NOAA FORM 76-35 (6-80)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEY

# DESCRIPTIVE REPORT

ו	LOOKII IIIL	ILLI OILLI
THIS	MAP EDITION WILL NOT	BE FIELD EDITED.
Map No.		Edition No.
<u> </u>	TP-01196	1
Job No.		
<u> </u>	CM-8208	
Map Classi	fication	
	CLASS III (FINAL)	
Type of Sur	rvey SHORELINE	
	LOCALITY	<u> </u>
State		
1	TEXAS	
General Lo	cality	
	SAN ANTONIO BAY TO COR	PUS CHRISTI BAY
Locality		
<u></u>	BLACKJACK PENINSULA	
	19 82 TO 19	
	REGISTERED IN A	RCHIVES
DATE		

NOAA FORM 76-36A (3-72) U. S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMIN.	TYPE OF SURVEY	SURVEY 7	р. 01196
	🔼 ORIGINAL	MAP EDITIO	ον νο. ( <u>1</u> .)
DESCRIPTIVE REPORT - DATA RECORD	RESURVEY	MAP CLASS	III (Final)
	REVISED	JOB #	HCM-8208
PHOTOGRAMMETRIC OFFICE	<u> </u>	<del></del>	
Coastal Mapping Unit	LAST PRECEED TYPE OF SURVEY		TON
Atlantic Marine Center, Norfolk, VA	ORIGINAL	MAP CLASS	
OFFICER-IN-CHARGE	RESURVEY	SURVEY DA	
A V Princen CDP	REVISED	19TO 19	
A. Y. Bryson, CDR I. INSTRUCTIONS DATED	<u> </u>		
1. OFFICE	2.	FIELD	
Aerotriangulation July 8, 1985	Control	March	9, 1983
Compilation October 28, 1985			,
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	1		
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II. DATUMS	<u> </u>		
I. HORIZONTAL: XX 1927 NORTH AMERICAN	OTHER (Specify)		
I HOMEON THE MENT AND THE MENT	OTHER (Specify)		
MAMEAN HIGH-WATER	OTHER (Specify)		
2. VERTICAL: MEAN LOW-WATER  XXMEAN LOWER LOW-WATER	ļ		
MEAN SEA LEVEL	1		
3. MAP PROJECTION	4.	GRID(S)	
Timbert Costs of Costs of Costs	STATE	ZONE	
Lambert Conformal Conic Projection  5. SCALE	Texas	ZONE	tn
1:20,000	31716	ZONE	ı
III. HISTORY OF OFFICE OPERATIONS	<del></del>	- <del></del>	
OPERATIONS	NAME		DATE
1. AEROTRIANGULATION BY METHOD: Analytic Landmarks and alos by	J. Taylor	<u></u>	Sept 1985
	J. Taylor J. Taylor		Sept 1985 Sept 1985
2. CONTROL AND BRIDGE POINTS PLOTTED BY METHOD: Calcomp 718 CHECKED BY	D. Norman		Sept 1985
3. STEREOSCOPIC INSTRUMENT PLANIMETRY BY	P. Evans		Nov 1985
COMPILATION CHECKED BY	F. Mauldin/W. McL	emore	Nov 1985
INSTRUMENT: Wild B-8 CONTOURS BY	N.A		
SCALE: 1:20,000 CHECKED BY	N.A.		Doc 1005
4. MANUSCRIPT DELINEATION PLANIMETRY BY  CHECKED BY	P. Evans F. Mauldin	<u> </u>	Dec 1985 Feb 1986
Contours By	N.A.	<del></del>	100 1000
METHOD: SMOOTH Graited CHECKED BY	N.A.		
SCALE: 1:20,000 HYDRO SUPPORT DATA BY	P. Evans		Dec 1985
CHECKED BY	F. Mauldin		Feb 1986
5. OFFICE INSPECTION PRIOR TOXBREGARDAFINAL Reviewby	F. Mauldin		Feb 1986
6. APPLICATION OF FIELD EDIT DATA  CHECKED BY	N.A.		
7. COMPILATION SECTION REVIEW Class III BY	F. Mauldin	<del></del>	Feb 1986_
8. FINAL REVIEW Class III, Final BY	J. Hancock		Mar 1986_
9. DATA FORWARDED TO PHOTOGRAMMETRIC BRANCH BY	J. Hancock		Apr.1986
10. DATA EXAMINED IN PHOTOGRAMMETRIC BRANCH BY	P. Dempier	<u> </u>	May 1986
II. MAP REGISTERED - COASTAL SURVEY SECTION BY  NOAA FORM 78-36 A SUPERSEDES FORM C&GS 181 SERIES	THORAGE Tarty	!	avy 86
TOTAL STATE OF STATE	♥ U.S. G.P.	0. 1972-76	9382/582 REG.#

TP-01196

	COM	PILATION SOU	RCES		
1. COMPILATION PHOTOGRAPHY					
CAMERA(S) Wild R.C10(B), F.L. = Wild R.C. 10(C), F.L. =	= 152. 74 mm	TYPES OF PH LEG		TIME REFER	ENCE
TIDE STAGE REFERENCE  XXPREDICTED TIDES *  XXREFERENCE STATION RECORDS  TIDE CONTROLLED PHOTOGRAPI	**	(C) COLOR (P) PANCHROM (I) INFRARED		Central MERIDIAN 90th	XXSTANDARD
NUMBER AND TYPE	DATE	TIME	SCALE	STAGE OF T	IDE
82 B(C) 1070-1072 82 B(C) 1014-1018 82 B(C) 1050-1052 83 C(I) 0761-0765 83 C(I) 0793-0795	12,6,482 12-6-82 12-6-82 11-20-83 11-20-83	12:28 11:28 11:54 14:42 15:20	1:50,000 1:50,000 1:50,000 1:50,000 1:50,000	0.1 ft. below 0.1 ft. below	MLLW MLLW
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**Tidal stage at t **Tidal stages for the in reference station recon	nfrared photo			_	
2. SOURCE OF MEAN HIGH-WATER L					

The mean high water line was compiled primarily from office interpretation of the above listed color bridging/compilation photographs using stereo instrument methods. Tide coordinated MHW infrared photographs were used to graphically assist in the compilation of the mean high water line in portions of the bay area. ١

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

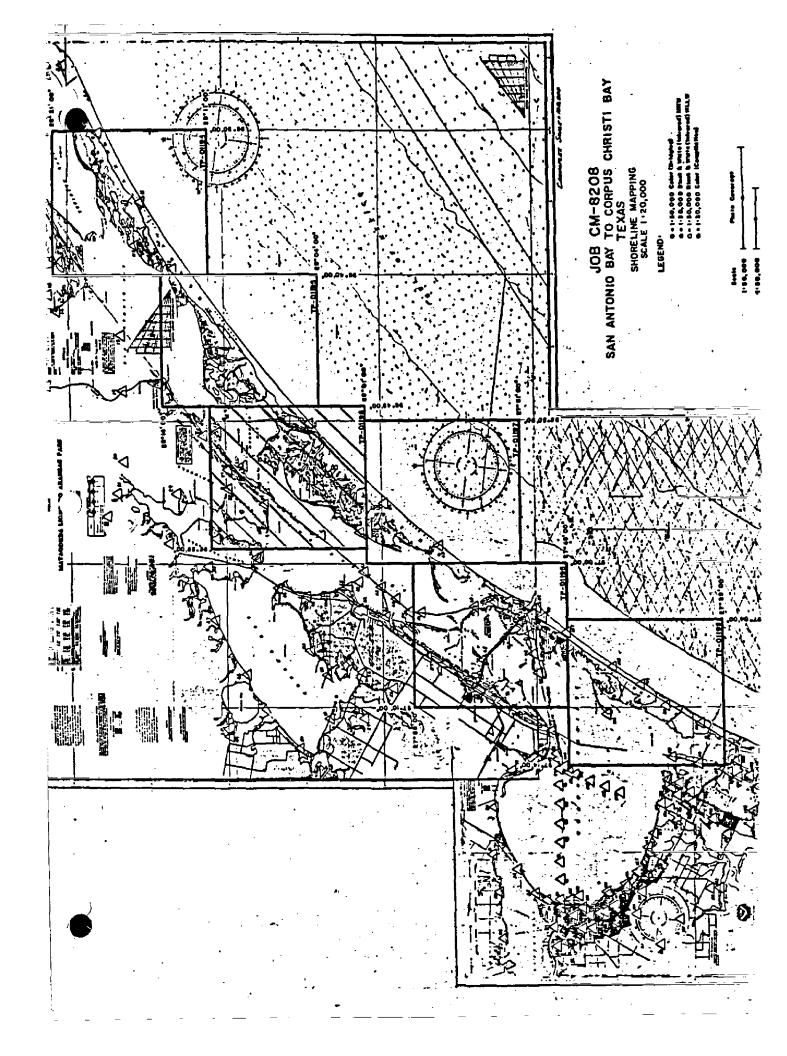
There was no mean lower low water line compiled on this project.

4. CONTEMPORARY HYDROGRAPHIC SURVEYS (List only those surveys that are sources for photogrammetric survey information.) SURVEY NUMBER DATE(\$) SURVEY COPY USED SURVEY NUMBER DATE(S) SURVEY COPY USED 5. FINAL JUNCTIONS EAST SOUTH WEST NORTH TP=01195 TP-01197 No Survey No survey REMARKS

NOAA FORM 76-360 3-72)	•	TP-01196 ^		NIC AND ATMOSPHER!	ENT OF COMMERCIC ADMINISTRATIC I'AL OCEAN SURVE
		HISTORY OF FIELD			<del></del>
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	OPE	ERATION	<u> </u>	AME	DATE
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		RECOVERED BY	R. Tibbetts P. Walbolt		Mar 1983 Mar 1983
. HORIZONTAL C	ONTROL	ESTABLISHED BY	P. Walbolt		Mar 1983
		PRE-MARKED OR IDENTIFIED BY	P. Walbolt		Mar 1983
		RECOVERED BY	N.A.		100
VERTICAL CON	TROL	ESTABLISHED BY	N.A.		
		PRE-MARKED OR IDENTIFIED BY	N.A.		
	RE	COVERED (Triengulation Stations) BY	None		
LANDMARKS AN		LOCATED (Field Methods) BY	None		
AIDS TO NAVIG	ATION	IDENTIFIED BY	None		<del></del>
		TYPE OF INVESTIGATION			ĺ
GEOGRAPHIC N INVESTIGATION		COMPLETE  SPECIFIC NAMES ONLY			
		NO INVESTIGATION			1
PHOTO INSPEC	TION	CLARIFICATION OF DETAILS BY	N-no		+
BOUNDARIES A	<del></del>	SURVEYED OR IDENTIFIED BY	None	<del></del>	<del> </del>
SOURCE DATA	NO LIMITS	JOHN ET ED ON TREMTITIED ST	None	<del> </del>	<del></del>
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12C (B) 101G	TOCK, I	934 (sub points A & B)	į		
32C(B)1015	нам. 19	34 (sub points A & B)	<b>}</b>		
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PHOTO NUMBER	RS (Clarification	on of details)	<del></del>		<del></del>
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	None				
LANDMARKS AN	D AIDS TO N	AVIGATION IDENTIFIED	······································		
	<b>N</b> 7				
	None				
HOTO NUMBER		OBJECT NAME	PHOTO NUMBER	OBJECT	NAME
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GEOGRAPHIC N	AMES: [	REPORT XX NONE	6. BOUNDARY AND	LIMITS: REPO	RT X NONE
SUPPLEMENTA	L MAPS AND	PLANS		<del></del>	
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OTHER RICLE	None	ALL COLORS NO. NO. NO. CO.	4.41.16.00.00		
		tch books, etc. DO NOT list data submit	itea to the Geodesy Di	vision)	
2 NOAA For		PROJECT DATA			
2 NOAA For		Field Report	£ En		
2 NOAA FOr	.ms /6-1/(	0 1 NOAA Form 70	5-52		

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NOAA FOI   (3-72)	RM 76-360	RECOI	NATIONAL OCEANIC TP-01196 RD OF SURVEY USE	U. S. DEPARTMEN AND ATMOSPHERIC	
I. MANUSC	RIPT COPIES			1	
<b></b> _		MPILATION STAGES			PT FORWARDED
<del> </del>	DATA COMPILED	DATE	REMARKS	None	HYDRO SUPPOR
Compil	ation Complete	Feb. 1986	Class III Manuscript		None
Final 1	Review	Mar. 1986	Final Class III Map	April 1986	April 1980
	<del></del>				
II. LANDA	ARKS AND AIDS TO NAVIGA	ATION	<u> </u>	<del></del>	<del></del>
I. REP	ORTS TO MARINE CHART D	IVISION, NAUTICAL	DATA BRANCH		
number (pages	CHART LETTER NUMBER ASSIGNED	DATE FORWARDED	REN	AARKS	
<u> </u>		April 1986	   Landmark for Charting		
1		April 1986	Aids to Navigation for	Charting	
<u> </u>	<u> </u>	<u> </u>			
_			PILOT BRANCH. DATE FORWARDED		
	RAL RECORDS CENTER DA		AERONAUTICAL DATA SECTION.	DATE FORWARDED:	
1. <u>X</u> 2	BRIDGING PHOTOGRAPHS;	XX DUPLICATE IFICATION CARDS; Geographic Names Re	BRIDGING REPORT;  /6~40xxcomput: /6~40xxcomput: //6~40xxcomput: //6~40xxcomput	Y FIELD PARTIES.	

3. 🖾 s	OURCE DATA (except to CCOUNT FOR EXCEPTI	r Geogra ONS:	phic Names Report) AS LISTE	D IN SECTION	II, NOAA F	ORM 76-3		_
			e completed each time a new					
	SURVEY NUMBER		JOB NUMBER	7	1	YPE OF	SURVEY	
SECOND	TP	(2)	PH	}	REV	ISED	RES	URVEY
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	SURVEY NUMBER		JOB NUMBER	<del></del>	T	YPE OF	SURVEY	
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	SURVEY NUMBER		JOB NUMBER	<del></del>		YPE OF	URVEY	
FOURTH	TP	(4)	PH		REV	ISEQ	□ RE50	JR V É Y
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## SUMMARY TO ACCOMPANY DESCRIPTIVE REPORT

#### TP-01196

This final Class III shoreline map is one of six maps that cover the Texas coastline and adjacent bay areas from San Antonio Bay to Corpus Christi Bay. The project maps, TP-01194 thru TP-01199, are 1:20,000 scale.

The purpose of this map is to provide current charting information for nautical chart maintenance and to furnish support data for hydrographic operations.

This Class III map portrays shoreline along the inner bay and outer coast for the major portion of San Jose Island.

Photo coverage for the project was 1:50,000 scale natural color and black-and-white tide coordinated infrared photographs. The color photographs required for aerotriangulation and instrument compilation were taken with the Wild RC-10 (B) camera on December 6, 1982. The infrared photographs required for graphic compilation and interpretation assistance were taken with the Wild RC-10 (C) camera on November 20, 1983 and March 9, 1984. The 1983 infrared photo coverage includes the five northern maps (TP-01194 thru TP-01198) and the stage of tide is within the MHW range. The 1984 infrared photos were flown to provide MHW coverage for TP-01199; however, these photographs were taken at approximately mean tide level. Consequently, the 1984 infrared photographs were used with discretion and in close comparison with the color photography. There was no MLLW tide coordinated infrared photography provided for the project.

Field work prior to compilation consisted of the recovery, establishment and photoidentification of horizontal control necessary for aerotriangulation. This activity was completed in March 1983. There was no field inspection of the shoreline.

Analytic aerotriangulation was adequately provided by the Washington Science Center in September 1985. This operation included ruling the base manuscripts, determining ratio values for the photographs and locating visible landmarks and navigational aids.

Compilation, based upon office interpretation of the 1:50,000 scale color photographs, was performed at the Coastal Mapping Unit, Atlantic Marine Center in February 1986. The 1983 tide coordinated infrared photographs were used to assist in interpretation and graphic compilation of the shoreline. Refer to the Compilation Report for specific use of this photography.

Final review for this final Class III was accomplished at the Atlantic Marine Center in March 1986. A Chart Maintenance Print was prepared and forwarded to the Marine Charts Branch. A Notes to Hydrographer print and related support data were prepared to assist in the currently scheduled hydrographic operations.

The Descriptive Report for this final shoreline map contains all pertinent information used to produce this map. The original base manuscript and related data were forwarded to the Washington Science Center for final registration.

#### FIELD INSPECTION

#### TP-01196

There was no field inspection prior to compilation. Field work accomplished was limited to the recovery and photoidentification of the horizontal control necessary for the aerotriangulation of the project.

#### PROJECT REPORT

CM-8208

#### SAN ANTONIO BAY TO COPRUS CHRISTI BAY

**TEXAS** 

#### PHOTO IDENTIFICATION

The project was performed in accordance with project instructions from the Rockville office dated March 9, 1983.

Two sub-stations were photo identified for a station in each of the circled areas on the project diagram, except circle number 1 where the station was lost. Permission was granted by Chief, Field Surveys Section, AMC, to establish a new position in the circled area, from station MOSQUITO POINT 1859, using Solar Azimuth. MOSQUITO POINT was also photo identified as an extra station, this station is on the end of the flight line and if used, it would be necessary to bridge two or three more models.

The position of sub points has been computed and abstracted and are included with this report.

Submitted:

Robert S. Tibbetts.

# AEROTRIANGULATION REPORT CM-8208 San Antonio Bay to Corpus Christi Bay, Texas September 3, 1985

#### 21. Area Covered

The area covered by this report is in the Gulf of Mexico from San Antonio Bay to Corpus Christi Bay. It is covered by six 1:20,000 scale manuscripts, TP-01194 through TP-01199.

#### 22. Method

Four strips of 1:50,000 scale color photographs were bridged by analytic aerotriangulation methods. This project was measured using the new APP software and the NOSAP (National Ocean Service Analytical Plotter). This is the first production project to utilize the APP software. Three holes were drilled on each frame and identified as 310, 320, or 330 points. This will give the compiler at least six points to control the stereomodels. Additional points were measured in each model with the automated sequential numbering system to boost the geometry of the bridge. These points were discarded after the adjustment to ground with the giant program. The entire project was adjusted as a block.

Fixed aids to navigation and landmarks were located and measured. Ratio values were determined for the bridging photographs and the black-and-white infrared MHW photographs. The manuscripts were plotted on the Calcomp 718 plotter using the Texas State Plane Coordinate System, South Zone.

### 23. Adequacy of Control

The horizontal control provided was adequate for the block. Ties were made between all strips. The aerotriangulation of this project will meet the National Ocean Service requirements for map manuscripts.

## 24. Supplemental Data

Vertical Control was taken from USGS quads.

#### 25. Photography

The coverage, overlap, and quality of the photographs proved adequate for the job.

Submitted by:

Approved and Forwarded:

Don O. Norman Chief, Aerotriangulation Unit

Fit to Control
CM-8208
San Antonio Bay to Corpus Christi Bay, Texas
September 3, 1985

## Held in Block Adjustment

STATION NAME	•	POINT NO.	VALUES	IN FEET
			^	ĭ
BMQ 594, 1983				
Sub. Pt.		11101 11102	0.0	0.0 0.0
Sub. Pt. Sub. Pt.		11103	0.0	0.0
SAL, 1977				
Sub. Pt.		59101	0.0	0.0
Sub. Pt.	В	59102	0.0	0.0
GREEK, 1911				
Sub. Pt.		65101 65102	0.0 0.0	0.0 0.0
Sub. Pt.	5	03105	0.0	0.0
SNAKE, 1911		•		
Sub. Pt. Sub. Pt.		69101 69102	0.0 0.0	0.0 0.0
		03201		
HAM, 1934	·			
Sub. Pt.	A	51101	0.0	0.0
Sub. Pt.	В	51102	0.0	0.0
LUCK, 1934				
Sub. Pt.		74101 74102	0.0 0.0	0.0
Sub. Pt.	В	74102	0.0	0.0
KNOLL, 1934				•
Sub. Pt.		25101 25102	0.0 0.0	0.0 0.0
Sub. Pt.	D	53105	0.0	•••

DONNEL, 1933				
Sub. Pt. A Sub. Pt. B	81101 81102	0.0 0.0	0.0	
SCRUB 3, 1972				
Sub. Pt. A Sub. Pt. B	30101 30102	0.0 0.0	0.0 0.0	
MATAGORDA LIGHTHOUSE	61100	0.0	0.0	
Corpus Christi Port Isabel LT. 15	T1 <b>4</b> 9	+0.8	+0.2	

2. 4

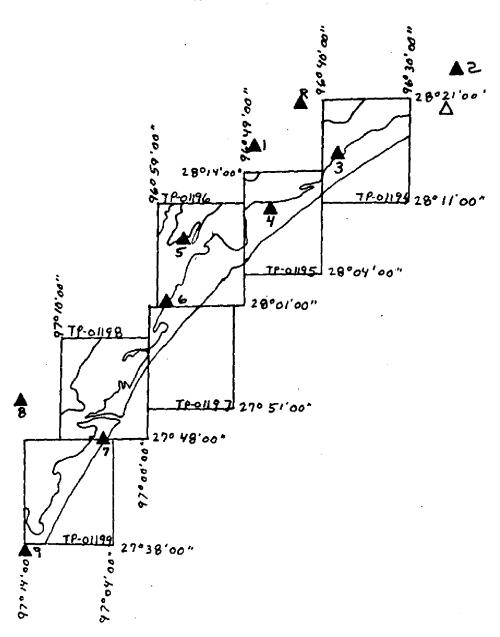
## RATIO VALUES

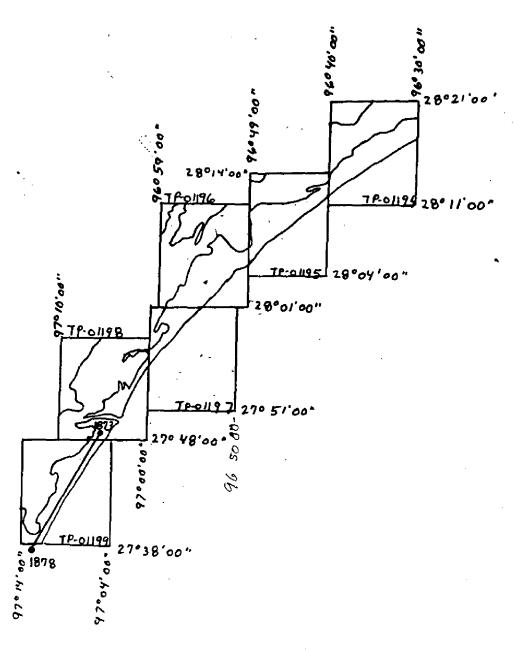
### CM-8208

## San Antonio Bay to Corpus Christi Bay, Texas

1:50,000 Color Bridging Photographs	Ratio Values
82-BC-0964 through 0968	2.53
82-BC-1011 through 1030	2.53
82-BC-1041 through 1043	2.53
82-BC-1050 through 1052	2.53
82-BC-1059 through 1082	2.53
1:50,000 Black-and-White Infrared Photographs MHW	Ratio Values
83-CR-755 through 774	2.53
83-CR-783 through 787	2.53
83-CR-793 through 797	2.53
83-CR-801 through 804	2.53
84-CR-1873 through 1878	2.52

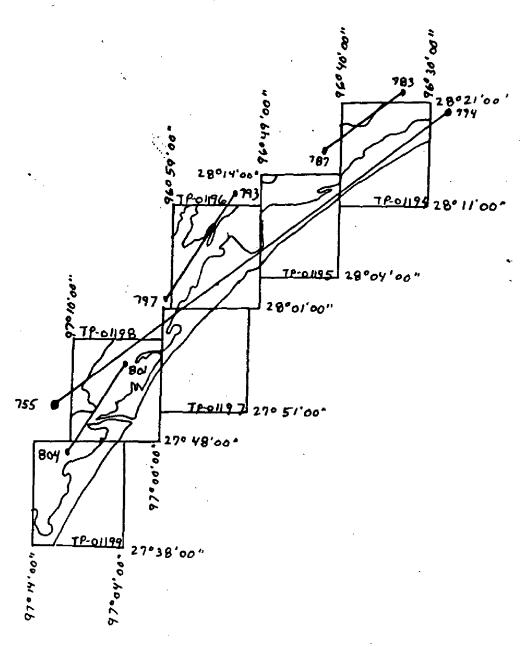
JOB CM-8208
SAN ANTONIO BAY TO CORPUS CHRISTI BAY
TEXAS





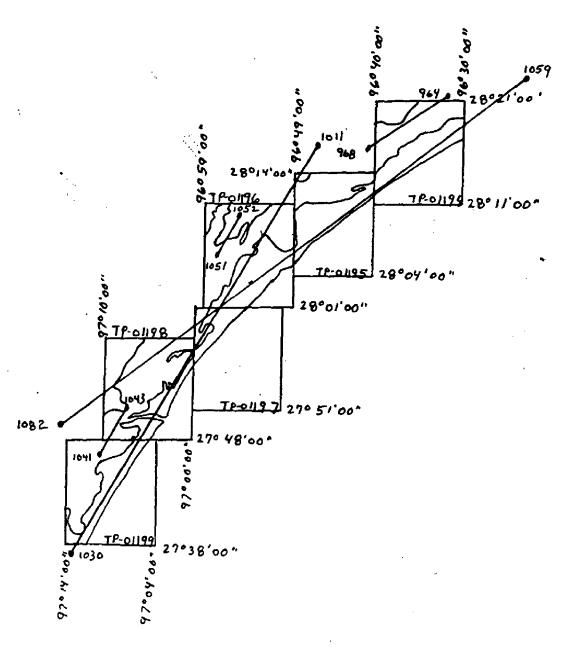
1984-CR-BLACK AND WHITE INFRARED MHW

# JOB CM-8208 SAN ANTONIO BAY TO CORPUS CHRISTI BAY TEXAS



1983-CR- BLACK AND WHITE INFRARED MHW

## JOB CM-8208 SAN ANTONIO BAY TO CORPUS CHRISTI BAY TEXAS



1982-B-COLOR BRIDGING 1:50,000

NOAA FORM 76-41 (6-75)		DESCRIPTIV	DESCRIPTIVE REPORT CONTROL RECORD	l	U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
MAP NO.	JOB NO.		GEODETIC DATUM		ORIGINATING ACTIVITY COASTAL Mapping
TP-01196	CM-8208	8	N.A. 1927	Unit, AMC,	Norfolk, VA
	Г	AEROTRI-	COORDINATES IN FEET	GEOGRAPHIC POSITION	
STATION NAME	INFORMATION (Index)	ANGULATION POINT	STATE TEXAS	\$ LATITUDE	REMARKS
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	280963	i _	x= 2,506,238.72 €	\$ 28 07 33.044	
HAM, 1934	1021	51100	y= 897,056.50 <sup>∠</sup>	λ 96 55 46.494	
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COMPUTED BY		DATE	COMPUTATION CHECKED BY		DATE
LISTED BY P. L. Evans, Jr.		DATE 11-14-85	LISTING CHECKED BY F. Mau	din	DATE 1-29-86
		DATE	HAND PLOTTING CHECKED BY		DATE
		SUPERSEDES NO	RSEDES NOAA FORM 76-41, 2-71 EDITION WHICH IS OBSOLETE	CH IS OBSOLETE.	

#### COMPILATION REPORT

#### TP-01196

#### 31 - DELINEATION

Delineation was accomplished using stereo instrument and graphic compilation methods. Instrument compilation was used to delineate shoreline, alongshore and interior detail based upon office interpretation of the 1:50,000 scale 1982 bridging/compilation color photographs. Tide coordinated 1983 MHW infrared ratio photographs were used to assist in interpretation of the shoreline. These ratios were also used to graphically compile the shoreline, primarily in the bayarea, where physical and/or cultural detail differed between color and infrared photographs. Control for graphic delineation was provided by the instrument compilation of coastal detail and common image points.

All photographs used to compile this map are listed on NOAA form 76-36B. The photography was adequate; however, the quality of various 1983 MHW infrared ratio photographs made it difficult to define a consistent image representative of the mean high water line in portions of the bay area. An approximate mean high water line symbol was used in these areas.

#### 32 - CONTROL

The horizontal control was adequate. Refer to the Aerotriangulation Report, dated September 1985.

#### 33 - SUPPLEMENTAL DATA

None.

#### 34 - CONTOURS AND DRAINAGE

Contours are not applicable to the project. Drainage was compiled from office interpretation of the photographs.

#### 35 - SHORELINE AND ALONGSHORE DETAILS

The mean high water line along the gulf coast was compiled from the compilation/bridging color photographs using stereo instrument methods. Shoreline interpretation of the color photos was assisted by evaluating the black-and-white infrared ratio photographs.

The mean high water line within the bay area was primarily delineated from the 1983 tide coordinated MHW infrared ratio photographs using graphic compilation methods. Most of the infrared photos displayed erratic tone variations within the common area of overlapping photographs. There also appeared to be tone inconsistency in processing the ratios from the contact photographs. Considering the characteristics of the infrared photos and that the Coast Pilot mentions the water level in the bay area is primarily affected by weather conditions, the approximate shoreline notation was utilized throughout the bay.

#### 36 - OFFSHORE DETAILS

Offshore detail was compiled by instrument methods using the 1:50,000 bridging/compilation color photographs as described in item #31.

#### 37 - LANDMARKS AND AIDS

There are 2 charted landmarks and 6 charted alds within the mapping limits of this manuscript. Among these, 1 landmark and 6 aids were either located or verified photogrammetrically. Appropriate information was prepared on the 76-40 forms and submitted with this map.

#### 38 - CONTROL FOR FUTURE SURVEYS

None.

#### 39 - JUNCTIONS

Refer to the Data Record Form 76-36B, Item 5, of the Descriptive Report.

#### 40 - HORIZONTAL AND VERTICAL ACCURACY

See item #32.

#### 46 - COMPARISON WITH EXISTING MAPS

A comparison was made with the following U.S. Geological Survey Quadrangles:

Mesquite Bay, TX, dated 1952; photo revised 1973, scale 1:24,000

- St. Charles Bay, TX, dated 1952; photorevised 1973, scale 1:24,000
- St. Charles Bay SE, TX, dated 1952, photorevised 1973, scale 1:24,000
- St. Charles Bay SW, TX, dated 1952; scale 1:24,000.

#### 47 - COMPARISON WITH NAUTICAL CHARTS

A comparison was made with the following NOS charts:

- 11300, 26th edition, scale 1:460,732, dated August 17, 1985
- 11313, 17th edition, scale 1:80,000, dated August 24, 1985
- 11314, 14th edition, scale 1:40,000, dated October 27, 1984
- 11315, 18th edition, scale 1:40,000, dated May 25, 1985.

#### ITEMS TO BE APPLED TO NAUTICAL CHARTS IMMEDIATELY

None.

#### ITEMS TO BE CARRIED FORWARD

None.

Submitted by

P. L. Evans, Jr. Cartographic Technician 30 December 1985

Approved

James L. Byrd, Jr. Chief, Coastal Mapping Unit

#### GEOGRAPHIC NAMES

#### FINAL NAME SHEET

#### CM-8208 (San Antonio Bay to Corpus Christi Bay, Texas)

#### TP-01196

Aransas Bay Ayres Island Ayres Bay Ayres Dugout Ballou Island Ballow Island Bartell Island Bartell Pass Big Island Bill Mott Bayou Bird Point Blackjack Peninsula Blackjack Point Bludworth Island Cape Carlos Carlos Bay Cedar Bayou Cedar Dugout Cedar Point (1) Cedar Point (2) Deadman Island Dunham Bay Dunham Island

Dunham Point East Pocket <del>Egg Island</del> Egg Pointgeff Goose Island Grass Island Gulf of Mexico Hail Point Jay Bird Point Lamar Peninsula Long Reef Matagorda Island Mesquite Bay Pauls Mott Pauls Mott Reef Roddy Island Saint Charles Bay San Jose Island Spalding Bight Sundown Bay Third Chain of Islands Vinson Slough

Approved:

Charles E. Harrington

Chief Geographer

Nautical Charting Division Charting and Geodetic Services

#### REVIEW REPORT SHORELINE

#### TP-01196

#### 61 - GENERAL STATEMENT

Final review for this final Class III map was accomplished at the Atlantic Marine Center in March 1986. For a schedule of the office and field operations, refer to the Summary included in this Descriptive Report.

#### 62 - COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS

None.

#### 63 - COMPARISON WITH MAPS OF OTHER AGENCIES

A comparison was made with the following 1:24,000 scale U.S.G.S. quadrangles:

Mesquite Bay, TX, dated 1952, photorevised 1973

St. Charles Bay TX, dated 1952 photorevised 1973

St. Charles Bay SE, TX, dated 1952, photorevised 1973

St. Charles Bay SW, TX, dated 1952.

#### 64 - COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS

Class III shoreline support data was prepared and furnished to facilitate currently scheduled hydrography.

#### 65 - COMPARISON WITH NAUTICAL CHARTS

A comparison was made with the following NOS charts:

11314. 14th edition, 1:40,000 scale, dated Oct. 27, 1984

11313, 17th edition, 1:80,000 scale, dated Aug. 24, 1985

11315, 18th edition, 1:40,000 scale, dated May 25, 1985.

#### 66 - ADEQUACY OF RESULTS AND FUTURE SURVEYS

This map complies with the Project Instructions, and meets the requirements for National Standards of Map Accuracy.

Submitted by,

Jerry L. Hancock Final Reviewer

Approved for forwarding:

Billy H. Barnes, Chief, Photogrammetric Section, AMC

Approved,

Chief, Photogrammetric Section,

Rockville

Chief, Photogrammetry Branch, Rockville

Sequence Code Feen SST.    MACRETACK   MAC	NOAA FORM 76-40	-40			NAT	TIONAL OCE	ANIC AND	S. DEPARTA	U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION	ORIGINATING ACTIVITY	ACTIVITY
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	FIELD  I. NEW POSITION DETERMINED Enter the applicable dat F - Field L - Located V - Verified I - Triangulation 5 - 2 - Traverse 3 - Intersection 7 - 4 - Resection 7 - 4 - Resection and date of EXAMPLE: F-2-6-L  *FIELD POSITIONS are determinations based entirely upon	<u> </u>	II. TRIANGULATION STATION When a landmark or ai angulation station is Rec. with date of re EXAMPLE: Triang. Rec 8-12-75 III. POSITION VERIFIED VIS ENTER 'V-Vis.' and da EXAMPLE: V-Vis. 8-12-75 **PHOTOGRAMMETRIC FIELD PO entirely, or in part, up by photogrammetric metho	RECOVERED d which is also a tri- recoverd, enter 'Triang. covery UALLY ON PHOTOGRAPH te. S.ITIONS are dependent on control established ds.	

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

NOAA FORM 76-40 (8-74)

な U. S. GPO:1975-0-665-080/1155

NOAA FORM 76-40	-40	U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NONE! CATING AIDC APJVANDWARK FOR CHARTS	DC-OP JVANK	AN AMARKS	TIONAL OCE	ANIC AND /	S. DEPARTA	AENT OF COMMERCE	ORIGINATING ACTIVITY	CTIVITY
Replaces C&GS Form 567	Form 567.	TO ONLINO MON	HUNDER	SALVANIA I	100	CINI			PHOTO FIELD PARTY	<b>*</b> 1
XXTO BE CHARTED	TED SED	REPORTING UNIT  F leid Party, Ship or Office    Coastal Mapping Unit	STATE		San Ant	ocality San Antonio Bay	ly to	DATE	COMPLATION ACTIVITY	171TY - 00 WAYNE 200
TO BE DELETED	STED	AMC, Norfolk, VA	Texas		Corpus	Corpus Christi	. Bay	Nov. 1985	CONTROL & MEVIEW GRE	L & KEVIEW GRI
The following objects	ects	VE NOT KX	pected from sec	ward to de	termine the	ir value as	landmarks.		(See reverse for responsible personnel)	ible personnel)
OPR PROJECT NO.	O	JOB NUMBER SURVEY NUMBER	UMBER	DATUM			•			
		CM-8208 TP-01196	196		N.A. 1927	27 ION		METHOD AND DATE OF LOCATION (See Instructions on reverse side)	On reverse side)	CHARTS
		NOLFOIGUS		LATI	LATITUDE	LONGITUDE	agn.			AFFECTED
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	RESPONSIBLE	RESPONSIBLE PERSONNEL	
TYPE OF ACTION	NA	NAME	ORIGINATOR
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MUJECTS INSPECTED FROM SEAWARD		**	GEODETIC PARTY OTHER (Specify)
CRIPING ON CONTRACTION OF THE CANADA CONTRAC			FIELD ACTIVITY REPRESENTATIVE
	P. L. Evans, Jr.		OFFICE ACTIVITY REPRESENTATIVE
ORMS ORIGINATED BY QUALITY CONTROL AND REVIEW GROUP AND FINAL REVIEW ACTIVITIES			REVIEWER  QUALITY CONTROL AND REVIEW GROUP REPRESENTATIVE
	INSTRUCTIONS FOR ENTRIES UNDER (Cansult Photogramme	INSTRUCTIONS FOR ENTRIES UNDER 'METHOD AND DATE OF LOCATION' (Consult Photogrammetric Instructions No. 64,	
OFFICE LIDENTIFIED AND LOCATED OBJECTS	CATED OBJECTS	FIELD (Cont'd) B. Photogrammetric fie	Cont'd) Photogrammetric field bositions** require
Enter the number and date (including month, day, and year) of the photograph used to	e (including month, otograph used to		entry of method of location or verification, date of field work and number of the photo-
identify and locate the object.  EXAMPLE: 75E(C)6042  8-12-75	ubject.	graph used to locate EXAMPLE: P-8-V 8-12-75 741(C)2982	graph used to locate or identify the object. EXAMPLE: P-8-V 8-12-75 74!(C)2982
FIELD  - NEW BOSITION DETERMINES OF SEPTIFICA	21.1	COLTATO MONTH OF THE	
Enter the applicable data by symbols F - Field	ned on venified data by symbols as follows: P - Photogrammetric	When a landmark or aid which is also a	
ָם ס	- Visually	Rec. with date of recovery.	covery.
ation 5 -	Field identified	8-12-75	•
Indverse 0 - 1 Intersection 7 - 1 Resection 8 - 1	Inecacine Planetable Sextant	III. POSITION VERIFIED VISUALLY ON PHOTOGRAPH Enter 'V+VIs.' and date.	UALLY ON PHOTOGRAPH
A. Field positions* require entry o location and date of field work.	require entry of method of e of field work.	EXAMPLE: V-Vis. 8-12-75	
EXAMPLE: F-2-6-L 8-12-75		**PHOTOGRAMMETRIC FIELD POSITIONS are dependent entirely or in part, upon control established	SJT10NS are dependent on control established
*FIELD POSITIONS are determined by field obser- vations based entirely upon ground survey methods.	ned by field obser- ground survey methods.	by photogrammetric methods.	ds.

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.



#### MAUTICAL CHART DIVISION

#### **RECORD OF APPLICATION TO CHARTS**

FILE WITH DESCRIPTIVE REPORT OF SURVEY NO. CM-8208 (TP-01196)

#### 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 Revi

CHART	DATE	CARTOGRAPHER	REMARKS
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			Full Part Before After Verification Review Inspection Signed Via
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