

TP-00930

TP-00930

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 edited	
Map No. TP-00930	Edition No. 1
Job No. CM-8003	
Map Classification Class III (Final)	
Type of Survey Shoreline Mapping	
LOCALITY	
State Alabama	
General Locality Dauphin Island	
Locality Dauphin Island - East	
1981 1982 1982	
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, Maryland		SURVEY TP- <u>00930</u> MAP EDITION NO. (1) MAP CLASS III JOB CM -8003	
OFFICER-IN-CHARGE Lawrence 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 - 5/20/82 AEROTRIANGULATION - 6/18/81		FIELD - 12/22/80 FIELD (Change No. 1) - 3/23/81	
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 METHOD: Analytic LANDMARKS AND AIDS BY		L. Harrod	9/81
2. CONTROL AND BRIDGE POINTS PLOTTED BY METHOD: Coradomat CHECKED BY		L. Harrod	9/81
3. STEREOSCOPIC INSTRUMENT PLANIMETRY BY COMPILATION CHECKED BY		L. Harrod	10/81
INSTRUMENT: NOSAP SCALE: 1:20,000		J. Schad	6/82
4. MANUSCRIPT DELINEATION PLANIMETRY BY CHECKED BY		J. Schad / J. Moler	6/82, 10/82
METHOD: Smooth Drafted SCALE:		P. Dempsey	6/82, 10/82
HYDRO SUPPORT DATA BY CHECKED BY		N/A	N/A
5. OFFICE INSPECTION PRIOR TO FIELD EDIT BY		N/A	N/A
6. APPLICATION OF FIELD EDIT DATA BY		N/A	N/A
7. COMPILATION SECTION REVIEW BY		P. Dempsey	10/82
8. FINAL REVIEW BY		J. Taylor	5/83
9. DATA FORWARDED TO PHOTOGRAMMETRIC BRANCH BY		N/A	N/A
10. DATA EXAMINED IN PHOTOGRAMMETRIC BRANCH BY		J. Taylor	5/83
11. MAP REGISTERED - COASTAL SURVEY SECTION BY		G. S. M. de He	DEC 12 1983

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

TP-00930

COMPILATION SOURCES

1. COMPILATION PHOTOGRAPHY

CAMERA(S) Wild RC-10 "Z" focal length = 153.14 "B" focal length = 152.14		TYPES OF PHOTOGRAPHY LEGEND		TIME REFERENCE	
TIDE STAGE REFERENCE		(C) COLOR (P) PANCHROMATIC (I) INFRARED		ZONE Central	<input checked="" type="checkbox"/> STANDARD
<input checked="" type="checkbox"/> PREDICTED TIDES <input type="checkbox"/> REFERENCE STATION RECORDS <input checked="" type="checkbox"/> TIDE CONTROLLED PHOTOGRAPHY				MERIDIAN 90th	<input type="checkbox"/> DAYLIGHT
NUMBER AND TYPE	DATE	TIME	SCALE	STAGE OF TIDE	
81Z(P) 1596-1601	2/3/81	912	1:20,000	+0.25MLLW * +0.28 MLLW *	
81Z(P) 1642,1643	2/3/81	1021	1:40,000		
81Z(P) 1659-1661	2/3/81	1112	1:60,000		
81Z(I) 3182R-3185R	3/6/81	1027	1:40,000		
81Z(I) 3194R-3196R	3/6/81	1040	1:40,000		
82B(P) 4160-4162	3/7/82	1026	1:50,000	+0.8 MLLW **	
82B(I) 4335R-4337R	3/8/82	1153 1153	1:50,000		

REMARKS

* = Tide coordinated - Gulf Shores Municipal Peir gage

** = Based on predicted tides - Fort Gaines tide gage site(Subordinate Sta)

2. SOURCE OF MEAN HIGH-WATER LINE:

The source of the MHW line is the panchromatic photographs listed ~~XXXX~~ under Item 1. above.

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

The source of the MLLW line is the infrared photographs listed above under Item 1.

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
N/A	TP-00931	N/A	TP-00929

REMARKS

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

TP-00930

HISTORY OF FIELD OPERATIONS

I. ☒ FIELD ~~NAUTICAL~~ OPERATION (1981)☐ FIELD EDIT OPERATION

OPERATION	NAME	DATE
1. CHIEF OF FIELD PARTY	L.H. Davis	2/81
2. HORIZONTAL CONTROL	RECOVERED BY J. M. Koster	2/81
	ESTABLISHED BY "	2/81
	PRE-MARKED OR IDENTIFIED BY "	2/81
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 type="checkbox"/> NO INVESTIGATION	N/A
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

Premarked(panel ed)

2. VERTICAL CONTROL IDENTIFIED

N/A

PHOTO NUMBER	STATION NAME	PHOTO NUMBER	STATION DESIGNATION
81ZP1598	21D-IV C07E, 1980		
81ZP1640	21D-2C C07E, Sub Sta A		
81ZP1642	Fort Morgan, Sub Sta A		
81ZP1626	21D-IL C of E, Sub Sta A		

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)

CSI Cards (NOAA form 76-53)

Tide Level Book (NOAA form 77-53)

Field Notebook - computation and listings of project materials

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

TP-00930

RECORD OF SURVEY USE

I. MANUSCRIPT COPIES

COMPILATION STAGES			DATE MANUSCRIPT FORWARDED	
DATA COMPILED	DATE	REMARKS	MARINE CHARTS	HYDRO SUPPORT
Final reviewed map	5/83	Class III	8/26/83	

II. LANDMARKS AND AIDS TO NAVIGATION

1. REPORTS TO MARINE CHART DIVISION, NAUTICAL DATA BRANCH

NUMBER	CHART LETTER NUMBER ASSIGNED	DATE FORWARDED	REMARKS
14	# 695	8/26/83	Four pages NOAA Form 76-40c

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

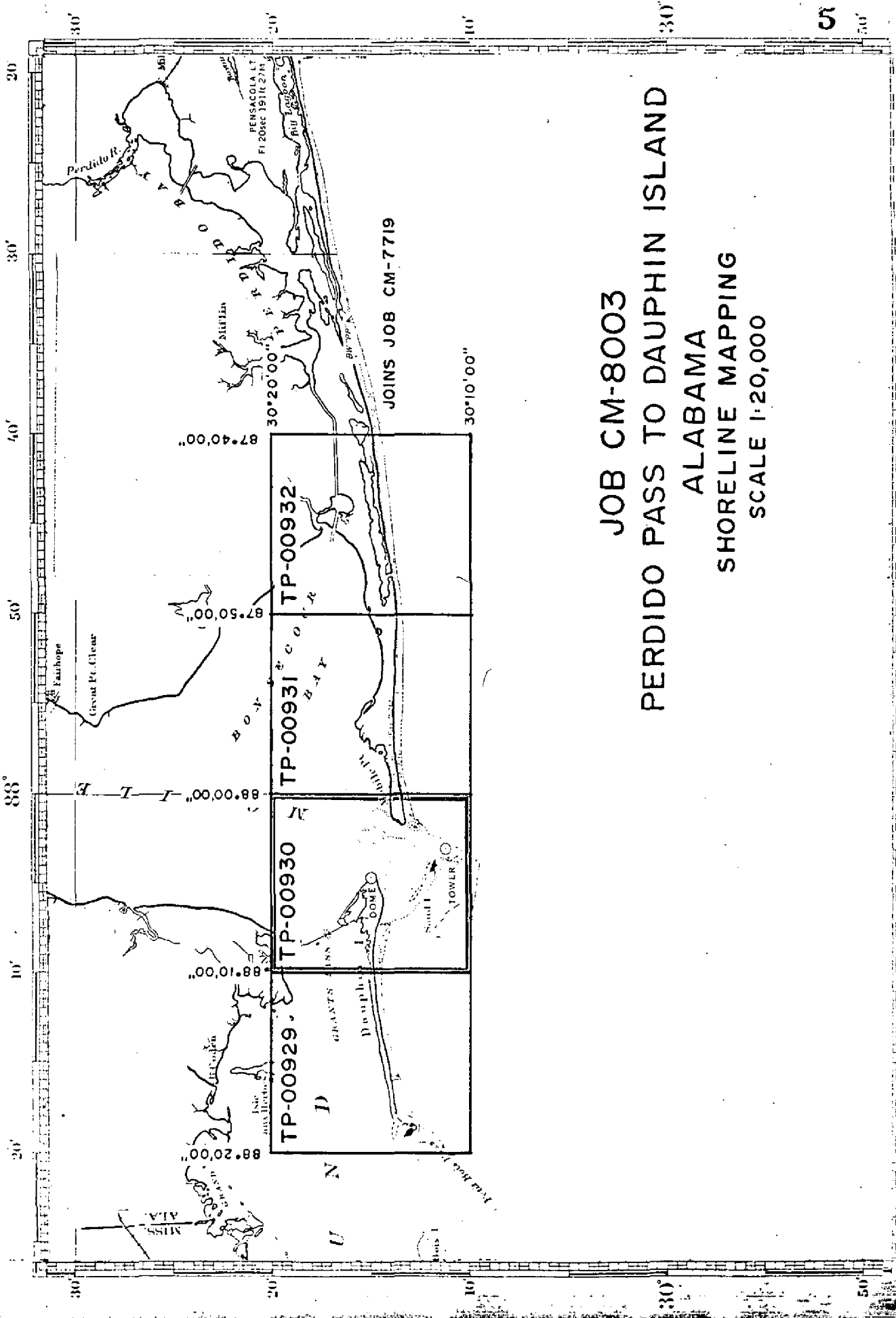
III. FEDERAL RECORDS CENTER DATA

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: NOVEMBER 1983

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-8003

PERDIDO PASS TO DAUPHIN ISLAND

ALABAMA

SHORELINE MAPPING

SCALE 1:20,000

Summary TP-00930

This 1:20,000 scale map is one of four maps that comprise shoreline mapping project CM-8003, Perdido Pass to Dauphin Island, Alabama. This map features a portion of the eastern part of Dauphin Island.

The purpose of the map is to provide data for use in the production and maintenance of nautical charts.

This Class III map is based on aerotriangulation that meets the requirements for the National Standards of Map Accuracy and office interpretation of aerial photographs.

Field work prior to compilation was accomplished during February 1981 and April 1982. This work was necessary to establish horizontal control by the field identification methods specified to meet aerotriangulation requirements and to secure tide-coordinated MLLW infrared photography.

Panchromatic and infrared photographs were used in the production of this map. Dates of both types of photography are 1981 and 1982. The 1981 photographs provided shoreline coverage south of latitude $30^{\circ}17'15''$, the 1982 photographs above this latitude. Panchromatic photographs were required for aerotriangulation and were taken at various scales. Infrared photography was secured for MLLW delineation. The 1981 infrared photography was at 1:40,000 scale and tide-coordinated, the 1982 infrared photography was based on the predicted tide stage and at 1:50,000 scale.

Compilation and final review operations were performed at the Rockville Office. Compilation was performed by the Coastal Mapping Unit (N/CG2323), final review by the Quality Control Unit (N/CG2321).

This Descriptive Report contains all pertinent reports and listings of data required to compile this map. The 1982 photographs were obtained under Job CM-8103, an adjoining shoreline mapping project north of Job CM-8003. Field records and other pertinent data associated with the 1982 photographs will be used and archived under Job CM-8103.

A final Chart Maintenance Print was prepared highlighting differences noted between this map and the nautical charts described in this Descriptive Report. This print was submitted to the Nautical Chart Branch.

Field Operations

Field work accomplished consisted of aerial photography, tide observations, and the recovery, establishment, and identification of horizontal control required for aerotriangulation. There was no field inspection performed.

Photogrammetric Plot Report
Perdido Pass to Dauphin Island, Alabama
CM-8003

September 1981

21. Area Covered

The area covered by this report is in the vicinity of the entrance to Mobile Bay-Dauphin Island eastward to Perdido Pass. It is covered by four 1:20,000 scale manuscripts, TP-00929 through TP-00932.

22. Method

Four strips of various scale photography were bridged by analytic aerotriangulation methods and adjusted to ground on The Alabama State Plane Coordinate System, Alabama West Zone. Panned control was provided. Aids and landmarks were located on bridging photography. Ratio values were determined for the 1:40,000 MLLW and MHW infrared photography. Ruling of manuscript and plotting of points were done on the Coradimat Plotter.

23. Adequacy of Control

The horizontal control provided proved to be adequate. The panned sub point for Dauphin Island West Base, 1847 was off approximately 25 feet in the X direction. No reason could be determined. All other control held within the accuracy standards required.


24. Supplemental Data

None was used.

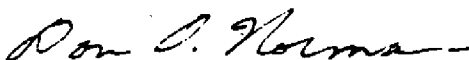
25. Photography

The coverage and quality of the photography proved adequate for the project. The northern most areas of sheet TP-00930 and TP-00932 were not covered by this photography. It is believed that this area will be done in the future.

Submitted by,


Lloyd W. Harrod, Jr.

Approved and Forwarded:



Don O. Norman
Chief, Aerotriangulation Section

Perdido Pass to Dauphin Island, Alabama
CM-8003

Fit to Control - X and Y in Feet

Strip I

			<u>X</u>	<u>Y</u>
▲ 1.	Dauphin 1935 Sub pt. 1	(607101)	-1.137	-.618
	Sub pt. 2	(607102)	-1.343	.568
▲ 2.	Dauphin 1935 - Panel	(608101)	1.409	.934
	3. Dauphin Island West Base-Panel	(614101)	25.436	3.847
▲ 4.	21D-IS C.O.E. 1980-Marked Direct	(616100)	-.352	-.401
	5. 21D-IQ C.O.E. 1979-Panel	(621101)	.334	-.971
▲ 6.	21D-IL C.O.E. 1980-Panel	(626101)	.081	.085

Strip 2

▲ 5.	21D-IQ C.O.E. 1979-Panel	(621101)	-.000	.000
	6. 21D-IL C.O.E. 1980-Panel	(626101)	.056	.800
▲ 7.	21D-IV C.O.E.-Marked Direct 1980	(598100)	.000	.000
▲ 8.	21D-2C 1980-Panel	(640101)	.000	.000

Strip 3 A

▲	640801-Tie From Strip 2		1.075	-.073
▲	640802-Tie From Strip 2		-.216	.310
▲	640803-Tie From Strip 2		.074	-.307
	640804-Tie From Strip 2		2.613	-3.652
	640805-Tie From Strip 2		.076	-.362
▲	8. 21D-2C 1980-Panel	(640101)	-.938	.066
	9. Sand Island Lighthouse, 1930	(641118)	-1.456	2.014

Strip 3 B

▲ 10. Fort Morgan ECC. 1981-Panel	(642101)	-.457	.063
▲ 11. H-61-03-AL 1981-Marked Direct	(643100)	.598	-.046
▲ 12. Bank 1918-40-Panel	(648101)	.362	-.144
▲ 13. Sylvia 1934-Marked Direct	(650100)	-.831	.071
▲ 14. Higdon 1934-Panel	(653101)	.330	.055

Strip 4

▲ 659105-Tie From Strip 2	(598501)	.000	.000
8. 21D-2C 1980-Panel	(640101)	-.399	-2.044
Sand Island Lighthouse 1930	(641118)	-.483	-2.041
▲ Fort Morgan ECC. 1981	(642101)	-.000	.000
▲ Stations held in the Strip Adjustments			

Pardido Pass to Dauphin Island, Alabama

CM-8003

September 1981

Ratio values for 1:40,000 scale black-and-white infrared photography.

MLLW

81Z(R) 3196-3205	X2.02
3193-3195	X2.03
3183-3190	X2.02

MHW

81Z(R) 3547-3549	X1.98
3551-3560	X2.00
3536-3544	X2.00

Ratio values for black-and-white bridging photography.

1:10,000 scale

81ZP 1606-1627	X0.50
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1:20,000 scale

81ZP 1594-1601	X0.97
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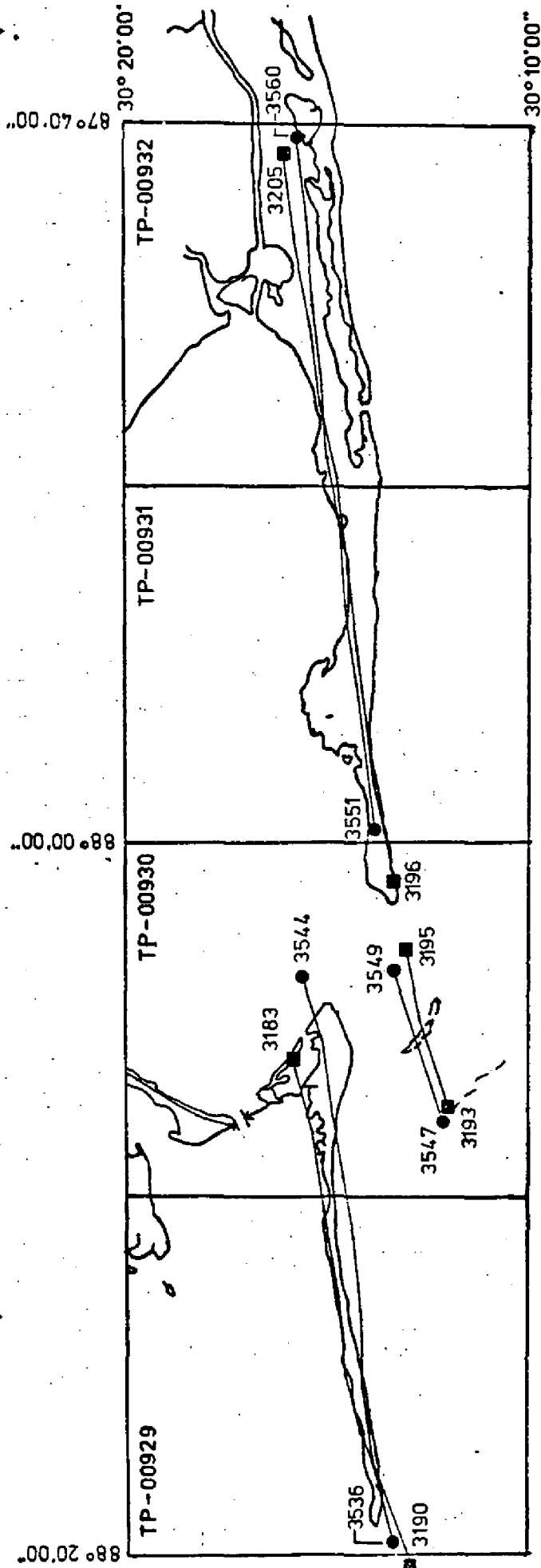
1:40,000 scale

81ZP 1639-1641	X1.96
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81ZP 1642-1653	X1.96
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1:60,000 scale

81ZP 1659-1661	X2.67
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JOB CM-8003

ALABAMA

PERDIDO PASS TO DAUPHIN ISLAND

SHORELINE MAPPING

SCALE 1:20,000

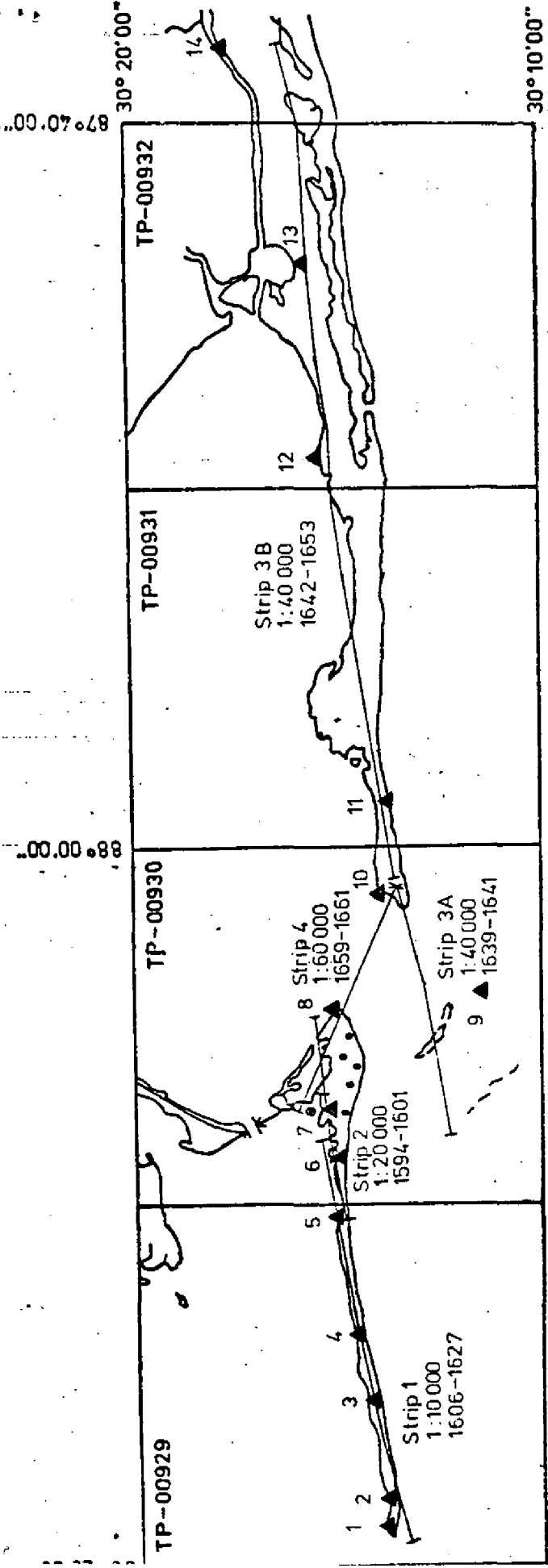
RATIO PHOTOGRAPHY 81ZR

1:40,000

LEGEND

● MHW

■ MLLW



JOB CM-8003
ALABAMA
PERDIDO PASS TO DAUPHIN ISLAND
SHORELINE MAPPING
SCALE 1:20,000

BRIDGING PHOTOGRAPHY 81 ZP

- LEGEND
- ▲ TRIANGULATION
 - LIGHT
 - TIE POINT

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 aero-triangulation 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
Chief, Aerotriangulation Section

Submitted by:



Brian Thornton
Cartographer



1:50,000 SCALE

KEY TO NUMBERED INDEX

- 2 - 147101, 147102 (SILCO, 1942)
28 - 153101, 153102 (HAGEN, 1935)
98 - 156101, 156102 (Fowl RMY, 1935)
46 - 159101, 159102 (MAN LOUIS, 1930)
133 - 202101, 202102 (KAISER, 1959)
40 - 207101, 207102 (MACK, 1934)
94 - 210101, 210102 (Fair Hope Muni. Water Tank, 1938)
23 - 213101, 213102 (MO 263 ALGS, 1938)
19 - 216101, 216102 (DIXON, 1938)
6 - 219101, 219102 (M. nettle, 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

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 Sub. pt. 2	216101 216102	-0.100 -1.790
			-0.207 -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

DESCRIPTIVE REPORT CONTROL RECORD

MAP NO. TP-00930	JOB NO. CM-8003	STATION NAME	SOURCE OF INFORMATION (Index)	AEROTRI- ANGULATION POINT NUMBER	GEODETTIC DATUM N/A? 1927		ORIGINATING ACTIVITY Compilation		REMARKS
					STATE Alabama ZONE West	COORDINATES IN FEET X Y	GEOGRAPHIC POSITION φ LATITUDE λ LONGITUDE		
21D-IVCOE, 1980				598100		X= 303,747.772 Y= 92,492.513	φ λ		
Dauphin Island Water Tank, 1956			Quad 300882 1103	14		X= 306,620.00 Y= 92,643.38	φ 30° 15' 11.952" λ 88° 06' 44.901"		
Dauphin Island S Bell Tel & Tel Micro Mast, 1960			Quad 300882 1102	16		X= 315,040.31 Y= 92,253.28	φ 30° 15' 08.537" λ 88° 05' 08.874"		
Dauphin Island USAF East Radar Dome, 1960			Quad 300882 1104	17		X= 317,369.47 Y= 91,342.10	φ 30° 14' 59.635" λ 88° 04' 42.266"		
21D-2CCOE, 1980				48		X= 318,297.881 Y= 91,173.600	φ λ		
Sand Island Lighthouse, 1930			Quad 300882 1062	18		X= 326,033.21 Y= 68,588.32	φ 30° 11' 14.826" λ 88° 03' 02.236"		
Fort Morgan, 1846				19		X= 334,749.600 Y= 83,417.230	φ λ		
						X= Y=	φ λ		
						X= Y=	φ λ		
						X= Y=	φ λ		
						X= Y=	φ λ		
COMPUTED BY						COMPUTATION CHECKED BY		DATE	
LISTED BY J. Schad				DATE 6/82		LISTING CHECKED BY P. Dempsey		DATE 9/82	
HAND PLOTTING BY				DATE		HAND PLOTTING CHECKED BY		DATE	

Compilation Report
TP-00930

31. Delineation

This map was compiled using instrument and graphic methods. The shore-line, coastal structures, and interior details were compiled using the NOS Analytical Plotter(NOSAP) instrument and panchromatic photographs. The approximate MLLW line was compiled graphically using ratio prints of the infrared photographs. Graphic compilation was controlled holding to local detail compiled using instrument methods. Coverage of the 1981 photographs does not extend north of Dauphin Island.

32. Control

See the Aerotriangulation Report for the adequacy of horizontal control. Vertical control was taken from USGS quads.

33. Supplemental Data - None

34. Contours and Drainage

Contours are not applicable. Drainage was compiled from the panchromatic photographs, supplement by use of the infrared photographs.

35. Shoreline and Alongshore Details

The shoreline and alongshore details are based on interpretation of the panchromatic photographs. The approximate MLLW line was delineated from the black-and-white infrared photographs.

There was not a field inspection of the shoreline performed.

36. Offshore Details

There were no unusual problems encountered in compiling offshore detail. This detail has not been field inspected.

37. Landmarks and Aids

One charted landmark was identified and photogrammetrically located. Three map features possibly having landmark value were also located; two tanks and a tower. Fixed aids shown on this manuscript have been located and positioned using the NOSAP instrument.

38. Control for Future Surveys - None

39. Junctions

This map junctions with TP-00929 to the west and TP-00930 to the east. There is no contemporary survey to the south. Maps from Job CM-8103 will be compiled at a later date and will junction this map to the north.

40. through 45. - Not applicable

46. Comparison with Existing Maps

A comparison was made to the following USGS Quadrangles:


Little Dauphin Island, Ala., 1:24,000 scale, 1958 edition
Fort Morgan, Ala., 1:24,000 scale, 1958 edition

47. Comparison with Nautical Charts

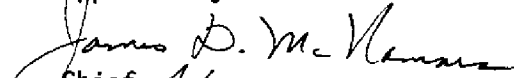
A comparison was made to the following NOS nautical charts:

Chart 11376, scale 1:80,000, 35th edition dated 9/12/81
Chart 11378, scale 1:40,000, 17th edition dated 9/26/81

Submitted by


for James Schadt

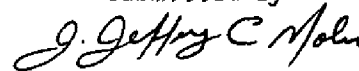
Approved by


Chief, Atty.
Coastal Mapping Unit

Addendum to Compilation Report

The area north of Dauphin Island was compiled using 1982 panchromatic and infrared photographs obtained for Job CM-8103. Delineation of detail in this area was by stereo and graphic compilation methods. Planimetric detail was compiled using the NOSAP instrument and panchromatic photographs. The identification, density, and placement of aerotriangulated control was adequate. Refer to the Photogrammetric Plot Report for Job CM-8103 bound with this Descriptive Report. The approximate MLLW line was compiled graphically using ratio prints of the infrared photographs. The 1982 infrared photographs were exposed based on the predicted MLLW tidal stage at the Fort Gaines tide gage.

Submitted by



Jeff Moler

Review Report
TP-00930

61. General Statement

Refer to the Summary bound with this Descriptive Report for additional information.

62. Comparison with Registered Topographic Surveys - None

63. Comparison with other maps of other Agencies

Refer to paragraph 46. of the Compilation Report bound with this Descriptive Report.

64. Comparison with Contemporary Hydrographic Surveys - None

65. Comparison with Nautical Charts

Refer to paragraph 47. of the Compilation Report bound with this Descriptive Report.

66. Adequacy of Results and Future Surveys

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

67. Shoreline/MLLW Line

The shoreline is classified as apparent, man-made, or mean high water by office interpretation of the panchromatic aerial photographs. The approximate mean lower low water line was compiled graphically from infrared ratio photographs holding to the local detail compiled using stereo instrument methods.

Submitted by:

James Taylor
James Taylor

Approved and Forwarded:

George M. Ball
George M. Ball
Chief, Photogrammetric Section

John W. Fritz
Lawrence W. Fritz
Chief, Photogrammetry Branch

GEOGRAPHIC NAMES

FINAL NAME SHEET

CM-8003 (Perdido Pass to Dauphin Island, Alabama)

TP-00930

Alligator Lake

Barry Point

Bayou Aloe

Cedar Point

Chugae Point

Confederate Pass

Dauphin Island

Dauphin Island (P.p1)

Dauphin Island Bay

Fort Gaines

Fort Morgan

Grants Pass

Graveline Bay

Gulf of Mexico

Heron Bay

Heron Bayou (1)

Heron Bayou (2)

Hudson Bay

Indian Bay

Lafitte Bay

Little Dauphin Island

Mississippi Sound

Mobile Bay

Mobile Point

North Point

Oro Point

Pass aux Herons

Pass Drury

Pelican Bay

Pelican Passage

Pelican Point

Point Isabel

Sand Island

Spring Bayou

Woods Bayou

Approved by:

Charles E. Harrington
Charles E. Harrington
Chief Geographer, N/CG2x5

DISSEMINATION OF PROJECT MATERIAL
CM-8003
PERDIDO PASS TO DAUPHIN ISLAND, ALABAMA

NATIONAL ARCHIVES/FEDERAL RECORD CENTER

Brown Jacket

Computer Printout
Tide Data Records
NOAA Forms (76-40)
Field Notebook: Containing Horizontal Observation/
Computations, Recovery Note &
CSI Cards
Photographic Flight Report
Aerotriangulation Forms (76-41)
Aerotriangulation Plot Reports (Duplicate)

Project Completion Report

BUREAU ARCHIVES

Registration Copy of Maps
Descriptive Report of Maps

REPRODUCTION DIVISION

8X Reduction Negative of Maps

OFFICE OF STAFF GEOGRAPHER

Geographic Names Standard

RESPONSIBLE PERSONNEL		NAME		ORIGINATOR	
TYPE OF ACTION					
OBJECTS INSPECTED FROM SEAWARD		30 T2	00 04	00 03	00 03
POSITIONS DETERMINED AND/OR VERIFIED		00 03	00 03	00 03	00 03
FORMS ORIGINATED BY QUALITY CONTROL AND REVIEW GROUP AND FINAL REVIEW					
ACTIVITIES		30 T2	00 05	00 05	00 05
INSTRUCTIONS FOR ENTRIES UNDER METHOD AND DATE OF LOCATION* (Consult Photogrammetric Instructions No. 64, 3-2-75, 01-1-76)					
OFFICE IDENTIFIED AND LOCATED OBJECTS		30 T2	00 05	00 05	00 05
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		30 T3	00 05	00 05	00 05
FIELD		30 T3	00 05	00 05	00 05
1. NEW POSITION DETERMINED OR VERIFIED		30 T3	00 05	00 05	00 05
Enter the applicable data by symbols as follows: F - Field L - Located V - Verified 1 - Triangulation 2 - Traverse 3 - Intersection 4 - Resection		30 T3	00 05	00 05	00 05
A. Field positions* require entry of method of location and date of field work. EXAMPLE: F-2-6-L 8-12-75		30 T3	00 05	00 05	00 05
*FIELD POSITIONS are determined by field observations based entirely upon ground survey methods.		30 T3	00 05	00 05	00 05
11. TRIANGULATION STATION RECOVERED		30 T3	00 05	00 05	00 05
When a landmark of aid which is also a triangulation station is recovered, enter 'Triang.' with date of recovery. EXAMPLE: Triang. Rec. 8-12-75		30 T3	00 05	00 05	00 05
111. POSITION VERIFIED VISUALLY ON PHOTOGRAPH		30 T3	00 05	00 05	00 05
Enter 'V-Vis.' and date. EXAMPLE: V-Vis. 8-12-75		30 T3	00 05	00 05	00 05
**PHOTOGRAMMETRIC FIELD POSITIONS are dependent entirely, or in part, upon control established by photogrammetric methods.		30 T3	00 05	00 05	00 05

RESPONSIBLE PERSONNEL		NAME		ORIGINATOR	
TYPE OF ACTION		NAME		ORIGINATOR	
OBJECTS INSPECTED FROM SEAWARD		8-12-75		8-12-75	
POSITIONS DETERMINED AND/OR VERIFIED		8-12-75		8-12-75	
FORMS ORIGINATED BY QUALITY CONTROL AND REVIEW GROUP AND FINAL REVIEW		8-12-75		8-12-75	
ACTIVITIES		8-12-75		8-12-75	
INSTRUCTIONS FOR ENTRIES UNDER METHOD AND DATE OF LOCATION					
(Consult Photogrammetric Instructions No. 64)					
OFFICE IDENTIFIED AND LOCATED OBJECTS		FIELD (Cont'd)			
Enter the number and date (including month, day, and year) of the photograph used to identify and locate the object.		Enter the number and date (including month, day, and year) of the photograph used to identify and locate the object.			
EXAMPLE: 75E(C)6042		EXAMPLE: P-8-V			
8-12-75		8-12-75			
FIELD		FIELD			
I. NEW POSITION DETERMINED OR VERIFIED		II. TRIANGULATION STATION RECOVERED			
Enter the applicable data by symbols as follows:		When a triangulation station is recovered, enter 'Triang. Rec.' with date of recovery.			
F - Field		EXAMPLE: Triang. Rec.			
L - Located		8-12-75			
V - Verified		8-12-75			
1 - Triangulation		8-12-75			
2 - Traverse		8-12-75			
3 - Intersection		8-12-75			
4 - Resection		8-12-75			
A. Field positions* require entry of method of location and date of field work.		B. PHOTOGRAMMETRIC FIELD POSITIONS are dependent entirely, or in part, upon control established by photogrammetric methods.			
EXAMPLE: F-2-6-L		EXAMPLE: V-Vis.			
8-12-75		8-12-75			

NOAA FORM 76-40
(8-74)

Replaces C&GS Form 367.

☒ TO BE CHARTED
☐ TO BE REVISED
☐ TO BE DELETED

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NONFLOATING AIDS OR LANDMARKS FOR CHARTS

ORIGINATING ACTIVITY

☐ HYDROGRAPHIC PARTY
☐ GEODETIC PARTY
☐ PHOTO FIELD PARTY
☒ COMPILATION ACTIVITY
☐ FINAL REVIEWER
☐ QUALITY CONTROL & REVIEW GRP.
☐ COAST PILOT BRANCH

(See reverse for responsible personnel)

REPORTING UNIT
(Field Party, Ship or Office)

Rockville, Md.

STATE

Alabama

LOCALITY

Mobile Bay

DATE

11/82

OPR PROJECT NO.

JOB NUMBER

CM-8003

SURVEY NUMBER

TP=00930

DATUM

NA 1927

DESCRIPTION
(Record reason for deletion of landmark or aid to navigation.
Show triangulation station names, where applicable, in parentheses)

MISSISSIPPI SOUND
Bayou Atoe

POSITION

LATITUDE		LONGITUDE	
°	'	°	'
30	15	88	06
30	17	88	07
30	17	88	07
30	16	88	08

METHOD AND DATE OF LOCATION
(See instructions on reverse side)

OFFICE	FIELD
81ZP1598 2/3/81	
82BP4161 3/7/82	
82BP4161 3/7/82	
82BP4162 3/7/82	

CHARTING NAME

Dybn 10

Light

Light

Light

CHARTS AFFECTED

11376
11378

"

"

"

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
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 **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.	

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 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 8-12-75 IT340 IT340 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.

