

TP-01124

TP-01124

NOAA FORM 76-35 (3-75)	
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	
Map No. TP-01124	Edition No. I
Job No. CM-8103	
Map Classification III (Final)	
Type of Survey Shoreline	
<h3 style="text-align: center;">LOCALITY</h3>	
State Alabama	
General Locality Mobile Bay	
Locality Bellefontaine to Heron Bay	
<div style="border: 1px solid black; padding: 5px; text-align: center;"> 19 82 TO 19 </div>	
<h3 style="text-align: center;">REGISTRY IN ARCHIVES</h3>	
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>01124</u> MAP EDITION NO. (D) MAP CLASS <u>III Final</u> JOB <u>PERK 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, 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 STATE _____ ZONE _____	
5. SCALE 1:20,000			
III. HISTORY OF OFFICE OPERATIONS			
OPERATIONS		NAME	DATE
1. AEROTRIANGULATION BY METHOD: <u>Analytic</u> LANDMARKS AND AIDS BY		<u>B. Thornton</u>	<u>9/82</u>
2. CONTROL AND BRIDGE POINTS PLOTTED BY METHOD: <u>Coradomat</u> CHECKED BY		<u>B. Thornton</u> <u>N/A</u>	<u>9/82</u> <u>9/82</u>
3. STEREOSCOPIC INSTRUMENT PLANIMETRY BY COMPILATION CHECKED BY INSTRUMENT <u>B-8</u> CONTOURS BY SCALE: <u>1:20,000</u> CHECKED BY		<u>J. Moler</u> <u>ED. Allen</u> <u>N/A</u> <u>N/A</u>	<u>3/83</u> <u>3/83</u>
4. MANUSCRIPT DELINEATION PLANIMETRY BY CHECKED BY METHOD: <u>(Smooth Drafted)</u> CONTOURS BY CHECKED BY SCALE: <u>1:20,000</u> HYDRO SUPPORT DATA BY CHECKED BY		<u>J. Moler</u> <u>P. Dempsey</u> <u>N/A</u> <u>N/A</u> <u>N/A</u> <u>N/A</u>	<u>3/83</u> <u>3/83</u>
5. OFFICE INSPECTION PRIOR TO FIELD EDIT BY		<u>N/A</u>	
6. APPLICATION OF FIELD EDIT DATA BY		<u>N/A</u>	
7. COMPILATION SECTION REVIEW BY		<u>N/A</u>	
8. FINAL REVIEW BY		<u>P. Dempsey</u>	
9. DATA FORWARDED TO PHOTOGRAMMETRIC BRANCH BY		<u>ED. Allen</u>	
10. DATA EXAMINED IN PHOTOGRAMMETRIC BRANCH BY		<u>ED. Allen</u>	
11. MAP REGISTERED - COASTAL SURVEY SECTION BY		<u>E. DAUGHERTY</u>	
		<u>Nov 1984</u>	

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

COMPILATION SOURCES

TP-01124

1. COMPILATION PHOTOGRAPHY

CAMERA(S) RC-10(B) F=152.74		TYPES OF PHOTOGRAPHY LEGEND (C) COLOR (P) PANCHROMATIC (R) INFRARED B&W		TIME REFERENCE	
TIDE STAGE REFERENCE <input checked="" type="checkbox"/> PREDICTED TIDES <input type="checkbox"/> REFERENCE STATION RECORDS <input type="checkbox"/> TIDE CONTROLLED PHOTOGRAPHY				ZONE Central	<input checked="" type="checkbox"/> STANDARD
				MERIDIAN 90th	<input type="checkbox"/> DAYLIGHT
NUMBER AND TYPE	DATE	TIME	SCALE	STAGE OF TIDE	
82 BP 4156-4160	3/7/82		1:50,000	0.18 MLLW Fort Gaines (Sub Station)	
*82 BR 4331-4336	3/8/82	1151	1:50,000		
82 BP 4192-4193	3/7/82		1:50,000	-0.04 MLLW Fowl River (Sub Station)	
*82 BR 4303	3/8/82	1120	1:50,000		

REMARKS

* Tide predicted photography subordinate station Fort Gaines & Fowl River

2. SOURCE OF MEAN HIGH-WATER LINE:

Panchromatic photos listed above.

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

Infrared B&W photos listed 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-01122	TP-01125	CM-8003	No Survey

REMARKS

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

RECORD OF SURVEY USE

TP-01124

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
1 page		JUN 4 1984	Form 76-40 Aids to Navigation

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	

HISTORY OF FIELD OPERATIONS.

TP-01124

I. ☒ FIELD INSPECTION OPERATION☐ FIELD EDIT OPERATION.

OPERATION	NAME	DATE
1. CHIEF OF FIELD PARTY	R. W. Tibbetts	4/82
2. HORIZONTAL CONTROL	RECOVERED BY R. W. Tibbetts	4/82
	ESTABLISHED BY R. W. Tibbetts	4/82
	PRE-MARKED OR IDENTIFIED BY R. W. 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	
7. BOUNDARIES AND LIMITS	SURVEYED OR IDENTIFIED BY	

II. SOURCE DATA

1. HORIZONTAL CONTROL IDENTIFIED
Photo Identified2. VERTICAL CONTROL IDENTIFIED
N/A

PHOTO NUMBER	STATION NAME	PHOTO NUMBER	STATION DESIGNATION
82B(P)4159	Mon Louis 1930, 1960 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

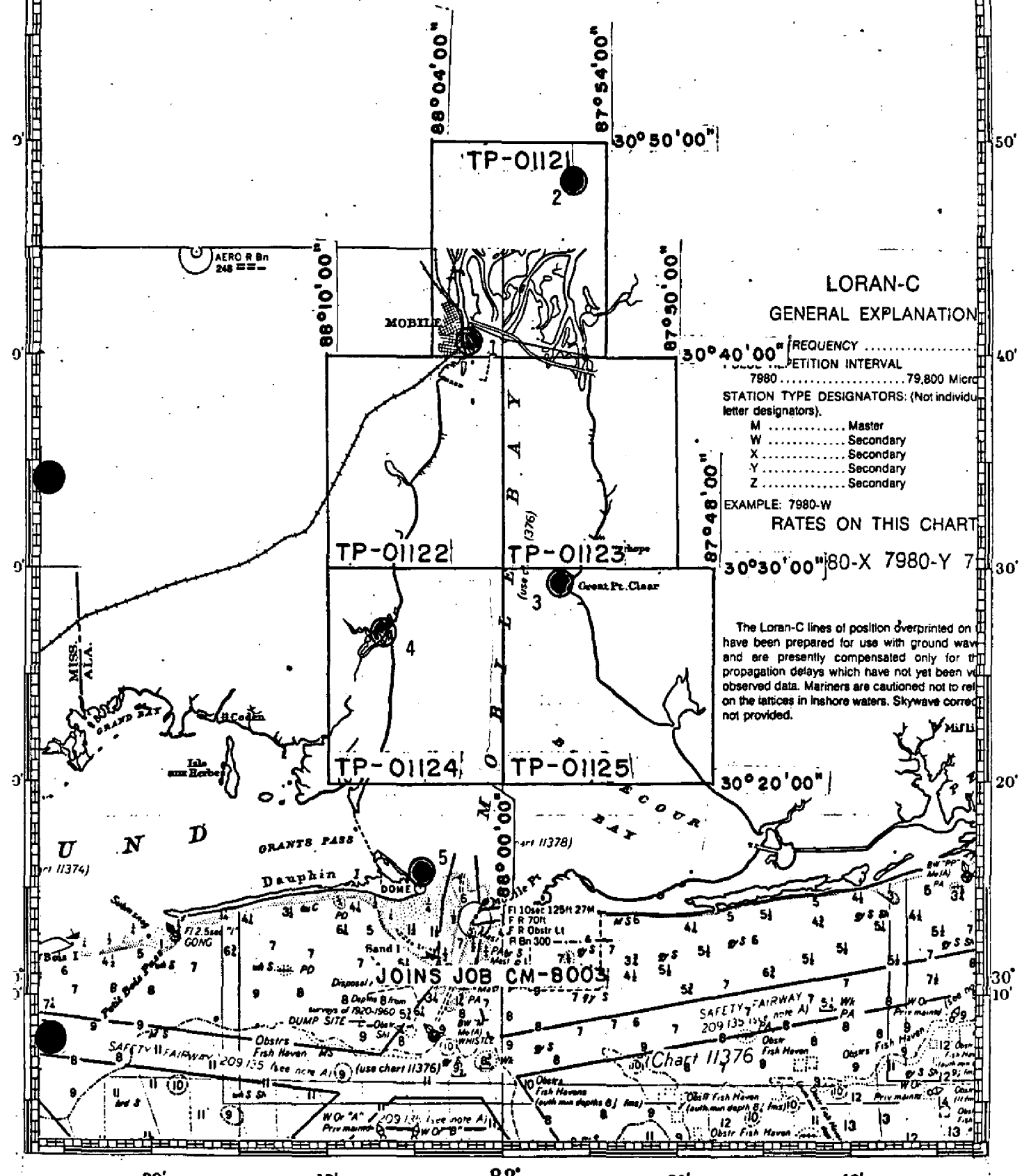
8. OTHER FIELD RECORDS (Sketch books, etc. DO NOT list data submitted to the Geodesy Division)

One CSI Form-152 and sketch for station listed above in a field data folder. Field notebook containing Horizontal (abstracts, computations, sketches, and NOAA Form 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)



LORAN-C
GENERAL EXPLANATION

FREQUENCY
PETITION INTERVAL
7980 79,800 Micro
STATION TYPE DESIGNATORS: (Not individual letter designators).
M Master
W Secondary
X Secondary
Y Secondary
Z Secondary

EXAMPLE: 7980-W
RATES ON THIS CHART

30°30'00" 80-X 7980-Y 7

The Loran-C lines of position overprinted on have been prepared for use with ground wave and are presently compensated only for the propagation delays which have not yet been observed data. Mariners are cautioned not to rely on the lattices in inshore waters. Skywave correction not provided.

SUMMARY TO ACCOMPANY DESCRIPTIVE REPORT
TP-01124

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 Battersette

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 1:⁵20,000 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:

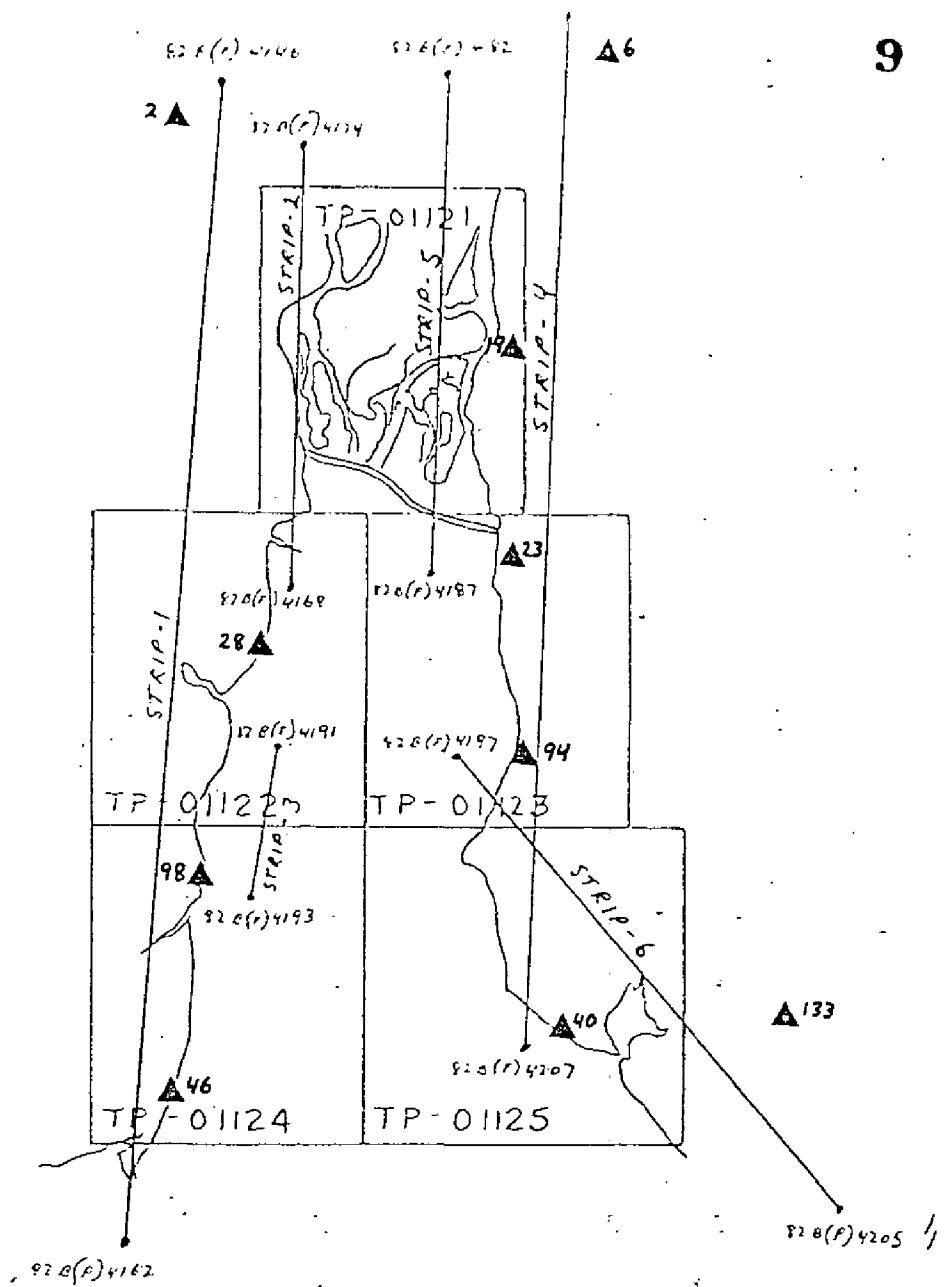
Submitted by:



Don O. Norman
Chief, Aerotriangulation Section



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 (SILCO, 1942)
- 28 - 153101, 153102 (HAGEN, 1935)
- 98 - 156101, 156102 (Faul RM 4, 1935)
- 46 - 159101, 159102 (Mann Lewis, 1930)
- 133 - 202101, 202102 (KAISER, 1959)
- 40 - 207101, 207102 (MACK, 1934)
- 94 - 210101, 210102 (Fair Hope Muni. Water Tank, 1938)
- 23 - 213101, 213102 (MC 263 ALGS, 1938)
- 19 - 216101, 216102 (DIXON, 1935)
- 6 - 219101, 219102 (Minnette, 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	-5.540
▲ 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-01124	JOB NO. CM-8103	AEROTRI- ANGULATION POINT NUMBER	SOURCE OF INFORMATION (Index)	GEODETIC DATUM		COORDINATES IN FEET STATE <u>Alabama</u> ZONE <u>West</u>	GEOGRAPHIC POSITION		ORIGINATING ACTIVITY Compilation, Coastal Mapping Rockville, Md.	REMARKS
				N.A. 1927			ϕ LATITUDE λ LONGITUDE			
Mon Louis, 1930	Quad 300882 Sta 1056			X=			ϕ 30	21	40.266	Recovered in 1982; plotted on map.
				Y=			λ 88	06	54.182	
				X=			ϕ			
				Y=			λ			
				X=			ϕ			
				Y=			λ			
				X=			ϕ			
				Y=			λ			
				X=			ϕ			
				Y=			λ			
				X=			ϕ			
				Y=			λ			
				X=			ϕ			
				Y=			λ			
				X=			ϕ			
				Y=			λ			
COMPUTED BY				COMPUTATION CHECKED BY				DATE		
LISTED BY J. Moler				LISTING CHECKED BY J. Sched				DATE 6/83		
HAND PLOTTING BY				HAND PLOTTING CHECKED BY				DATE 6/83		

CM-8103
Compilation Report
TP-01124

31. Delineation

All detail except the MLLW line was compiled from panchromatic photos using the Wild B-8 stereoplotter. The MLLW line was compiled graphically from tide-predicted infrared ratios.

The spoil area in the upper northeast corner of the manuscript was delineated from the worksheet of TP-01122.

32. Control

See Aerotriangulation Plot Report for adequacy of horizontal control. Vertical control was obtained from USGS quads.

33. Supplemental Data - None

34. Contours and Drainage

Contours are not applicable to this project. Drainage was delineated using the Wild B-8 stereoplotter.

35. Shoreline and Alongshore Details

There were numerous piers and slips that were not shown due to their small size. In several areas the tides horizontal displacement was too small to show the MLLW line. There was no field inspection prior to map compilation.

36. Offshore Details

There is no photographic coverage beyond 11,000 feet (approx) east of the shoreline.

Some obstructions were located (lat. $30^{\circ}25.4'$ and long. $88^{\circ}06.2'$) that appear to be pier end remnants.

37. Landmarks and Aids

There were no landmarks to locate, 6 aids were identified and located on B-8 stereoplotter.

38. Control for Future Surveys - None

39. Junctions

TP-01122 to the north, TP-01125 to the east,
CM-8003 to the south, and no survey to the west.

40. Horizontal and Vertical Accuracy

No statement.

41-45 - Not applicable.

46. Comparison with Existing Maps

Comparison was made with the following USGS quads:

Bellefontaine, Ala., scale 1:24,000, 1956 Edition, revised 1974
Coden, Ala., scale 1:24,000, 1956 Edition, revised 1974
Heron Bay, Ala., scale 1:24,000, 1956 Edition
Little Dauphin Island, Ala., scale 1:24,000, 1956 Edition

47. Comparison with Nautical Charts

Chart 11376, 35th Edition, September 12, 1981.

Submitted by:

J. G. Moler
J. Moler

Approved and Forwarded:

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

REVIEW REPORT
SHORELINE SUMMARY

TP-01124

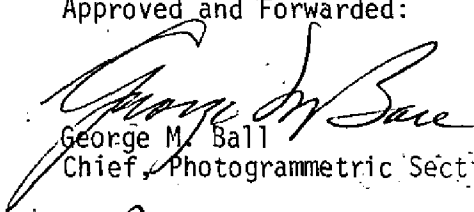
61. Topographic map TP-01124 is one of 5 maps in project CM-8103 and is the South Western most map in this project which joins CM-8003 to the south. It covers part of the shore of Mobile Bay, Alabama. This map was compiled at a scale of 1:20,000. Refer to Summary bound with this Descriptive Report.
62. Comparison with Registered Topographic Surveys - None.
63. Comparison with Maps of Other Agencies
Refer to the Compilation Report, paragraph 46, bound with this Descriptive Report.
64. Comparison with Contemporary Hydrographic Surveys - None
65. Comparison with Nautical Charts
Comparison was made with NOAA Chart 11376, 35th Edition, September 12, 1981.
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



Chief, Photogrammetry Branch

12-8-83

GEOGRAPHIC NAMES
FINAL NAME SHEET
CM-8103 (Mobile Bay, Alabama)
TP-01124

Alabama Port	Heron Bay (locality)
Bayleys Corner	Heron Bayou
Bayou Jonas	Mobile Bay
Bellefontaine	Mon Louis
Delchamps	Mon Louis Island
Delchamps Bayou	Point Judith
Faustinas	Smithport
Fowl River	South Orchard
Fowl River Point	Sunny Cove (locality)
Gaillard Island	The Narrows
Goat Island	West Fowl River
Heron Bay	Whitehouse Bayou

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	<input type="checkbox"/> 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 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 **PHOTOGAMMETRIC 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.	

(8-74)

 SUPERSEDES NOAA FORM 78-40 (2-71) WHICH IS OBSOLETE, AND
 EXISTING STOCK SHOULD BE DESTROYED UPON RECEIPT OF REVISION.

☆ U. S. GPO: 1975-0-665-080/1155

RECORD OF APPLICATION TO CHARTS

FILE WITH DESCRIPTIVE REPORT OF SURVEY NO.

INSTRUCTIONS

A basic hydrographic or topographic survey supersedes all information of like nature on the uncorrected chart.

1. Letter all information.
2. In "Remarks" column cross out words that do not apply.
3. Give reasons for deviations, if any, from recommendations made under "Comparison with Charts" in the Review.

[illegible]