TP- 01199

TP- 01199

NOAA FORM 76-35
(6-80)

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.	*Edition No.*
TP-01199	1

Job No.
CM-8208

Map Classification
CLASS III (FINAL)

Type of Survey
SHORELINE

LOCALITY

State
TEXAS

General Locality
SAN ANTONIO BAY TO CORPUS CHRISTI BAY

Locality
MUSTANG ISLAND

19 82 TO 19

REGISTERED IN ARCHIVES

DATE

*U.S. GOVERNMENT PRINTING OFFICE: 1980-665-115

NOAA FORM 76-36A (3-72) — U. S. DEPARTMENT OF COMMERCE, NATIONAL OCEANIC AND ATMOSPHERIC ADMIN.

DESCRIPTIVE REPORT - DATA RECORD

TYPE OF SURVEY: [X] ORIGINAL [ ] RESURVEY [ ] REVISED

SURVEY TP- 01199

MAP EDITION NO. (1)

MAP CLASS III (Final)

JOB PH.- CM-8208

PHOTOGRAMMETRIC OFFICE
Coastal Mapping Unit
Atlantic Marine Center, Norfolk, VA

OFFICER-IN-CHARGE
A. Y. Bryson, CDR

LAST PRECEEDING MAP EDITION
TYPE OF SURVEY: [ ] ORIGINAL [ ] RESURVEY [ ] REVISED
JOB PH.- _____
MAP CLASS _____
SURVEY DATES: 19__ TO 19__

I. INSTRUCTIONS DATED

1. OFFICE		2. FIELD	
Aerotriangulation	July 8, 1985	Control	March 9, 1983
Compilation	October 28, 1985		

II. DATUMS

1. HORIZONTAL: [XX] 1927 NORTH AMERICAN — OTHER (Specify)

2. VERTICAL: [XX] MEAN HIGH-WATER [ ] MEAN LOW-WATER [X] MEAN LOWER LOW-WATER [ ] MEAN SEA LEVEL — OTHER (Specify)

3. MAP PROJECTION: Lambert Conformal Conic Projection

4. GRID(S): STATE: Texas; ZONE: South

5. SCALE: 1:20,000 — STATE: ; ZONE:

III. HISTORY OF OFFICE OPERATIONS

OPERATIONS		NAME	DATE
1. AEROTRIANGULATION METHOD: Analytic	BY	J. Taylor	Sept 1985
	LANDMARKS AND AIDS BY	J. Taylor	Sept 1985
2. CONTROL AND BRIDGE POINTS METHOD: Calcomp 718	PLOTTED BY	J. Taylor	Sept 1985
	CHECKED BY	D. Norman	Sept 1985
3. STEREOSCOPIC INSTRUMENT COMPILATION	PLANIMETRY BY	R. Kravitz	Nov.1985
	CHECKED BY	W. McLemore	Nov 1985
INSTRUMENT: Wild B-8	CONTOURS BY	N.A.	
SCALE: 1:20,000	CHECKED BY	N.A.	
4. MANUSCRIPT DELINEATION	PLANIMETRY BY	R. Kravitz	Dec 1985
	CHECKED BY	F. Mauldin	Dec 1985
	CONTOURS BY	N.A.	
METHOD: Smooth drafted	CHECKED BY	N.A.	
	HYDRO SUPPORT DATA BY	R. Kravitz	Dec 1985
SCALE: 1:20,000	CHECKED BY	F. Mauldin	Dec 1985
5. OFFICE INSPECTION PRIOR TO ~~FIELD EDIT~~ Final Review	BY	F. Mauldin	Dec 1985
6. APPLICATION OF FIELD EDIT DATA	BY	N.A.	
	CHECKED BY	N.A.	
7. COMPILATION SECTION REVIEW Class III	BY	F. Mauldin	Dec 1985
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. Dempsey	May 1986
11. MAP REGISTERED - COASTAL SURVEY SECTION	BY	[illegible]	Aug 86

NOAA FORM 76-36A — SUPERSEDES FORM C&GS 181 SERIES

* U.S. G.P.O. 1972-769382/582 REG.#6

NOAA FORM 76-36B
(3-72)

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

TP-01199

COMPILATION SOURCES

1. COMPILATION PHOTOGRAPHY

CAMERA(S)
Wild R.C. 10(B) (F.L. 152.74 mm)
Wild R.C. 10(C) (F.L. 88.46 mm)

TIDE STAGE REFERENCE
- [XX] PREDICTED TIDES *
- [XX] REFERENCE STATION RECORDS **
- [ ] TIDE CONTROLLED PHOTOGRAPHY

TYPES OF PHOTOGRAPHY LEGEND
- (C) COLOR
- (P) PANCHROMATIC
- (I) INFRARED

TIME REFERENCE
ZONE: Central — [XX] STANDARD
MERIDIAN: 90th — [ ] DAYLIGHT

	NUMBER AND TYPE	DATE	TIME	SCALE	STAGE OF TIDE
*	82B(C)1025-1029	12-6-82	11:28	1:50,000	0.1 ft. below MLLW
*	82B(C)1041-1042	12-6-82	11:54	1:50,000	0.1 ft. below MLLW
**	83C(I)0803-0804	11-20-83	15:27	1:50,000	MHW
**	84C(I)1873-1878	3-9-84	11:26	1:50,000	0.7 ft. below MHW
					Mean Tide Range = 1.4 ft.

REMARKS *Tidal stage at the time of color photography was determined based on predicted tides. **Tidal stages for the infrared photographs were determined from Galveston Pier 21 reference station records.

2. SOURCE OF MEAN HIGH-WATER LINE:

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 infrared photographs were used to graphically assist in the compilation of the mean high water line in portions of the bay area.

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(S)	SURVEY COPY USED	SURVEY NUMBER	DATE(S)	SURVEY COPY USED

5. FINAL JUNCTIONS

NORTH	EAST	SOUTH	WEST
TP-01198	No Survey	No Survey	No Survey

REMARKS

NOAA FORM 76-36B
(3-72)

*U.S. GOVERNMENT PRINTING OFFICE:1977-765-092

NOAA FORM 76-36C
(3-72)

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

TP-01199

HISTORY OF FIELD OPERATIONS

I. [xx] FIELD ~~INSPECTION~~ OPERATION (Photoidentification) [ ] FIELD EDIT OPERATION

OPERATION		NAME	DATE
1. CHIEF OF FIELD PARTY		R. Tibbetts	March 1983
2. HORIZONTAL CONTROL	RECOVERED BY	P. Walbolt	March 1983
	ESTABLISHED BY	P. Walbolt	March 1983
	PRE-MARKED OR IDENTIFIED BY	P. Walbolt	March 1983
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	None	
	LOCATED (*Field Methods*) BY	None	
	IDENTIFIED BY	None	
5. GEOGRAPHIC NAMES INVESTIGATION	TYPE OF INVESTIGATION [ ] COMPLETE [ ] SPECIFIC NAMES ONLY [xx] NO INVESTIGATION — BY		
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

2. VERTICAL CONTROL IDENTIFIED

PHOTO NUMBER	STATION NAME	PHOTO NUMBER	STATION DESIGNATION
82B(C)1025	KNOLL, 1934 (Sub Pts. A & B)		
82B(C)1082	*DONNEL, 1933 (Sub Pts. A & B)		
82B(C)1029	*SCRUB 3, 1972 (Sub Pts. A & B)		
	*Station is beyond map limits		

3. PHOTO NUMBERS (*Clarification of details*)

None

4. LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED

None

PHOTO NUMBER	OBJECT NAME	PHOTO NUMBER	OBJECT NAME

5. GEOGRAPHIC NAMES: [ ] REPORT [xx] NONE

6. BOUNDARY AND LIMITS: [ ] REPORT [xx] NONE

7. SUPPLEMENTAL MAPS AND PLANS

None

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

3 NOAA Form 76-53
5 NOAA Forms 76-170
2 NOAA Forms 75-63
Project Data
Field Report
1 NOAA Form 76-52
1 NOAA Form 76-156

☆ U.S. GPO: 1977-765-092/1105 Region 6

NOAA FORM 76-36D
(3-72)

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

TP-01199

RECORD OF SURVEY USE

I. MANUSCRIPT COPIES

COMPILATION STAGES			DATE MANUSCRIPT FORWARDED	
DATA COMPILED	DATE	REMARKS	MARINE CHARTS	HYDRO SUPPORT
Compilation Complete	Dec. 1985	Class III Manuscript	None	None
Final Review	Mar. 1986	Final Class III Map	April 1986	April 1986

II. LANDMARKS AND AIDS TO NAVIGATION

1. REPORTS TO MARINE CHART DIVISION, NAUTICAL DATA BRANCH

NUMBER (pages)	CHART LETTER NUMBER ASSIGNED	DATE FORWARDED	REMARKS
1		April 1986	Landmarks for Charting
1		April 1986	Aids to Navigation for Charting

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

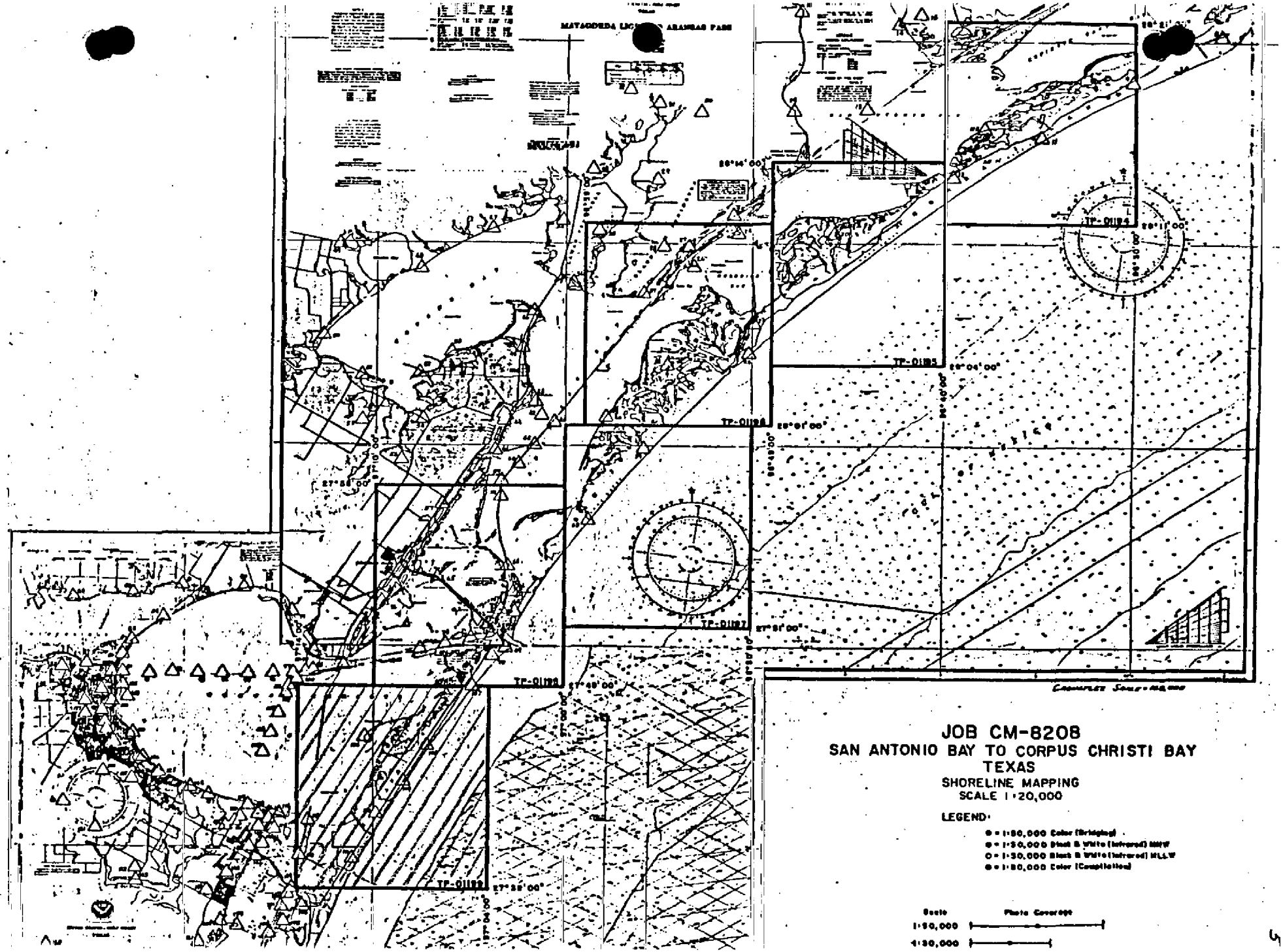
1. ☒ BRIDGING PHOTOGRAPHS; ☒ DUPLICATE BRIDGING REPORT; ☒ COMPUTER READOUTS.
2. ☒ CONTROL STATION IDENTIFICATION CARDS; ☐ FORM NOS. ~~76-32~~ 76-40 SUBMITTED BY FIELD PARTIES.
3. ☒ SOURCE DATA *(except for Geographic Names Report)* AS LISTED IN SECTION II, NOAA FORM 76-36C. ACCOUNT FOR EXCEPTIONS:

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

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

	SURVEY NUMBER	JOB NUMBER	TYPE OF SURVEY
SECOND EDITION	TP - _____ (2)	PH - _____	☐ REVISED ☐ RESURVEY
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	MAP CLASS ☐ II. ☐ III. ☐ IV. ☐ V. ☐ FINAL
THIRD EDITION	TP - _____ (3)	PH- _____	☐ REVISED ☐ RESURVEY
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	MAP CLASS ☐ II. ☐ III. ☐ IV. ☐ V. ☐ FINAL
FOURTH EDITION	TP - _____ (4)	PH - _____	☐ REVISED ☐ RESURVEY
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	MAP CLASS ☐ II. ☐ III. ☐ IV. ☐ V. ☐ FINAL

☆ U.S. GPO: 1977-765-092/1106 Region 6



JOB CM-8208

SAN ANTONIO BAY TO CORPUS CHRISTI BAY TEXAS

SHORELINE MAPPING
SCALE 1:20,000

LEGEND:

- 1:80,000 Color (Bridging)
- 1:80,000 Black & White (Infrared) MHW
- 1:80,000 Black & White (Infrared) MLLW
- 1:80,000 Color (Compilation)

Scale	Photo Coverage
1:80,000	
1:80,000	

SUMMARY TO ACCOMPANY
DESCRIPTIVE REPORT

TP-01199

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 the shoreline along the Gulf of Mexico coast from Lat. 27°38.0' to Lat. 27°48.0' and includes the eastern segment of Corpus Christi Bay. This map defines the southern limit of the project.

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 December 1985. The 1983 and 1984 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.

TP-01199

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-01199

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:

James H. Taylor

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 X	Y
BMQ 594, 1983			
Sub. Pt. A	11101	0.0	0.0
Sub. Pt. B	11102	0.0	0.0
Sub. Pt. C	11103	0.0	0.0
SAL, 1977			
Sub. Pt. A	59101	0.0	0.0
Sub. Pt. B	59102	0.0	0.0
GREEK, 1911			
Sub. Pt. A	65101	0.0	0.0
Sub. Pt. B	65102	0.0	0.0
SNAKE, 1911			
Sub. Pt. A	69101	0.0	0.0
Sub. Pt. B	69102	0.0	0.0
HAM, 1934			
Sub. Pt. A	51101	0.0	0.0
Sub. Pt. B	51102	0.0	0.0
LUCK, 1934			
Sub. Pt. A	74101	0.0	0.0
Sub. Pt. B	74102	0.0	0.0
KNOLL, 1934			
Sub. Pt. A	25101	0.0	0.0
Sub. Pt. B	25102	0.0	0.0

DONNEL, 1933			
Sub. Pt. A	81101	0.0	0.0
Sub. Pt. B	81102	0.0	0.0
SCRUB 3, 1972			
Sub. Pt. A	30101	0.0	0.0
Sub. Pt. B	30102	0.0	0.0
MATAGORDA LIGHTHOUSE	61100	0.0	0.0
Corpus Christi Port Isabel LT. 15	T149	+0.8	+0.2

RATIO VALUES

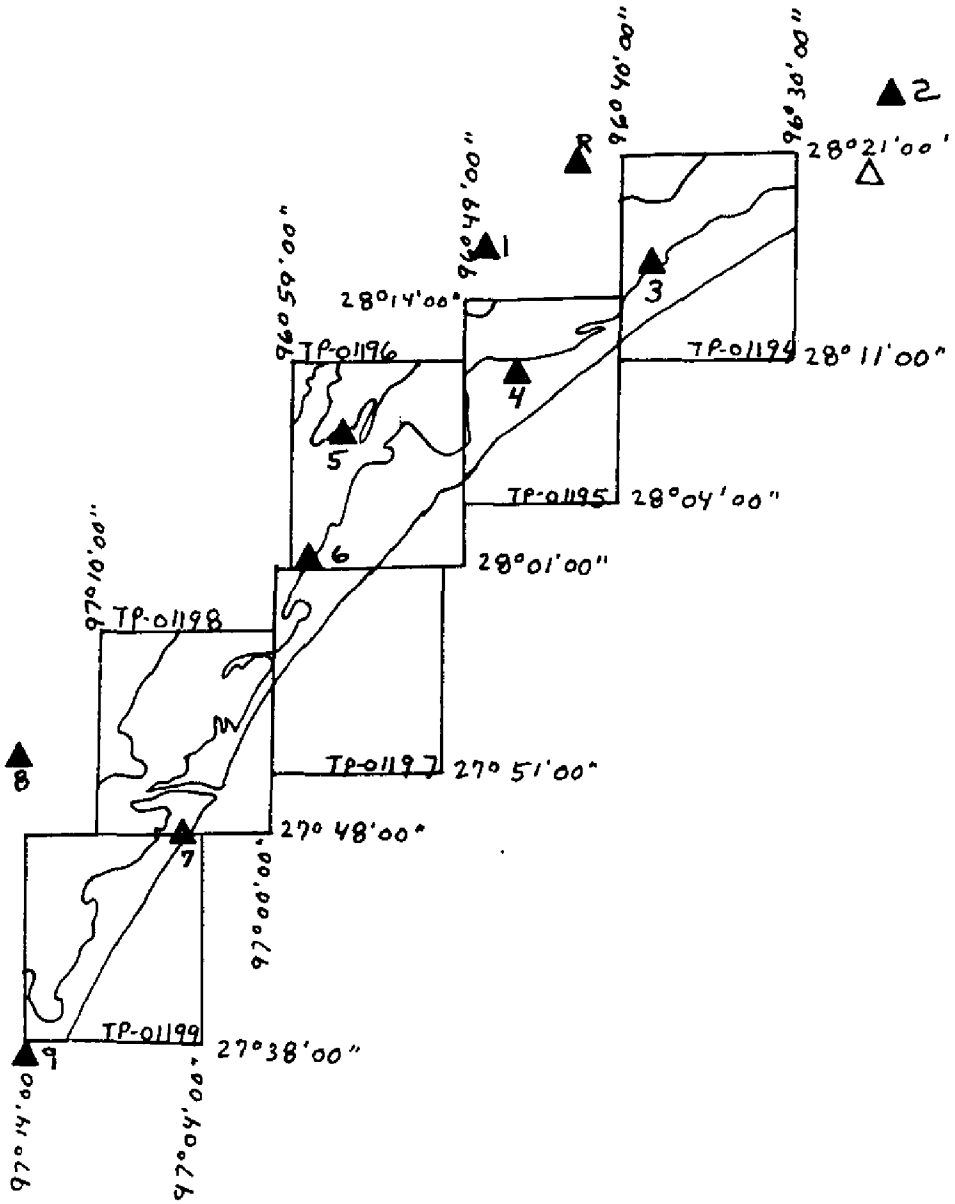
CM-8208

San Antonio Bay to Corpus Christi Bay, Texas

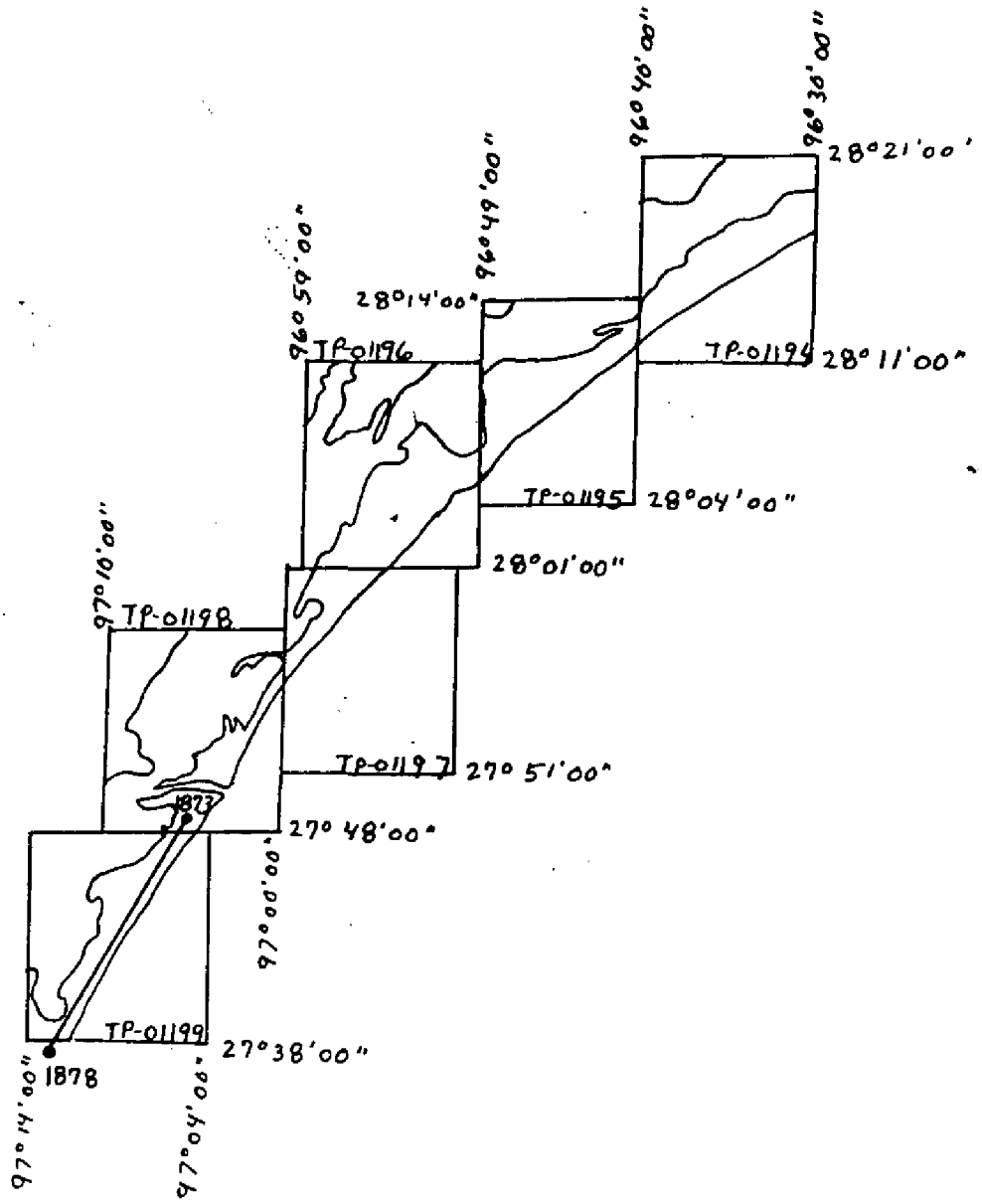
1:50,000 Color Bridging Photographs	Ratio Values
82-BC-0964 through 0968	2.53
82-BC-1011 through 1030	2.53
82-BC-1041 through 1043	2.53
82-BC-1050 through 1052	2.53
82-BC-1059 through 1082	2.53

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

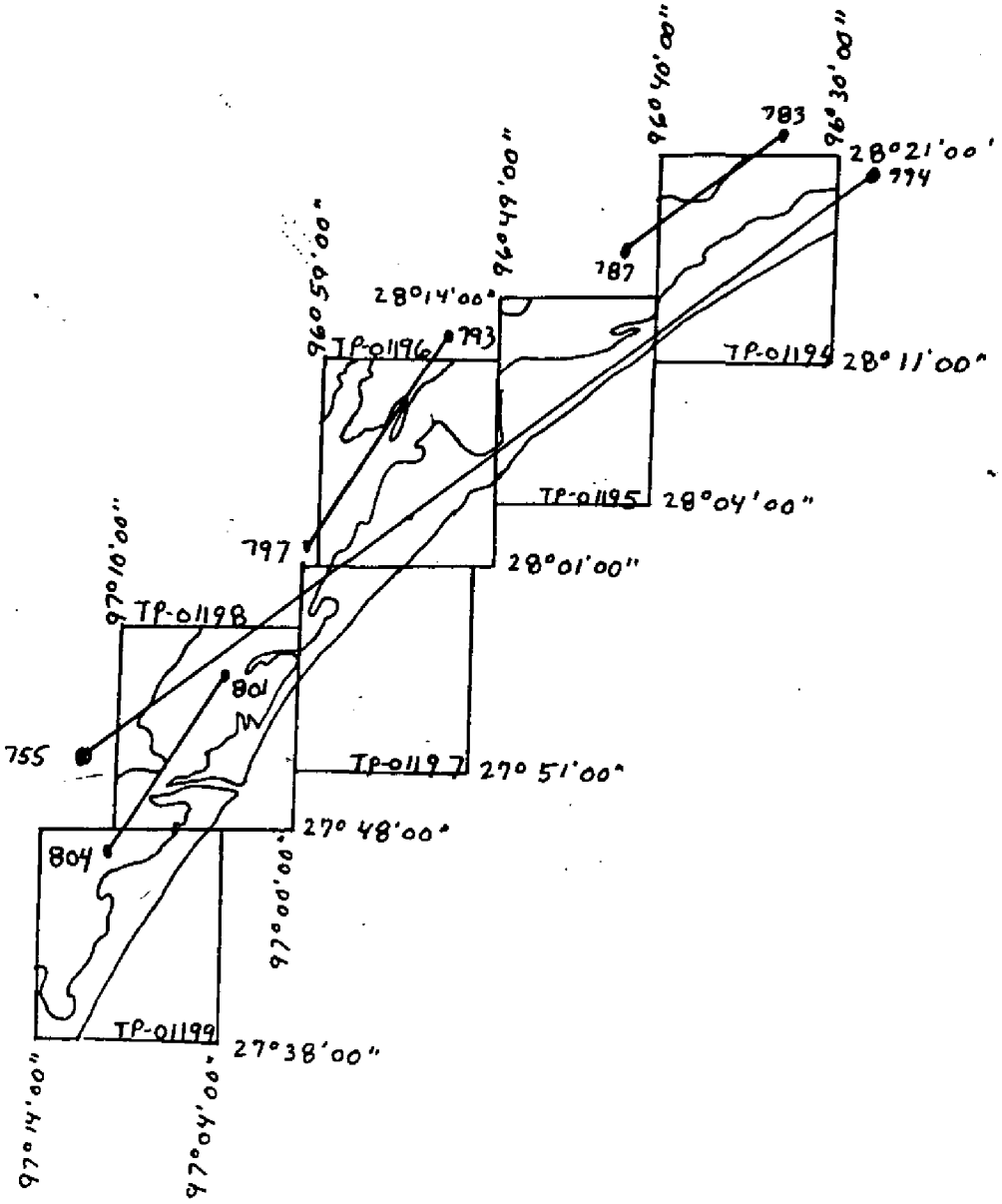


JOB CM-8208
SAN ANTONIO BAY TO CORPUS CHRISTI BAY
TEXAS



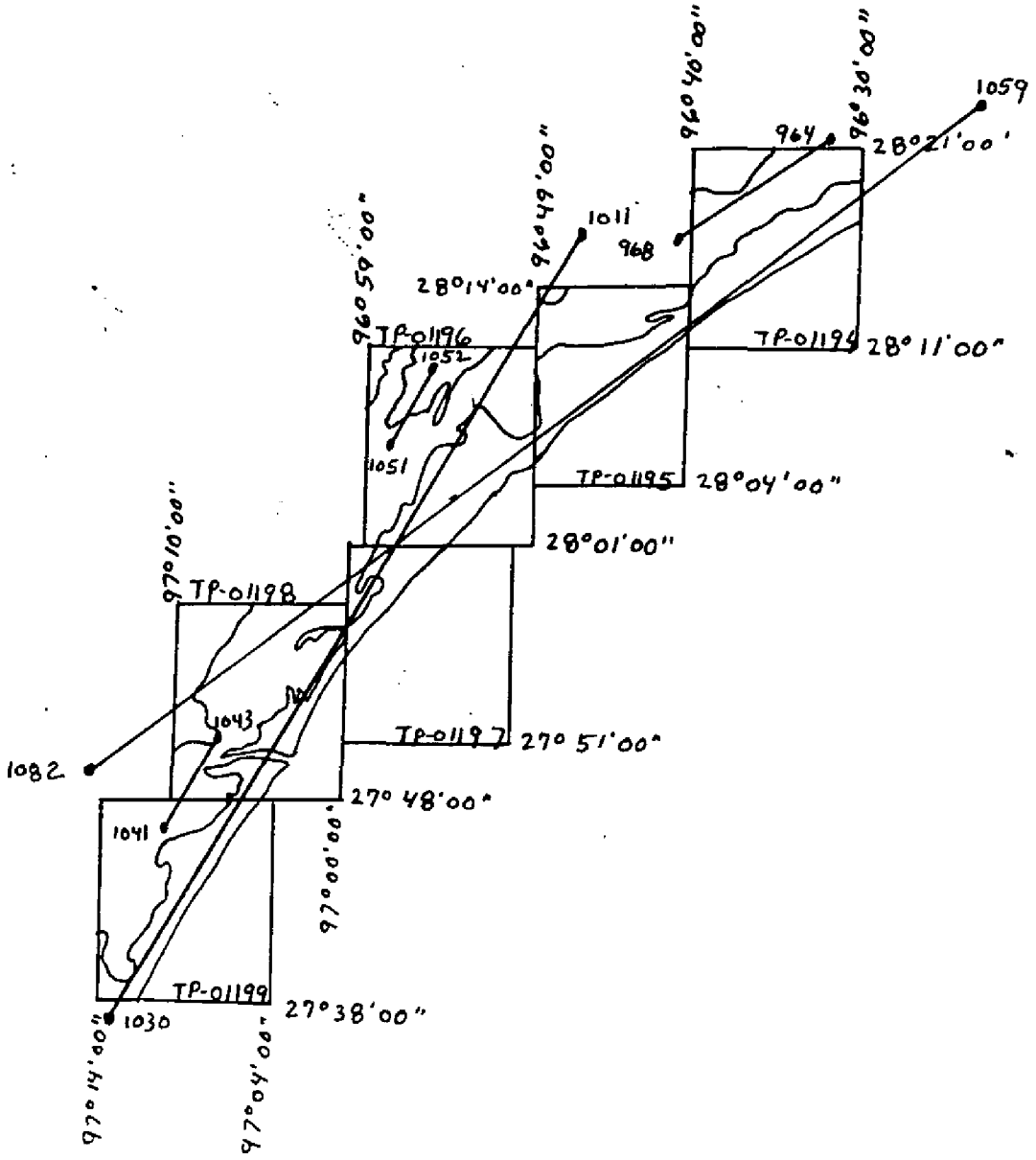
1984 - CIR - BLACK AND WHITE INFRARED MHW

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)

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

DESCRIPTIVE REPORT CONTROL RECORD

MAP NO.	JOB NO.	GEODETIC DATUM	ORIGINATING ACTIVITY
TP-01199	CM-8208	N.A. 1927	Coastal Mapping Unit, AMC, Norfolk, VA

STATION NAME	SOURCE OF INFORMATION (Index)	AEROTRI-ANGULATION POINT NUMBER	COORDINATES IN FEET (STATE Texas, ZONE South)	GEOGRAPHIC POSITION (φ LATITUDE, λ LONGITUDE)	REMARKS
KNOLL, 1934	Quad.270971 Sta 1040	25100	x= 2,456,790.78 y= 775,162.30	φ 27 47 31.964 λ 97 05 13.902	
			x= y=	φ λ	
			x= y=	φ λ	
			x= y=	φ λ	
			x= y=	φ λ	
			x= y=	φ λ	
			x= y=	φ λ	
			x= y=	φ λ	
			x= y=	φ λ	

COMPUTED BY	DATE	COMPUTATION CHECKED BY	DATE
LISTED BY R. R. Kravitz	DATE 10-16-85	LISTING CHECKED BY F. Mauldin	DATE 12-12-85
HAND PLOTTING BY	DATE	HAND PLOTTING CHECKED BY	DATE

SUPERSEDES NOAA FORM 76-41, 2-71 EDITION WHICH IS OBSOLETE.

COMPILATION REPORT

TP-01199

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 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 bay area. 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 and the stage of tide of the 1984 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 and 1984 infrared ratios using graphic compilation methods. The 1983 infrared photos were taken at MHW; however, the coverage is limited to the northern portion of the map. Map coverage of the 1984 photos is adequate but the photos were taken at mean tide level. 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 17 charted aids 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:
Port Aransas, TX, dated 1968, photorevised 1975, scale 1:24,000
Crane Islands NW, TX, dated 1968, photorevised 1975, scale 1:24,000
Port Ingleside, TX dated 1968, photorevised 1975, 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
11307, 28th edition, scale 1:80,000, dated November 5, 1983
11308, 14th edition, scale 1:40,000, dated October 20, 1984
11309, 27th edition, scale 1:40,000, dated October 20, 1984

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None.

ITEMS TO BE CARRIED FORWARD

None.

TP-01199

Submitted by

J Byrd Kravitz

Robert R. Kravitz
Cartographic Technician
2 December 1985

Approved

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

MAR 10 1986

GEOGRAPHIC NAMES

FINAL NAME SHEET

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

TP-01199

Atlantic Cut
Boot Cove
Corpus Christi Bay
Corpus Christi Pass
Crane Islands
Croaker Hole
Glenn Cove
Gulf of Mexico
Laguna Madre
Long Cove
Mustang Island
Padre Island
Pink Shack Cove
Shamrock Cove
Shamrock Island
Shamrock Point
Sinclair Cut
Water Exchange Channel
Wilsons Cut

Approved:

Charles E. Harrington

Charles E. Harrington
Chief Geographer
Nautical Charting Division
Charting and Geodetic Services

REVIEW REPORT
SHORELINE

TP-01199

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:
Port Aransas, TX, dated 1968, photorevised 1975
Crane Islands NW, TX, dated 1968, photorevised 1975
Port Ingleside, TX, dated 1968, photorevised 1975.

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:
11308, 14th edition, 1:40,000 scale, dated Oct. 20, 1984
11309, 27th edition, 1:40,000 scale, dated Oct. 20, 1984
11307, 28th edition, 1:80,000 scale, dated Nov. 5, 1983.

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

NOAA FORM 76-40 (8-74)

Replaces C&GS Form 567.

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

~~FLOATING AIDS OR~~ LANDMARKS FOR CHARTS

ORIGINATING ACTIVITY
- [ ] HYDROGRAPHIC PARTY
- [ ] GEODETIC PARTY
- [ ] PHOTO FIELD PARTY
- [x] COMPILATION ACTIVITY
- [ ] FINAL REVIEWER
- [ ] QUALITY CONTROL & REVIEW GRP.
- [ ] COAST PILOT BRANCH

(See reverse for responsible personnel)

- [x] TO BE CHARTED
- [ ] TO BE REVISED
- [ ] TO BE DELETED

REPORTING UNIT (Field Party, Ship or Office)	STATE	LOCALITY	DATE
Coastal Mapping Unit, AMC, Norfolk, VA	Texas	San Antonio Bay to Corpus Christi Bay	Dec.1985

The following objects HAVE [ ] HAVE NOT [x] been inspected from seaward to determine their value as landmarks.

OPR PROJECT NO.	JOB NUMBER	SURVEY NUMBER	DATUM
	CM-8208	TP-01199	N.A. 1927

CHARTING NAME	DESCRIPTION (Record reason for deletion of landmark or aid to navigation. Show triangulation station names, where applicable, in parentheses)	POSITION LATITUDE ° ′	LATITUDE ″ D.M. Meters	POSITION LONGITUDE ° ′	LONGITUDE ″ D.P. Meters	METHOD AND DATE OF LOCATION (See instructions on reverse side) OFFICE	FIELD	CHARTS AFFECTED
TANK	Positioned by Aerotriangulation	27 45	05.585	97 07	28.188	82 B(C) 1026 12-6-82		11307 11308 11309

RESPONSIBLE PERSONNEL		
TYPE OF ACTION	NAME	ORIGINATOR
OBJECTS INSPECTED FROM SEAWARD		☐ PHOTO FIELD PARTY ☐ HYDROGRAPHIC PARTY ☐ GEODETIC PARTY ☐ OTHER *(Specify)*
POSITIONS DETERMINED AND/OR VERIFIED		FIELD ACTIVITY REPRESENTATIVE
	Robert R. Kravitz	OFFICE ACTIVITY REPRESENTATIVE
FORMS ORIGINATED BY QUALITY CONTROL AND REVIEW GROUP AND FINAL REVIEW ACTIVITIES		☐ REVIEWER ☐ 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

I. NEW POSITION DETERMINED OR VERIFIED

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

A. Field positions* require entry of method of location and date of field work.

EXAMPLE: F-2-6-L
8-12-75

*FIELD POSITIONS are determined by field observations based entirely upon ground survey methods.

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

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.

NOAA FORM 76-40 (8-74)
Replaces C&GS Form 567.

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
- [XX] COMPILATION ACTIVITY
- [ ] FINAL REVIEWER
- [ ] QUALITY CONTROL & REVIEW GRP.
- [ ] COAST PILOT BRANCH

(See reverse for responsible personnel)

- [XX] TO BE CHARTED
- [ ] TO BE REVISED
- [ ] TO BE DELETED

REPORTING UNIT (Field Party, Ship or Office): Coastal Mapping Unit, AMC, Norfolk, VA
STATE: Texas
LOCALITY: San Antonio Bay to Corpus Christi Bay
DATE: Dec.1985

The following objects HAVE [ ] HAVE NOT [XX] been inspected from seaward to determine their value as landmarks.

OPR PROJECT NO.:
JOB NUMBER: CM-8208
SURVEY NUMBER: TP-01199
DATUM: N.A. 1927

CHARTING NAME	DESCRIPTION (Record reason for deletion of landmark or aid to navigation. Show triangulation station names, where applicable, in parentheses)	POSITION LATITUDE ° ′	LATITUDE // D.M. Meters	POSITION LONGITUDE ° ′	LONGITUDE // D.P. Meters	METHOD AND DATE OF LOCATION (See instructions on reverse side) OFFICE	FIELD	CHARTS AFFECTED
LIGHT	Corpus Christi Bay Light 71	27 47	27.0	97 12	29.2	82 B(C) 1041 12-6-82		11308 11309
LIGHT	Corpus Christi-Baffin Bay Entrance Light C	27 43	4.9	97 13	5.4	82 B(C) 1027 12-6-82		11308 11309
LIGHT	Corpus Christi-Baffin Bay Light 1	27 42	20.2	97 13	9.4	82 B(C) 1027 12-6-82		11308 11309
LIGHT	Corpus Christi-Baffin Bay Light 9	27 41	22.0	97 13	24.3	82 B(C) 1028 12-6-82		11308 11309
LIGHT *	Corpus Christi-Baffin Bay Light 17	27 40	22.218	97 13	39.954	82 B(C) 1028 12-6-82		11308 11309
LIGHT *	Corpus Christi-Baffin Bay Light 25	27 39	23.187	97 13	55.158	82 B(C) 1028 12-6-82		11308 11309
	*Positioned by aerotriangulation.							

RESPONSIBLE PERSONNEL		
TYPE OF ACTION	**NAME**	**ORIGINATOR**
OBJECTS INSPECTED FROM SEAWARD		☐ PHOTO FIELD PARTY ☐ HYDROGRAPHIC PARTY ☐ GEODETIC PARTY ☐ OTHER *(Specify)*
POSITIONS DETERMINED AND/OR VERIFIED		FIELD ACTIVITY REPRESENTATIVE
	Robert R. Kravitz	OFFICE ACTIVITY REPRESENTATIVE
FORMS ORIGINATED BY QUALITY CONTROL AND REVIEW GROUP AND FINAL REVIEW ACTIVITIES		☐ REVIEWER ☐ 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

I. NEW POSITION DETERMINED OR VERIFIED

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

A. Field positions* require entry of method of location and date of field work.

EXAMPLE: F-2-6-L
8-12-75

*FIELD POSITIONS are determined by field observations based entirely upon ground survey methods.

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

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.

FORM C&GS-8352
(8-28-63)

NAUTICAL CHART DIVISION

RECORD OF APPLICATION TO CHARTS

FILE WITH DESCRIPTIVE REPORT OF SURVEY NO. CM-8208 (TP-01199)

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 Revie

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