHECKED BY		J. Schad	3/83
METHOD: (Smooth Drafted)		N/A	
CHECKED BY		N/A	
SCALE: 1:20,000		N/A	
HYDRO SUPPORT DATA BY		N/A	
CHECKED BY		N/A	
5. OFFICE INSPECTION PRIOR TO FIELD EDIT BY		N/A	
6. APPLICATION OF FIELD EDIT DATA BY		N/A	
CHECKED 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			
10. DATA EXAMINED IN PHOTOGRAMMETRIC BRANCH BY		ED. Allen	1/84
11. MAP REGISTERED - COASTAL SURVEY SECTION BY		E. DAUGHERTY	NOV 1984

TP-01123

NOAA FORM 76-368
(3-72)U. S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEY

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 checked="" type="checkbox"/> PREDICTED TIDES		(P) PANCHROMATIC		Central	
<input type="checkbox"/> REFERENCE STATION RECORDS		R: INFRARED		MERIDIAN	<input type="checkbox"/> DAYLIGHT
<input type="checkbox"/> TIDE CONTROLLED PHOTOGRAPHY				90th	

NUMBER AND TYPE	DATE	TIME	SCALE	STAGE OF TIDE
82BP4209 thru 4214	3/7/82	1141	1:50,000	
82BP4186, 4187	3/7/82	1058	1:50,000	
82BR4279 thru 4282	3/8/82	1048	1:50,000	-.02 MLLW*
82BR4300	3/8/82	1108	1:50,000	-.20 MLLW*

REMARKS

*

Predicted tides photography (Based on Great Point Sub 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	None	TP-01125	TP-01122

REMARKS

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

HISTORY OF FIELD OPERATIONS

TP-01123

I. ☒ FIELD INSPECTION 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 <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

Photo Identified

2. VERTICAL CONTROL IDENTIFIED

PHOTO NUMBER	STATION NAME	PHOTO NUMBER	STATION DESIGNATION
82B(P) 4213	NO 263 ALGS 1938 RM 1 Sub. Sta. A & B		
82B(P) 4211	Fairhope Municipal Tank, 1938 Sub. Sta. 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)

Two CSI Forms C&GS-152 and sketches for stations listed above contained in a field data folder. Field Notebook containing: Horizontal (abstracts/Computations), Sketches, and NOAA Form 76-53, NOAA Form 76-52, And NOAA Form 252

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

RECORD OF SURVEY USE

TP-01123

I. MANUSCRIPT COPIES

COMPILATION STAGES			DATE MANUSCRIPT FORWARDED	
DATA COMPILED	DATE	REMARKS	MARINE CHARTS	HYDRO SUPPORT
Final Reviewed Map		Class III	JUN 4 1984	

II. LANDMARKS AND AIDS TO NAVIGATION

1. REPORTS TO MARINE CHART DIVISION, NAUTICAL DATA BRANCH

NUMBER	CHART LETTER NUMBER ASSIGNED	DATE FORWARDED	REMARKS
2 pages		JUN 4 1984	Form 76-40 Aids to navigation & landmarks

2. ☐ REPORT TO MARINE CHART DIVISION, COAST PILOT BRANCH. DATE FORWARDED: _____3. ☐ REPORT TO AERONAUTICAL CHART DIVISION, AERONAUTICAL DATA SECTION. DATE FORWARDED: _____

III. FEDERAL RECORDS CENTER DATA

1. ☐ BRIDGING PHOTOGRAPHS; ☒ DUPLICATE BRIDGING REPORT; ☒ COMPUTER READOUTS.
 2. ☒ CONTROL STATION IDENTIFICATION CARDS; ☐ FORM NOS 567 SUBMITTED BY FIELD PARTIES.
 3. ☒ SOURCE DATA (except for Geographic Names Report) AS LISTED IN SECTION II, NOAA FORM 76-36C.
 ACCOUNT FOR EXCEPTIONS:

4. ☐ DATA TO FEDERAL RECORDS CENTER. DATE FORWARDED: _____

IV. SURVEY EDITIONS (This section shall be completed each time a new map edition is registered)

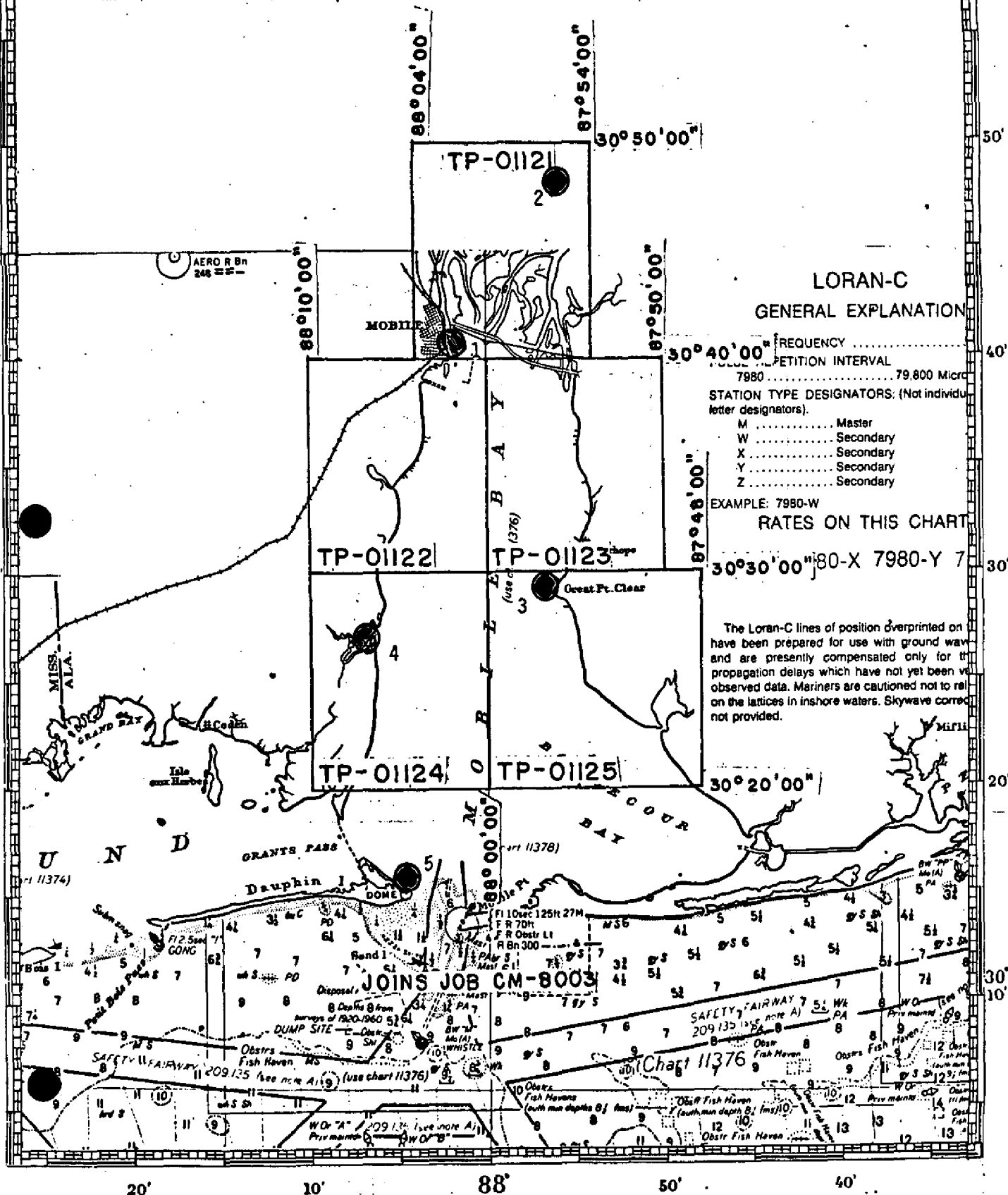
SECOND EDITION	SURVEY NUMBER TP - _____ (2)	JOB NUMBER PH - _____	TYPE OF SURVEY <input type="checkbox"/> REVISED <input type="checkbox"/> RESURVEY MAP CLASS <input type="checkbox"/> II. <input type="checkbox"/> III. <input type="checkbox"/> IV. <input type="checkbox"/> V. <input type="checkbox"/> FINAL
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	
THIRD EDITION	SURVEY NUMBER TP - _____ (3)	JOB NUMBER PH - _____	TYPE OF SURVEY <input type="checkbox"/> REVISED <input type="checkbox"/> RESURVEY MAP CLASS <input type="checkbox"/> II. <input type="checkbox"/> III. <input type="checkbox"/> IV. <input type="checkbox"/> V. <input type="checkbox"/> FINAL
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	
FOURTH EDITION	SURVEY NUMBER TP - _____ (4)	JOB NUMBER PH - _____	TYPE OF SURVEY <input type="checkbox"/> REVISED <input type="checkbox"/> RESURVEY MAP CLASS <input type="checkbox"/> II. <input type="checkbox"/> III. <input type="checkbox"/> IV. <input type="checkbox"/> V. <input type="checkbox"/> FINAL
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	

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

Tide Station Sites

5

- 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-01123

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

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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 1:⁵~~20~~,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 ratioed 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:

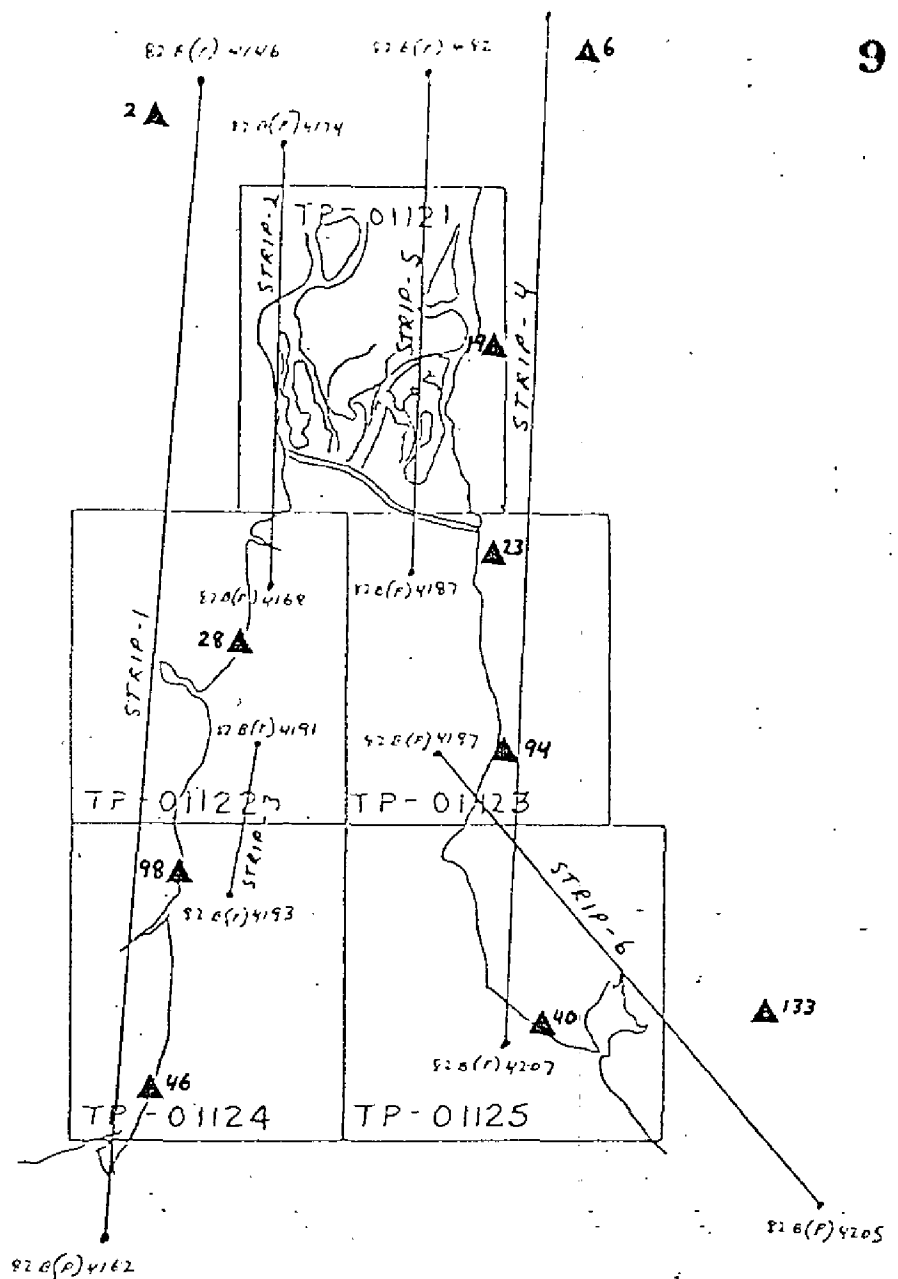
Don O. Norman

Don O. Norman
Chief, Aerotriangulation Section

Submitted by:

Brian Thornton

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 (FARLEY, 1935)
- 46 - 159101, 159102 (MAN LOUIS, 1930)
- 133 - 202101, 202102 (KAISER, 1959)
- 40 - 207101, 207102 (MACK, 1934)
- 94 - 210101, 210102 (FAIR HIRE MUNI. WATER TANK, 1938)
- 23 - 213101, 213102 (NO 263 ALGS, 1939)
- 19 - 216101, 216102 (DIXON, 1935)
- 6 - 219101, 219102 (MINETTE, 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 Daupnin 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	0.587

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

DESCRIPTIVE REPORT CONTROL RECORD

MAP NO. TP-01123		JOB NO. CM-8103		GEODETTIC DATUM N.A. 1927		ORIGINATING ACTIVITY Compilation, Rockville, Md.			
STATION NAME	SOURCE OF INFORMATION (Index)	AEROTRI-ANGULATION POINT NUMBER	COORDINATES IN FEET STATE Alabama ZONE West		GEOGRAPHIC POSITION ϕ LATITUDE λ LONGITUDE		REMARKS		
Daphne Lake Forest Sub Div Tank, 1960	Quad 300874 Sta. 1028	313100 73	x=	ϕ 30 38 41.323			Recovered in 1982; Plotted on map		
			y=	λ 87 54 21.084					
Daphne Municipal Tank, 1960	Quad 300874 Sta. 1029	212124 24	x=	ϕ 30 36 10.482			Charted landmark; plotted on map.		
			y=	λ 87 54 14.918					
NO 263 ALGS, 1938, RM 1	Project Field Control Book.		x=	ϕ			Recovered in 1982; Not plotted on map.		
			y=	λ					
NO 263 ALGS, 1938. RM 2	" "		x=	ϕ			" " "		
			y=	λ					
NO 263 ALGS, 1938	" "		x=	ϕ			Not recovered in 1982; Not plotted on map.		
			y=	λ					
			x=	ϕ					
			y=	λ					
			x=	ϕ					
			y=	λ					
			x=	ϕ					
			y=	λ					
			x=	ϕ					
			y=	λ					
			x=	ϕ					
			y=	λ					
COMPUTED BY	DATE		COMPUTATION CHECKED BY				DATE		
LISTED BY C. Heazell	DATE 3/83		LISTING CHECKED BY J. Schad				DATE 3/83		
HAND PLOTTING BY	DATE		HAND PLOTTING CHECKED BY				DATE		

COMPILATION REPORT
TP-01123
MARCH 1983

31. Delineation

All delineation except for the mean lower low water was compiled from 1:50,000-scale photographs using the Wild B-8 stereoplotter. A general pattern of secondary roads was compiled to control the tide-coordinated infrared photos of the mean lower low water.

The mean lower low water line was compiled graphically.

32. Control

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

33. Supplemental Data

None

34. Contours and Drainage

Contours not applicable. Drainage was compiled using the Wild B-8 stereoplotter.

35. Shoreline and Alongshore Details

The shoreline was compiled and alongshore details identified by office interpretation of the photographs. Some detail was omitted as being too small to show at this scale. No field inspection was made prior to map compilation.

36. Offshore Detail

Several obstructions were located during compilation.

37. Landmarks and Aids

Seven landmarks were located by Aerotriangulation Section and verified during compilation. One aid was identified during compilation.

38. Control for Future Surveys

None

39. Junctions

Refer to NOAA Form 76-36B.

40. Horizontal and Vertical Accuracy

No statement.

41. Map Features of Possible Landmark Value

Four 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 USGS quadrangles:

Daphne, Alabama, scale 1:24,000, 1953, Photorevised 1967 and 1974.
Bridgehead, Alabama, scale 1:24,000, 1953, Photorevised 1967 and 1974.

47. Comparison with Existing Charts

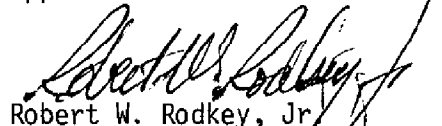
Comparison was made with NOAA Chart 11376, 36th Edition, scale 1:80,000 October 16, 1982.

Submitted by:



C. Heazel

Approved and Forwarded:



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

REVIEW REPORT
SHORELINE SURVEY.
TP-01123

61. Topographic map TP-01123 is one of five maps in project CM-8103 and is the center east map in the project. It covers part of shore in Mobile Bay, Alabama. This map was compiled at a 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 USGS quadrangles.

Daphne, Alabama, scale 1:24,000, 1953, Photorevised 1967 and 1974.

Bridgehead, Alabama, scale 1:24,000, 1953, Photorevised 1967 and 1974.

64. Comparison with Contemporary Hydrographic Survey - None

65. Comparison with Nautical Charts

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

66. Adequacy of Results and Future Surveys

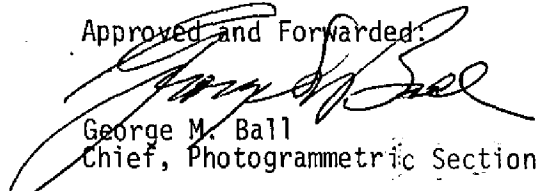
This map complies with the project instructions and meets the National Map Accuracy Standards.

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-01123

Apalachee River

Bay John

Blakeley River

Clump Point

Daphne

Devils Hole

D'Olive Bay

D'Olive Creek

Ducker Bay

Fairhope

Fly Creek

Jackson Oak

Magnolia Beach (locality)

Mobile Bay

Montrose

Park City

Ragged Point

Scrub Point

Seacliff

The Village

Village Point

Volanta

Yancey Branch

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

RESPONSIBLE PERSONNEL	
TYPE OF ACTION	NAME
OBJECTS INSPECTED FROM SEAWARD	<input type="checkbox"/> PHOTO FIELD PARTY <input type="checkbox"/> HYDROGRAPHIC PARTY <input type="checkbox"/> GEODETIC PARTY <input type="checkbox"/> OTHER (Specify)
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-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																											
<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.				LOCALITY Mobile Bay				DATE 2/83																							
JOB NUMBER CM-8103				SURVEY NUMBER TP-01123				STATE Alabama				CHARTS AFFECTED																							
OPR PROJECT NO.				DATUM N. A. 1927				METHOD AND DATE OF LOCATION (See instructions on reverse side)				CHARTS AFFECTED																							
CHARTING NAME				DESCRIPTION (Record reason for deletion of landmark or aid to navigation. Show triangulation station names, where applicable, in parentheses)				POSITION				OFFICE																							
								LATITUDE ° / ' "				LONGITUDE ° / ' "																							
								D.M. Meters				D.P. Meters																							
TANK				(Daphne Municipal Tank, 1960)				30 36				10.482				87 54				14.918				82B(P) 4212 3/7/82				Geodetic				11376			
TANK				(Daphne Lakes Forest Sub Div Tank, 1960)				30 38				41.323				87 54				21.084				82B(P) 4213 3/7/82				Aerotriangulated				"			
TV TOWER								30 39				33.26				87 53				33.42				"				"							
TANK								30 39				59.27				87 54				45.70				82B(P) 4214 3/7/82				"				"			
TANK				At Daphne				30 35				46.33				87 53				40.46				82B(P) 4212 3/7/82				"				"			

The following objects HAVE ☐ HAVE NOT ☒ been inspected from seaward to determine their value as landmarks.

RESPONSIBLE PERSONNEL	
TYPE OF ACTION	NAME
OBJECTS INSPECTED FROM SEAWARD	<input type="checkbox"/> PHOTO FIELD PARTY <input type="checkbox"/> HYDROGRAPHIC PARTY <input type="checkbox"/> GEODETIC PARTY <input type="checkbox"/> OTHER (Specify)
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
**FIELD POSITIONS are determined by field observations based entirely upon ground survey methods. **PHOTOGRAMMETRIC FIELD POSITIONS are dependent entirely, or in part, upon control established by photogrammetric methods.	

10/83

MAP FEATURES OF POSSIBLE LANDMARK VALUE

MAP NO. TP-01123	JOB NO. CM-8103	GEOGRAPHIC AREA Mobile Bay, Alabama	GEODETIC DATUM N.A. 1927	ORIGINATING ACTIVITY COMPILATION COASTAL MAPPING ROCKVILLE, MD.	GEOGRAPHIC POSITION φ LATITUDE λ LONGITUDE		POSITION QUALITY
CHARTING NAME	DESCRIPTION	PHOTO NO. Date of Photo	PLANE COOR. (FT) STATE ZONE				
Tank	At Park City; SE of Daphne Lake Forest Tank	82B(P)4213 3/7/82	X	φ 30 38 19.82 λ 87 53 53.32			Aerotriangulated
Tank	Water tank at Fairhope	82B(P)4210 3/7/82	X	φ 30 30 56.62 λ 87 53 51.19			"
R Tr	Radio tower (Westerly of two) WABF 1220 kHz	"	X	φ 30 30 39.36 λ 87 54 14.63			Manually Digitized
R Tr	Radio tower (Easterly of two) WABF 1220 kHz	"	X	φ 30 30 38.72 λ 87 54 13.27			"
			X	φ λ			
			X	φ λ			
			X	φ λ			
			X	φ λ			
			X	φ λ			
			X	φ λ			
			X	φ λ			
			X	φ λ			
			X	φ λ			
			X	φ λ			
			X	φ λ			
			X	φ 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	DATE 3/84
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