AAOA	FORM	76-35
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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. Edition No. TP-01122
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

\*U. S. GOVERNMENT PRINTING OFFICE:1976-669-248

NOAA FORM 76-36A U. S. DEPARTMENT OF COMMERCE		
NOAA FORM 76-36A U. S. DEPARTMENT OF COMMERCE (3-72) NATIONAL OCEANIC AND ATMOSPHERIC ADMIN.	TYPE OF SURVEY	SURVEY TP.01122
	ORIGINAL	MAP EDITION NO. (1)
DESCRIPTIVE REPORT - DATA RECORD	RESURVEY	MAP CLASSIII Final
	REVISED	лов ж <u>жжхСМ-8103</u>
PHOTOGRAMMETRIC OFFICE	LAST PRECEED	ING MAP EDITION
	TYPE OF SURVEY	JOB PH
Rockville, Md.	ORIGINAL	MAP CLASS
OFFICER-IN-CHARGE	RESURVEY	SURVEY DATES:
L. W. Fritz	REVISED	19TO 19
I. INSTRUCTIONS DATED		<del></del>
1, OFFICE	2.	FIELD
Office Jan. 10, 1983 Aerotriangulation July 20, 1982	Field	Jan. 12, 1982
11. DATUMS	<u></u>	<del></del>
1 HODITONITAL	OTHER (Specify)	
1. HORIZONTAL: 1927 NORTH AMERICAN		
MEAN HIGH-WATER      MEAN LOW-WATER      MEAN LOWER LOW-WATER      MEAN SEA LEVEL	OTHER (Specity)	
3. MAP PROJECTION	4.	GRID(5)
	STATE	ZONE
Tranverse Mercator	Alabama	West
5. SCALE 1: 20,000	STATE	ZONE
III. HISTORY OF OFFICE OPERATIONS	<u> </u>	<u> </u>
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	1/83
COMPILATION CHECKED BY INSTRUMENT: B-8 CONTOURS BY	P. Dempsey	1/83
1.00.000	N/A N/A	
4. MANUSCRIPT DELINEATION PLANIMETRY BY	C. Heazel	2/83
CHECKED BY	P. Dempsey	3/83
	N/A	- 13/93
METHOD: (Smooth Drafted)	N/A	
scale: 1:20,000 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	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		- 101
10. DATA EXAMINED IN PHOTOGRAMMETRIC BRANCH BY  11. MAP REGISTERED - COASTAL SURVEY SECTION BY	ED. Allen E DAUGHERT	1/84
	(JATVAP/TPL//_/	v 17.711/1/17

NOAA FORM 76-36B 3-72)				NATIONAL OC	EANIC AND		NAL OCEAN SURVE
		C	OMPILATION	SOURCES			
1. COMPILATION PH	OTOGRAPHY		···			<del></del> .	
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TIDE CONTROLLI			(R) INFRA	RED B&W	90t		DAYLIGH
NUMBER AND		DATE	TIME	SCALE		STAGE	OF TIDE
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NOAA FORM (3-72)	76-36D			N	ATIONAL OCEA	U. S. DEPARTMENT OF COMMERC NIC AND ATMOSPHERIC ADMINISTRATIO
			RECO	RD OF SURVE	Y USE	מודי סיווס
I. MANUSCRI	IPT COPIES	-	· · · · · · · · · · · · · · · · · · ·	-		TP-01122
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DA	ATA COMPILED		DATE	RE	MARKS	MARINE CHARTS HYDRO SUPPOR
Final	Reviewed Map			Class III		JUN 4 1984
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THIRD	тР	(3)	PH			REVISED RESURVEY
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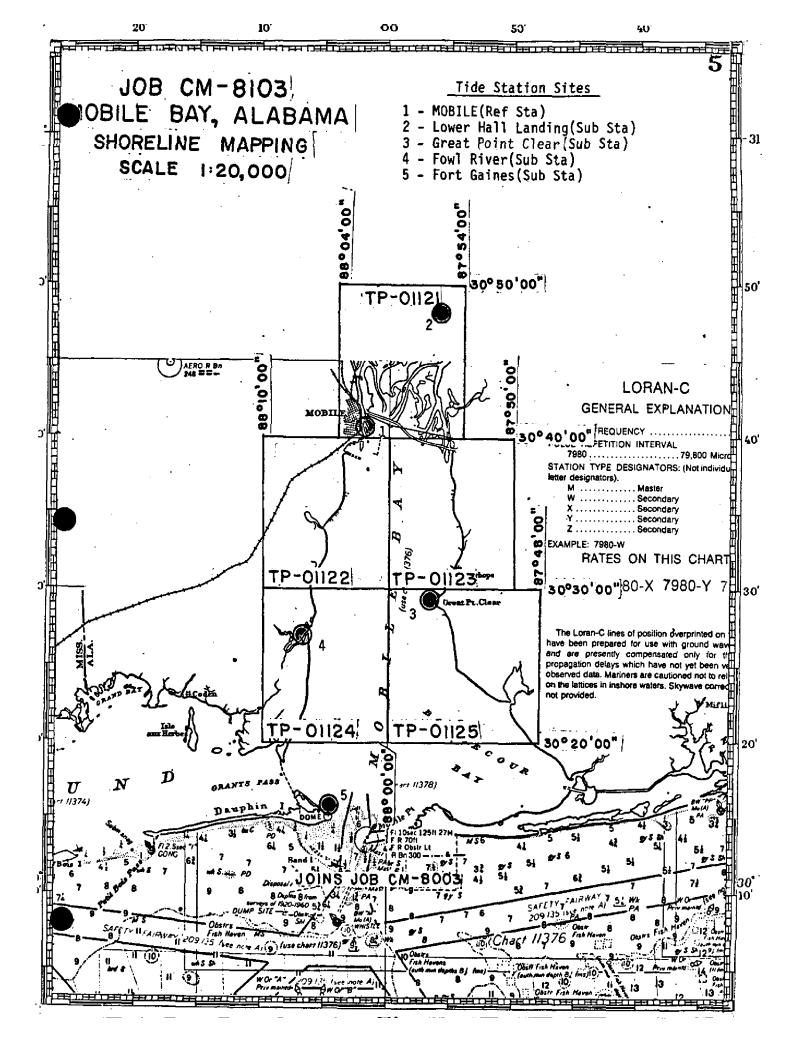
TP-01122 NOAA FORM 76-36C U. S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL OCEAN SURVEY HISTORY OF FIELD OPERATIONS I. X FIELD TO THE OF THE PRINTED HERATION FIELD EDIT OPERATION **OPERATION** NAME DATE I. CHIEF OF FIELD PARTY R. S. Tibbetts 4/82 R. S. Tibbetts 4/82 RECOVERED BY 2. HORIZONTAL CONTROL Tibbetts 4/82 R. S. Tibbetts 4/82 PRE-MARKED OR IDENTIFIED BY N/A RECOVERED BY N/A 3. VERTICAL CONTROL ESTABLISHED BY PRE-MARKED OR IDENTIFIED BY N/A N/A RECOVERED (Triangulation Stations) BY N/A 4. LANDMARKS AND LOCATED (Field Methods) BY AIDS TO NAVIGATION N/A IDENTIFIED BY TYPE OF INVESTIGATION COMPLETE 5. GEOGRAPHIC NAMES SPECIFIC NAMES ONLY INVESTIGATION NO INVESTIGATION 6. PHOTO INSPECTION CLARIFICATION OF DETAILS BY N/A 7. BOUNDARIES AND LIMITS N/A SURVEYED OR IDENTIFIED BY II. SOURCE DATA 1. HORIZONTAL CONTROL IDENTIFIED 2. VERTICAL CONTROL IDENTIFIED Photoidentified 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 X NONE 6. BOUNDARY AND LIMITS: REPORT

7.	SUPPL	EMENTA	L MAPS	AND	PLANS

N/A

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



## 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 identifield 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:

Robert S. Tibbetts

In Fund Bothersotte

#### 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 manscripts.

### 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:

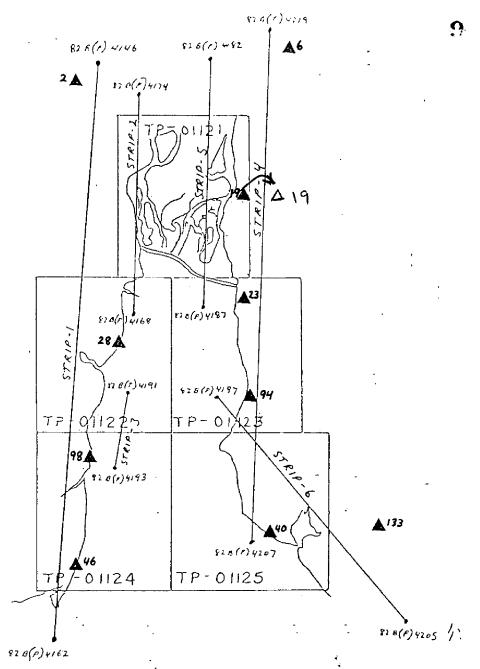
Submitted by:

Don O. Norman

Chief, Aerotriangulation Section

Don O. Norma

Brian Thornton Cartographer



JOB CM-8103
MOBILE BAY, ALABAMA
BRIDGING PHOTOGRAPHS
1:50,000 SCALE
MANUSCRIPT SCALE 1:20,000

KEY TO Numbered Index

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2-147101,147102 (SILO,1942)
28-153101,153102 (Hagen,1935)
98-156101,156102 (Fowl RM4,1935)
46-159101,159102 (Men Louis,1930)
133-202101,202102 (KAISER, 1959)
40-207101,207102 (MACK,1934)
94-210101,210102 (FAIT Hope Muni. Water Tank, 1938)
23-213101,213102 (NO 263 ALGS,1938)
19-216101,216102 (DIXON, 1935)
6-219101,219102 (Minette, 1897)
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CM-8103

## Mobile Bay, Alabama

# Fit to Control (in feet)

## ▲ Stations held in adjustment

<u>St</u>	rip 1		<u>Point No</u> .	X	<u>Y</u>
<b>A</b> 2	Silo, 1942	Sub. pt.	147101 147102	-0.290 1.009	0.946 0.922
15	Chickasan Tank, 193	35	150115	-1.877	-5.897
57	Mobile, State Docks North Tank, 1935	5,	151157	-1.677	-4.432
58	Mobile State Docks South Tank, 1935		151158	-4.879	-0.790
60	Mobile, Railroad Station Cupola, 193	35	151160	0.079	-0.017
<b>▲</b> ·28	Hagen, 1935	Sub. pt.	153101 153102	0.305 1.356	2.835 5.722
84	Theodore, U.S. Army Terminal Wt. Tank,		155184	-1.317	-2.841
<b>▲</b> 98	Fowl Rm 4, 1935	Sub. pt Sub. pt	156101 156102	-0.741 0.061	-3.064 -2.746
<b>A</b> 46	Mon Louis, 1930	Sub. pt Sub. pt	159101 159102	1.100 0.089	-0.341 0.718
156	Pass Aux Herons Rai D Rear Light, 1958	nge	161156	-1.038	1.003
159	Dauphin Island Water Tank, 1958		162159	U.028	-0.186

▲ Stations held in adjustment			
Strip 2	Point No.	<u>X</u>	Y
▲ Tie from Strip l	168801	1.185	-0.664
▲ Tie from Strip 1	168802	0.497	1.984
▲ Tie from Strip l	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 T	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 l	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 adj	ustment			
Strip 3		Point No.	<u>X</u>	<u>Y</u>
84 Theodore, U.S. Ar Terminal, Water T	•	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 l		192802	0.436	0.353
▲ Tie from Strip l		192803	0.745	-1.165
▲ Tie from Strip l		192804	0.594	0.901
▲ Tie from Strip 1		192805	-0.843	-0.332
▲ Tie from Strip 1		192806	-0.522	0.667
Strip 4				
▲ 40 Mack, 1934 ▲	Sub. pt. 1 Sub. pt. 2	207101 207102	-1.132 -0.159	-0.169 -1-513
▲ 94 Fair Hope Muni ▲ Water Tank, 1938	Sub. pt. 1 Sub. pt. 2	210101 210102	1.456 2.584	0.736 1.453
24 Daphne, Municipal Tank, 1960		212124	6.240	1.841
73 Daphne, Lake Fore Sub. Div., Tank 1		213100	1.846	2.331
▲ 23 No 263 ALGS 1938	Sub. pt. 1 Sub. pt. 2	213101 213102	-2.287 0.731	1.456 -3.459
▲ 19 Dixon, 1935 ▲	Sub. pt. 1 Sub. pt. 2	216101 216102	-1.101 -0.932	-0.724 -2.271
▲ 6 Minette, 1897	Sub. pt. 1 Sub. pt. 2	219101 219102	2.080 -0.511	-1.303 1.980
Strip 5				
Tie from Strip 2 ▲ Tie from Strip 2		174801- 174802	0.441 3.188	1.311 2.310
Tie from Strip 4  ▲ Tie from Strip 4		182801 182802	-2.791 -4.006	-0.047 0.581

.

Strip 5 Continued			
Tie from Strip 4	183801	-0.861	1.140
Tie from Strip 4	183802	-1.055	1.063
	172804	1.344	-0.575
Tie from Strip 2	172805	0.311	-1.567
▲ Tie from Strip 2 Tie from Strip 2	172806	0.738	-1.685
	173803	-0.153	0.233
Tie from Strip 2	173804	1.519	-0.595
Tie from Strip 2		3.391	0.092
▲ Tie from Strip 4	184801 184802	2.715	0.387
Tie from Strip 4			
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
	187801	-4.138	0.567
▲ Tie from Strip 4	187802	-3.387	0.433
Tie from Strip 4	<b>,</b>		
Strip 6			
<u> </u>	207700	-0.332	0.546
33 Point Clear, Grant	197133	+0.334	0.010
Hotel, Water Tank, 1960	חסוקה	-2,160	1.081
80 Great Pt. Clear Beacon, 1934	197180	-2.100	

Strip	6	Continued
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94 Fair Hope Muni	Sub. pt. 1	210101	1.476	0.022
▲ Water Tank, 1938	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
▲ Svlvia, 1934		650100	-1,045	-0.035

## Ratio values for the 1982 B(P) briding photographs

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

## Ratio values for the 1982 B(P) MLLW photographs

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

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NOAA FORM 76-41 (6-75)		DESCRIPTIV	DESCRIPTIVE REPORT CONTROL RECORD		U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION	INT OF COMMERCE
MAP NO.	JOB NO.		GEODETIC DATUM		⊢	2 S T S S S S S S S S S S S S S S S S S
T.F-01122	CM-SIO3	03	N.A. 1927		COMPLIATION, CORBUST ME	L Mapping 11e Ma
STATION NAME	SOURCE OF	AEROTRI- ANGULATION	coordinates in Feet start	GEOGRAPHIC POSITION		BEMARKS
		POINT NUMBER				!
Theodore U.S. Army Terminal	Qued 300881	ן אַרבּבּר אַן	χ=	♦ 30 32 56.329	Plotted	d on map;
Water Tank, 1960	Sta 1113	きつてくて	ή=		Possible yalue.	le landmark
	Quad 300881	98	±χ=	♦ 30 35 58.351	Recovered	red in 1982;
nagen, 1932	Sta 1038		y=	λ 88 ο3 37.732	Plotted	- □
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			-χ	φ		
			y=	γ		
			=χ	ф		
			β=	٧		
COMPUTED BY		DATE	COMPUTATION CHECKED BY		DATE	
LISTED BY G. HARZA		DATE 1/83	LISTING CHECKED BY P. Demnse	Δ,	DATE 3/83	33
HAND PLOTTING BY		DATE	HAND PLOTTING CHECKED BY		DATE	
		SUPERSEDES N	SUPERSEDES NOAA FORM 76-41, 2-71 EDITION WHICH IS OBSOLETE.	CH IS OBSOLETE.		1

## 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 - None

#### 34. 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 asocharted.

#### 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

Junctions 39.

See NOAA Form 76-36B

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,

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 (Photorevise 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

Chief, Photogrammetry Branch

#### GEOGRAPHIC NAMES

#### FINAL NAME SHEET

## CM-8103 (Mobile Bay, Alabama)

## TP-01122

. Alligator Bayou

Brookley Airport

Choctaw Point

Deer River

Deer River Point

Dog River

Dog River Point

Gaillard Island

Garrows Bend

Halls Mill Creek

Hollingers Island

Hollingers Island (locality)

Little Sand Island

McDuffie Island

Middle Fork Deer River

Mobile Bay

Moore Creek

North Fork Deer River

Perch Creek

Rabbit Creek

Robinson Bayou

Seaboard System (RR)

South Fork Deer River

Approved

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

GEODETIC PARTY
PHOTO FIELD PARTY
Stompilation activity
ULAL REVIEWER
OUALITY CONTROL & REVIEW GRP.
COAST PLOT BRANCH
(See reverse for responsible personne!) AFFECTED 11376 CHARTS Ξ Ξ Ξ = = ORIGINATING ACTIVITY HYDROGRAPHIC PARTY Aerotriangulated Digitized Digitized Position MEXE Manually METHOD AND DATE OF LOCATION (See instructions on reverse side) Manually Quality Page 1 of = = Ξ U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION 82B(P) 4168 3/7/82 82B(P) 4169 82B(P) 4192 1/83 3/7/82 DATE OFFICE = = Ξ D.P. Meters X been inspected from seaward to determine their volue as landmarks 52.73 34.90 10.72 47.75 00,40 52.01 LONGITUDE Mobile Bay 88 02 88 02 88 01 88 01 88 01 NONFLOATING AIDS OR LANDMARKS FOR CHARTS 0 POSITION N.A. 1927 LOCALITY ).M. Meters 44.66 39.38 13.09 46.13 28.49 09.27 LATITUDE 8 9 39 37 37 DATUM 20 g 30 8 2 ۰ Alabama DESCRIPTION (Record reason for deletion of landmark or aid to navigation. Show triangulation etation names, where applicable, in parentheses) SURVEY NUMBER TP-01122 THEODORE SHIP CHANNEL -Middle Reach Range Front Light -Middle Reach Range Rear Light MOBILE CHANNEL REPORTING UNIT (Field Perty, Ship or Office) The following objects HAVE HAVE NOT | A PROJECT NO. CM-8103 Replaces C&GS Form 567. TO BE CHARTED NOAA FORM 76-40 CHARTING œ 16 压 8 82  $\omega$ -RGE LI -RGE 텀 텀 5 텀 텀

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TION STATION RECOVERED The series of all which is also a	OR VERIFIED  a by symbols as follows:	EW POSITION DETERMINED nter the applicable da
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EXAMPLE: P-8-V	-	EXAMPLE: 75E(C)6042
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B. Photogrammetric field positions** require	CATED OBJECTS	
OR ENTRIES UNDER 'METHOD AND DATE OF LOCATION' (Consult Photogrammetric Instructions No. 64,	INSTRUCTIONS FOR ENTRIES UNDER 'METHOD AND DATE O (Consult Photogrammetric Instructions No. 64,	_
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OTHER (Specify)		
HYDROGRAPHIC PARTY		OBJECTS INSPECTED FROM SEAWARD
7	NAME	TYPE OF ACTION
PERSONNEL	RESPONSIBLE	

NOAA FORM 78-40 (8-74)

SUPERSEDES NOAA FORM 75-40 (2-71) WHICH IS OBSOLETE, AND EXISTING STOCK SHOULD BE DESTROYED UPON RECEIPT OF REVISION.

☆ U.S.GPO:1975-0-665-080/1155

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†	ACTIVITY PARTY	ARTY 14:2:4	COMPLEYION ACTIVITY FINAL REVIEW GRP. COAST PLOT BRANCH	insible personnel)			CHARTS	AFFECTED				11376		÷		=	=		ated "	Ε,			ated "	
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by photogrammetric methods.	*FIELD POSITIONS are determined by field observations based entirely upon ground survey methods.	*FIELD POS
**PHOTOGRAMMETRIC FIELD POSITIONS are dependent centirely, or in part, upon control established	EXAMPLE: F-2-6-L	EXA
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<b>*</b> <	Resection 8 - Sextant	4 - Re
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date of recovery. Triang. Rec.	∵ Vis	V - Ve
When a landmark or aid which is also a tri- angulation station is recovered, enter 'Triang.	applicable	Enter the
TO ANOTHER PROPERTY OF THE PRO		FIELD
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graph used to locate or identify the object.		identify EXAMPLE:
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FIELD (Cont'd)  C B. Photogrammetric field positions** require	IDENTIFIED AND LOCATED OBJECTS	OFFICE
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		ACTIVITIES
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RESPONSIBLE PERSONNEL	RESPONSIBLE	

NOAA FORM 76-40 (8-74)

SUPERSEDES NOAA FORM 76-40 (2-71) WHICH IS OBSOLETE, AND EXISTING STOCK SHOULD BE DESTROYED UPON RECEIPT OF REVISION.

☆ U.S.GPO:1975-0-665-080/1155,

Page 3 of 4

NOAA EOON 76	9					1			
(6-74) Replaces C&GS Form 567.	т 567.	NONFLOATING AIDS OR CAN	WAKKKE!	FOR CHA	ANIC AND	AT MOSPHER	MATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION OF CHARTS	HYDROGRAPHIC PARTY	PARTY
	ľ	151		LOCALITY			DATE	COMBILATION ACTIVITY	> <del>+</del>   -
TO BE CHARLED	SED   Coastal Mapping   Coastal Mapping	_	<del>.</del>	Mobi	Mobile Bay		1/83	FINAL REVIEWER  CONTINUE CONTROL & REVIEW GRP	LAREVIEW GRP.
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	RESPONSIBLE PERSONNEL	FROUNT	
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	(Consult Photogrammetric Instructions No. 64,	Instructions No. 64.	
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- Triangulation 5	Field identified	8-12-75	
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and date of	field work.		
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vations based entirely upon ground survey methods.	ound survey methods.	•	

NOAA FORM 78-40 (8-74)

Page 4 of 4

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(8-74)	- <del>-</del>	•		HAN	IONAL OCE	ANIC AND	S. DEPARTY ATMOSPHER	MENT OF COMMERCE		CTIVITY
Replaces C&GS Form 567	п 567.	NONECCA	NAMEDICAL DESCRIPTION LANDWARKS FOR CHARTS	DMARKS	FOR CH/	ARTS				AR11
TO BE CHARTED		REPORTING UNIT	STATE		LOCALITY			DATE		וועודץ
. XTO BE REVISED		Coastal Mapping	Alabama		Mobi	Mobile Bay		1/83	FINAL REVIEWER  QUALITY CONTROL & REVIEW GRA	L & REVIEW GRP.
The following objects		HAVE HAVE NOT KX	been inspected from sec	award to des	termine the	ir value as	landmarks.		(See reverse for responsible personnel)	sible personnel)
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CHARTING	(Record rea	Record resson for defetion of landmark or sid to navigation. Show triangulation station names, where applicable, in parentheses	k or aid to navigation, re applicable, in parentheses	, ,	// D.M.Meters	, .	// D.P.Meters	OFFICE	Position Quality	
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tions* requal date of F-2-6-L constant and date of 8-12-75 cm.	Enter the applicable data by symbols as follows:  F - Field P - Photogrammetric  L - Located Vis - Visually  V - Verified  1 - Triangulation 5 - Field identified  2 - Traverse 6 - Theodolite  3 - Intersection 7 - Planetable  4 - Resection 8 - Sextant	EFFICE IDENTIFIED AND LOCATED OBJECTS nter the number and date (including ay, and year) of the photograph used dentify and locate the bject.  XAMPLE: 75E(C)6042  8-12-75	INSTRUCTIONS FOR ENTRIES UNDER METHOD AND DATE O (Consult Photogrammetric Instructions No. 64,	FORMS ORIGINATED BY QUALITY CONTROL  AND REVIEW GROUP AND FINAL REVIEW  ACTIVITIES	FUSITIONS DETERMINED AND/OR VERIFIED	OBJECTS INSPECTED FROM SEAWARD	TYPE OF ACTION
**PHO	III. TRIANGULAT When a law angulation Rec. with EXAMPLE:  IIII. POSITION NETTON	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	OR ENTRIES UNDER 'METHOD AND DATE OF LOCATION' (Consult Photogrammetric Instructions No. 64,	REVIEWER  OUALITY CONTROL AND REVIEW GROUP  REPRESENTATIVE	FIELD ACTIVITY REPRESENTATIVE  OFFICE ACTIVITY REPRESENTATIVE	PHOTO FIELD PARTY  HYDROGRAPHIC PARTY  GEODETIC PARTY  OTHER (Specify)	NAME

NOAA FORM 76-40 (8-74)

SUPERSEDES NOAA FORM 76-40 (2-71) WHICH IS OBSOLETE, AND EXISTING STOCK SHOULD BE DESTROYED UPON RECEIPT OF REVISION.

☆ U.S.GPO:1975-0-665-080/1155

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Charted as "Aero Beacon on 3/7/82	Tower	ī.	Brookley	=	××	30 37 37. 88 04 06.	ε
Creek Junction   Cree	Tank	Charted as "Ae Tank" for Brool	ro Beacon on kley Airport.	82 <u>B(P) 4169</u> 3/7/82	X Y	30 38 88 04	Aerotriangulate
West on Dog River and Rabbit	Stack	On McDuffie Is]			X	30 39 88 02	Manually Digitized
Note objects have not been inspected from seaward to determine their value as landmarks.   X	Tank	West on Dog Riv Creek junction	rer		X	30 35 88 08	Aerotriangulate
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BY Edward D. Allen 3/84 LISTING CHECKED BY Robert W. Rodkey Jr.	The	have	peen	seaward		ı	
	<b>3</b>	D.		<b>DATE</b> 3/84	CHECKED   Robert W.	ey Jr.	DATE 3/84

#### NAUTICAL CHART DIVISION

### 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 now from recommendations made under "Commendations with Charts" is all the commendations.

CHART	DATE	CARTOGRAPHER	REMARKS
*			Full Part Before After Verification Review Inspection Signed Via
			Drawing No.
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