10328

Diagram No. 1286-2

NOAA FORM 76-35A

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

DESCRIPTIVE REPORT

Type of Survey ..... Hydrographic

Field No. AHP-10-3-90

Registery No. H-10328

LOCALITY

State ..... Texas

General Locality ..... Redfish Bay

Sublocality ..... Point of Mustang to South Bay

1990

CHIEF OF PARTY
LCDR V.D. Ross

LIBRARY & ARCHIVES

DATE ..... July 29, 1991

☆U.S. GOV. PRINTING OFFICE: 1985—566-054

10328

WC/L

CHTS
11312
11314
11308 A
11313
11307
11309
11300 N/C

NOAA FORM 77-28 (11-72)

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

REGISTER NO.

H-10328

HYDROGRAPHIC TITLE SHEET

INSTRUCTIONS - The Hydrographic Sheet should be accompanied by this form, filled in as completely as possible, when the sheet is forwarded to the Office.

FIELD NO.

AHP 10-3-90

State: Texas

General locality: Redfish Bay

Locality: Point of Mustang to South Bay

Scale: 1:10,000 Date of survey: Feb 22 - April 9, 1990

Instructions dated: September 14, 1989 Project No.: OPR-K229

Vessel: 0518

Chief of party: LCDR V. Dale Ross

Surveyed by: David Elliott

Soundings taken by echo sounder, hand lead, ~~poles~~: Echo Sounder

Graphic record scaled by: DE, RWR, JB, WS, TW

Graphic record checked by: DE, RWR

Verification by: ~~Protracted by~~: C.R. Davies Automated plot by: PHS Xynetics Plotter

Evaluation by: ~~Verification by~~: C.R. Davies

Soundings in ~~fathoms~~ feet at ~~MLW~~ MLLW

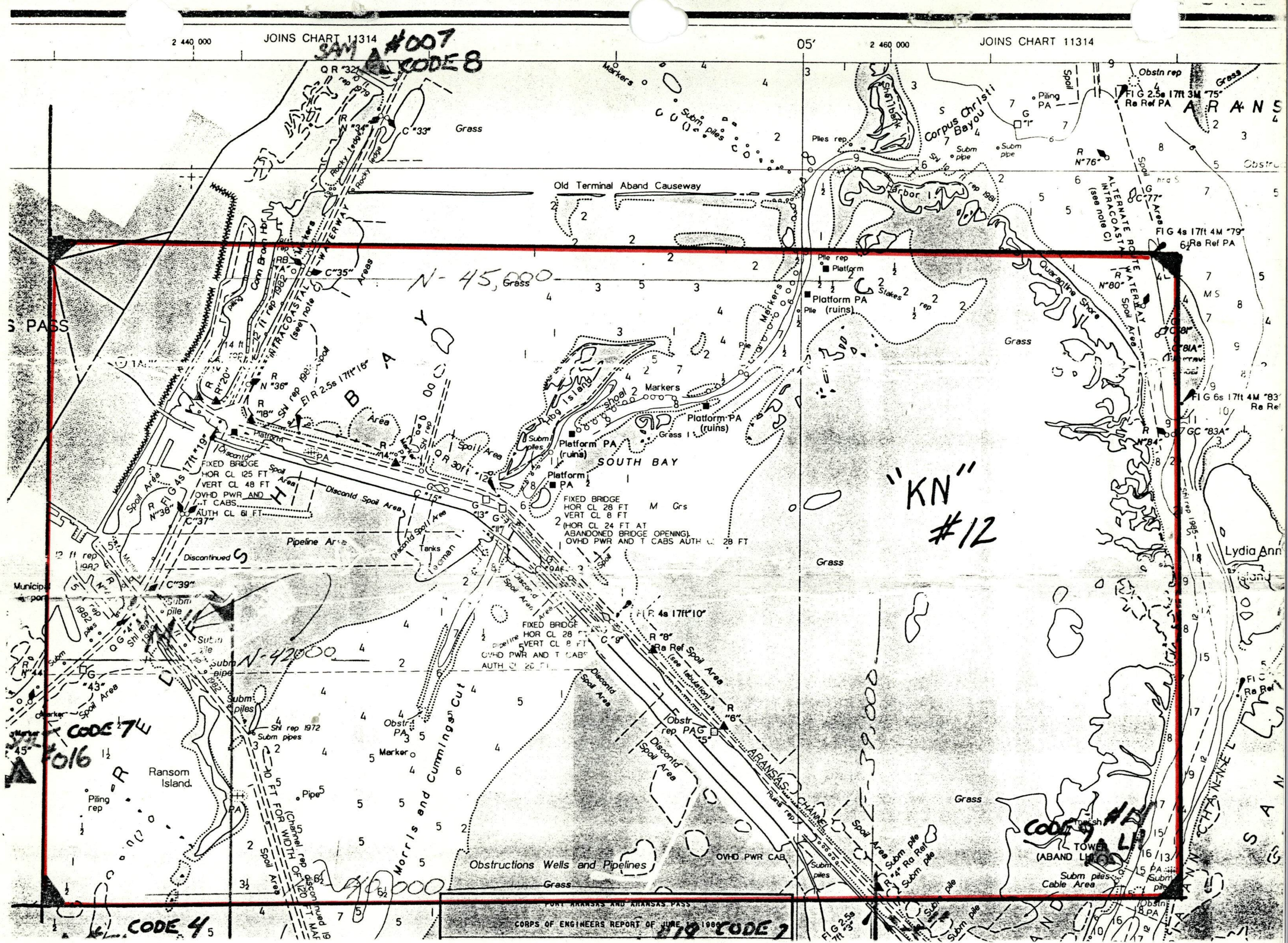
REMARKS: Time in UTC. Revisions and marginal notes in black were generated during office processing. Some separates are filed with the hydrographic data, as a result page numbering may be interrupted or non-sequential.

AWOIS/SURF ✓ 9/9/91, SV

X.W.W. 8/15/91

NOAA FORM 77-28 SUPERSEDES FORM C&GS-537.

U.S. GOVERNMENT PRINTING OFFICE: 1986 - 652-007/41215



JOINS CHART 11314
2 440 000
2 460 000
05'
JOINS CHART 11314
SAM #007 CODE 8
"KN" #12
N-45,000
N-42,000
CODE 7E #016
CODE 4
CODE 9 #AL
CODE 1
Old Terminal Aband Causeway
Corpus Christi Bayou
Harbor I
Shellbank
ALTERNATE ROUTE INTRACOASTAL WATERWAY (see note C)
INTRACOASTAL WATERWAY
Quarantine Shore
SOUTH BAY
Hog Island
Platform PA (ruins)
FIXED BRIDGE HOR CL 125 FT VERT CL 48 FT OVHD PWR AND T CABS AUTH CL 61 FT
FIXED BRIDGE HOR CL 28 FT VERT CL 8 FT (HOR CL 24 FT AT ABANDONED BRIDGE OPENING) OVHD PWR AND T CABS AUTH CL 28 FT
Pipeline Area
Discontd Spoil Area
Morris and Cummings Cut
ARANSAS CHANNEL
Ransom Island
Lydia Ann Island
Obstructions Wells and Pipelines
OVHD PWR CAB
TOWER (ABAND LT)
Cable Area
Grass
PORT ARANSAS AND ARANSAS PASS
CORPS OF ENGINEERS REPORT OF JUNE 1980

DESCRIPTIVE REPORT TO ACCOMPANY
HYDROGRAPHIC SURVEY H-10328
(Field No. AHP-10-03-90)
Scale:1:10,000
1990
Atlantic Hydrographic Party Two
Chief of Party: Lt. Cdr. Dale Ross, NOAA

A. PROJECT

This survey was conducted in accordance with Hydrographic Project Instructions OPR-K229-AHP2, Corpus Christi and Aransas bays, Texas, dated September 14, 1989, Change No. 1 dated ~~October~~ December 21, 1989, and Change No. 2 dated January 10, 1990.

The purpose of project OPR-K229-AHP2 is to provide contemporary hydrography for the maintenance of existing charts and the construction of a new chart for the naval base at Ingleside, Texas.

This survey is designated sheet 'K' in the project instructions.

B. AREA SURVEYED

The area surveyed for H-10328 is bounded on the west by 097°08'W, 27°54'38"N on the north, 27°48'46"N on the south, and by 097°02'W on the east.

Per Section 1.8 of the project instructions, main scheme lines were run to the 2-foot depth curve. This was not always accomplished, see page 3, pertaining to abnormally low tides.

This survey was conducted from Febuary 22, 1990 (DN 053) to April 09, 1990 (DN 099).

C. SOUNDING VESSEL

Vessel 0518 (EDP No. 0518), a 21-foot MonArk, was the only sounding vessel used during this survey. Sounding lines were run at 100-meter spacing, per Section 4.3 of the hydrographic manual.

D. SOUNDING EQUIPMENT AND CORRECTIONS TO ECHO SOUNDINGS

1. SOUNDING EQUIPMENT

The following Raytheon DE-719-C fathometer was used for this survey:

EDP #	S/N	Days
0518	10744	053,054,057,074,075,078,080 081,082,085,086,087,088,089 093,094,099.

Soundings were recorded in feet using the Raytheon DE-719-C fathometer with an assumed speed of sound through water of 4800 ft/sec. Depths encountered in the survey area range from 1 foot to 58 feet.

The digitized soundings matched the fathometer's trace to plus or minus 0.2 foot through constant observation and adjustment of the tide and draft knob.

2. CORRECTIONS TO ECHO SOUNDINGS

Corrections for the speed of sound through the water column were computed from data obtained with a Digibar speed of sound probe, serial numbers (s/n) 155. Program 'Velocity' was used for determining the speed of sound correctors.

After graphic comparison of sound speed cast corrector data, the following speed of sound correctors were applied during semi-smooth and final plotting on the HDAPS.

Table Applied	Cast	Day	Depth(m)	Location	Days
1	1	045	14	27°50'00" N 097°06'30" W	053-056
2	2	057	16	27°50'28" N 097°05'00" W	057-073
3	3	074	16	27°50'00" N 097°06'00" W	074-079
4	4	080	06	27°53'30" N 097°07'10" W	080-088
5	5	089	06	27°53'30" N 097°07'10" W	089-099

A data quality assurance test was performed prior to each speed of sound cast to assure proper working condition of the probe. Speed of sound tables are included in the Separates Following Text.*

Lead line comparisons were performed daily, excluding days of harsh weather, to determine instrument error and to verify static draft. The instrument errors computed varied from -0.3 to +0.3 foot. These instrument corrections were not applied to the final field sheet soundings, but are included in the Separates* Following Text. Instrument correctors are essentially incorporated in the velocity correctors as each cancelled out the other.

A static draft correction was determined by measurements performed at Redfish Bay Terminal on November 13, 1989 (DN 317). These data were applied to all soundings acquired with the Raytheon DE-719-C echo sounders. The 1.2 feet static draft correction was applied to all sounding data. The offset table (table #1), is included with the Separates Following Text.*

Settlement and squat measurements for vessel 0518 were performed on November 13, 1989 (DN 317), at Redfish Bay Terminal, using the NOS prescribed level rod method (Zeiss level S/N 59972). Settlement and squat correctors were determined and applied to all survey data.

Predicted tides, MLLW datum, were applied to all soundings using the reference station and correctors designated in the project instructions. The tides in the project area are strongly influenced by weather, ie. strong sustained winds. Unverified water level correctors were determined from the gauges maintained by AHP-2 and compared to the predicted correctors to identify periods when actual and predicted tides were not in agreement. These differences were monitored and used to determine if sounding disagreements were due to tidal errors.

Weather conditions during this survey produced anomalously low tides at times. These conditions prevented the required two foot depth curves from being reached at the inshore termini of some survey lines.

Approved water levels were requested from the Sea and Lake Levels Branch in a letter dated April 16, 1990. A copy of the letter is included in the Separates Following Text.*

E. HYDROGRAPHIC SHEETS✓

The survey scale is 1:10,000. This survey required two sheets due to the present limits on the plotter sheet sizes. The sheets are listed as sheets number 11 and number 12. All sheets were produced by AHP-2 employees with the HDAPS on the Bruning

* Filed with the hydrographer's data

ZETA 824 plotter. A list of sheets submitted for H-10328 Follows. (Note: Quantities of "2" indicate 1 for PS#11 and 1 for PS#12):

Sheet	Scale	Quantity
Field Sheet	1:10,000	2
Edited Trackline	1:10,000	2
Final Field Sheet	1:10,000	2
Overlay	1:10,000	2

Main scheme hydrography, crosslines, and horizontal control stations used during the survey are plotted on the final field sheet. Channel lines, detached positions, bottom samples, and horizontal control stations are plotted on the overlay. All soundings on the final field sheet are corrected for draft, water levels, settlement and squat, and speed of sound through water.

All survey sheets were submitted, with the descriptive report and a journal, to the Pacific Hydrograhpic Section in Seattle, Washington. The journal, labeled '0518,' includes photographs.

F. CONTROL STATIONS

The horizontal control datum for this project is the North American Datum of 1983.

All horizontal control stations used on this survey were stations set by the Coastal Surveys Unit using third order, class I traverse and intersection methods. The horizontal control report was written within the Coastal Surveys Unit and was forwarded to the Atlantic Hydrographic Section in Norfolk, Virginia. Reference Geodetic control Report HC-9901 and CM 8716.

Geographic positions for all control stations used on this survey are underlined and included with the station list in the Separates Following Text.

G. HYDROGRAPHIC POSITION CONTROL

Survey Methods

Hydrographic position control was accomplished using the Mini-Ranger Falcon 484 system which provided accuracy to meet 1:10,000 scale survey requirements. Range/range positioning, was used during this project. A survey network was set up to allow four reference stations to be accessed simultaneously by the HDAPS. However, due to the long distances between stations and

the low signal strength as a direct result of these long distances, a large part of the data acquisition phase was subject to the use of three and sometimes two LOP's in lieu of the desired four. The following onboard Falcon Mini-Ranger equipment was used:

VESNO	Equipment	S/N
0518	RPU	D0017
	R/T	E2965

Positions which had erratic lines of position, indicated by high residuals on the 'raw' listing, were 'smoothed' during processing. Positions were 'smoothed' by dead reckoning between two accurate positions. If more than five consecutive positions had high residuals with an erratic track plot, the data were rejected and later rerun. In areas where only two lines of position were received, the 'raw' listing would indicate the angle of intersection between these lines enclosed by brackets. If more than five consecutive positions were outside of the 30 to 150 degree intersection margin, the data were normally rejected and later rerun. If less than five positions were outside the 30 to 150 degree margin, the positions were smoothed. Occasionally, the residual values were greater than 5 meters, yet the trackline plot showed that the position of the survey vessel was accurate. In those instances, the data were considered adequate and were plotted with the other data on the final field sheet.

Critical System Checks ✓

Fixed point system checks were performed for Mini-Ranger reference units installed on control stations being used for this survey, and when relocating reference stations to new locations. All fixed point check values were less than 5 meters which is within the required limits stated in the field procedures manual. Results of these fixed point checks are included in the Separates Following Text.

Mini-Ranger Falcon Calibrations ✓

Baseline calibrations were performed to the standards of Section 3.1.2.1 of the field procedures manual. The baseline values were incorporated into the Comflex 'C-O' table and applied directly to all 'on-line' data. All records of these calibrations are included in the Separates Following Text. Filed with the hydrographic data.

A closing baseline calibration was not performed since the survey was conducted in less than a six month period.

H. SHORELINE See Section 2 of Evac Report

Shoreline drawn on the final field sheet originates with a 1:10,000 scale photographic enlargement of topographic map TP-01198. This shoreline manuscript was compiled on NAD 1927 while this survey was run using the NAD 1983. Comparisons of hydrography to shoreline was accomplished using approximate datum shift values provided by N/CG2441.

Shoreline was verified by its junction with hydrographic data and by visual inspection when possible. The shallow water close to shore usually prevented approaching closer than 100 meters. The majority of shoreline appeared to conform to the general characteristics depicted on the photographic and topographic enlargements previously mentioned. Changes in shoreline are shown in red ink on the final field sheet. Verified shoreline is shown in black ink on the final field sheet. Shoreline not verified is shown in blue ink.
No blue ink is shown on the smooth sheet.

All offshore items depicted on the shoreline manuscripts were transferred to the field sheets and were entered into the Comflex 'target' function for direct verification. These items were then sought out and labeled on the field sheets as either 'existing' or 'nonexisting.' All items within the survey area that were not found on the shoreline manuscripts were positioned, and described.

I. CROSSLINES ✓

A total of 9 linear nautical miles of crosslines were run on H-10328 which equals 6% of the main scheme hydrography. Due to the narrow bodies of water surveyed the Channel lines that were run, were used for main scheme sounding comparisions, however they were not used in crossline mileage or percent figures. These soundings agree within one foot of the main scheme soundings.

J. JUNCTIONS See Evac Report Section 5

This sheet junctions with H-10322 (1989) to the east, and H-10332 (1990) to the west, and H-10323 (1989) to the south. The soundings between this survey, H-10323, H-10332, and H-10322 agree to within 1 foot. The depth curves between the four surveys junction smoothly. Survey H-10360 (1990-91) junction to the north.

K. COMPARISON WITH PRIOR SURVEYS See Evac Report section 6

The present survey was compared to the following prior survey:

SURVEY	DATE	SCALE
H-5613	1934	1:20,000
H-5694	1934-35	1:20,000
H-5693	1935	1:20,000

Comparison between this survey's soundings and soundings from survey H-5694 agree to within one foot. Depth curves on the two surveys generally agree. Bottom samples from the current and prior surveys tend to agree.

The present survey was also compared to the following prior topographic map:

MAP	DATE	SCALE
T-9179	1948-51	1:20,000
T-9185	1948-51	1:20,000
T-9184	1948-51	1:20,000

In general shoreline depicted on this survey has varied little. Most offshore features, such as piles, were not found.

L. COMPARISON WITH THE CHART See Evac Report section 7

Comparisons were made with the following charts covering the present survey area:

Chart No.	Edition	Edition Date
11308	15th	July 9, 1988
11314	15th	August 15, 1987
11314	16th	JAN. 20, 1990
11359	30th	Dec. 2, 1989

In general, the soundings from this survey compared to within 2 feet of the charted soundings from charts 11314 and 11308. These variances reflect deeper depths which are attributed to wind and tidal conditions. There were noted changes in the soundings controlling passage to Morris and Cummings Cut, these are marked on the accompaning chart blowups along with other changes.

All AWOIS items (total of 46) were addressed, or assigned to future surveys to be commenced during the 1990 season. These items appear on the overlay sheets, and are discussed in the descriptive report on form sheets following seperates. All AWOIS items are listed in sequential order of AWOIS numbers. See Evac Report section 7

M. ADEQUACY OF SURVEY See Final Report Sections 4, 6, 7, 9

This survey is a complete basic hydrographic survey and is adequate to supersede all prior surveys within the common area. concur

N. AIDS TO NAVIGATION See Final Report Section 7

~~Nine~~ ~~Seven~~ floating aids to navigation are located in the survey area.

There were ~~28~~ 25 non-floating aids to navigation located within the survey area. The surveyed positions of these aids are listed below.

Non-Floating Aid	Survey Position	Light List Position
27135 Light 1 Green square, lighted	27°50'18.4"N 097°04'55.8"W	No published position
27140 Light 7 Green square, lighted	27°50'03.9"N 097°06'13.5"W	No published position
27195 Light 13 Green square, lighted	27°49'48.5"N 097°07'35.9"W	No published position
27200 Light 14 Red triangle, lighted	27°49'57.3"N 097°07'38.2"W	No published position
27145 Light 8 Red triangle, lighted	27°50'12.3"N 097°06'16.1"W	No published position
27210 Light 20 Red triangle, lighted	27°49'43.4"N 097°08'52.5"W	No published position
27010 Daybeacon 5 Green square	27°52'23.5"N 097°05'25.2"W	No published position
27015 Daybeacon 6 Red triangle	27°52'25.5"N 097°05'21.5"W	No published position
27020 Daybeacon 8 Red triangle	27°52'48.8"N 097°05'47.7"W	No published position
27030 Light 10 Red triangle, lighted	27°52'56.8"N 097°05'56.9"W	No published position
27040 Daybeacon 11 Green square	27°53'29.0"N 097°06'39.3"W	No published position

Non-Floating Aids	Survey Position	Light List Position
27045 Light 12 Red triangle, lighted	27°53'33.1"N 097°06'37.8"W	No published position
27050 Daybeacon 13 Green square, lighted	27°53'31.7"N 097°06'45.6"W	No published position
27060 Daybeacon 14 Red triangle	27°53"44.2"N 097°07'24.3"W	No published position
27065 Light 16 Red triangle, lighted	27°53'48.2"N 097°07'41.0"W	No published position
27070 Daybeacon 18 Red triangle	27°53'52.7"N 097°07'57.4"W	No published position
35940 Light 41 Green square	27°52'58.2"N 097°08'33.5"W	No published position
35950 Daybeacon 43 Green square	27°52'43.3"N 097°08'50.7"W	No published position
27075 Light 19 Green square, lighted	27°53'51.8"N 097°08'06.4"W	No published position
Daybeacon 20 Red triangle	27°53'55.7"N 097°08'08.0"W	No published position

There were charted pipelines and overhead cables in this survey area. The pipeline crossing signs in the surveyed area were positioned and appear on the overlay sheet. All overhead cable crossings in the surveyed area were varified to the charted clearances by optical tape measurements with no noticed errors.

O. STATISTICS ✓

Description	VESNO 0519
Total Positions	2018
Detached Positions	89
Total Nautical Miles of Hydrography	169
Sq. Nautical Miles of Hydrography	8
Bottom Samples	71
AML and Digibar casts	5
Tide Stations	9
Days of Production	18

P. MISCELLANEOUS

Bottom samples were taken and submitted to the Smithsonian Institution as directed in Section 6.7 of the project instructions. Seventy two bottom samples were transmitted on 4 April 1990. Bottom sample positions are plotted on the overlay and are listed on the Oceanographic Log Sheet, NOAA Form 75-44, which may be found in the Separates Following Text. FILED with the hydrographic data.

Center lines were run in canals and the parts of the Intracoastal Waterway within the survey limits. Channel edges were, likewise, run in the Intracoastal Waterway section.

Q. RECOMMENDATIONS

Not applicable.

R. AUTOMATED DATA PROCESSING

The HDAPS utilizing software provided by N/CG24, was the only system used to acquire and process sounding data for this survey.

The following non-HDAPS computer programs were also used:

Program		Version	Date
VELOCITY	Velocity Computations (IBM PC)	1.0 extended	9/89
MTEN3 with enhancements	Geodetic Computations (IBM PC)		6/88

S. REFERRAL TO REPORTS

Title	Transmittal Information
Descriptive Report To Accompany Survey H-10323	Pacific Hydrographic Section N/CG245 Seattle, WA
Descriptive Report To Accompany Survey H-10326	Pacific Hydrographic Section N/CG245 Seattle, WA
Horizontal Control Report for OPR-K299-AHP2	Field Photogrammetry Section N/CG233 Norfolk, VA

Title	Transmittal Information
Chart Sales Agent Report	Chart Distribution Branch N/CG33 Rockville, MD
User Evaluation Report	Atlantic Hydrographic Section N/CG244 Norfolk, VA
Chart Inspection Report	Atlantic Hydrographic Section N/CG244 Norfolk, VA
Coast Pilot Report	Coast Pilot Section Mapping and Charting Branch N/CG223 Rockville, MD

Submitted by:

David B. Elliott, Launch Hydrographer in Charge

AWOIS # 4881 DATE: 04 APR 90 (094)

CHART # 11308 LAUNCH # 0518

ITEM DESCRIPTION: MARKER ,REVISED TO SUBM PILE

SOURCE: BP87375--1973 RU/HE CHART INSPECTION
CL1274/82--USPS

****

GEODETIC POSITION	LATITUDE N	LONGITUDE W	POSITION #
CHARTED:	27-49-38.0	097-08-33.9	AWOIS LISTING
OBSERVATIONS:	27-49-38.0	097-08-33.8	1973

POSITION DETERMINED BY: THREE LOPS R/R (STA 007,051,063)

METHOD OF INVESTIGATION: DIVER INVESTIGATION WITH 50m CIRCLE SEARCH.

FINDINGS: NOTHING FOUND.

****

DIVE INVESTIGATION : YES ~~NO~~ XX

DIVERS: DAVID ELLIOTT, MARTY CONRICOTE

SEARCH RADIUS: 50m

WATER VISIBILITY: ~~3FT~~ XXX 4-5 FT

MAX DEPTH: 20FT BOTTOM TIME: 20min LEAST DEPTH: 16FT

FINDINGS: CIRCLE SEARCH REVEALED NOTHING.

CHARTING RECOMMENDATIONS: HYDROGRAPHER RECOMMENDS REMOVAL FROM CHARTS. ✓
Concur

AWOIS # 4882 DATE: 04 APR 90 (094)

CHART # 11308 LAUNCH # 0518

ITEM DESCRIPTION: VISABLE PILE

SOURCE: UNKNOWN

****

GEODETIC POSITION	LATITUDE N	LONGITUDE W	POSITION #
CHARTED:	27-49-39.0	097-08-22.9	AWOIS LISTING
OBSERVATIONS:	27-49-39.1	097-08-22.9	1974

POSITION DETERMINED BY: THREE LOPS (R/R STA 007,051,063)

METHOD OF INVESTIGATION: DIVE INVESTIGATION

FINDINGS: NOTHING FOUND.

****

DIVE INVESTIGATION : YES XXX
DIVERS: D. ELLIOTT, M. CONRICOTE
SEARCH RADIUS: 100m
WATER VISIBILITY: 3-4FT
MAX DEPTH: 10FT BOTTOM TIME: 20min LEAST DEPTH: 9FT

FINDINGS: CIRCLE SEARCH REVEALED NOTHING.

CHARTING RECOMMENDATIONS: HYDROGRAPHER RECOMMENDS REMOVAL FROM CHARTS.

Concur

AWOIS # 4883

DATE: 04 APR 90 (094)

CHART # 11308

LAUNCH # 0518

ITEM DESCRIPTION: ~~VISABLE~~ subm PILE

SOURCE: UNKNOWN

****

GEODETIC POSITION	LATITUDE N	LONGITUDE W	POSITION #
CHARTED:	27-49-34.0	097-08-43.9	AWOIS LISTING
OBSERVATIONS:	27-49-33.9	097-08-43.9	1975

POSITION DETERMINED BY:FOUR LOPS (R/R STA 007,014,051,063)

METHOD OF INVESTIGATION: DIVE INVESTIGATION.

FINDINGS: NOTHING FOUND. DAYMARK #19, FL G LOCATED APPROXIMATELY 60m FROM DIVE SIGHT.

****

DIVE INVESTIGATION : YES ~~NO~~

DIVERS:D. ELLIOTT, M. CONRICOTE

SEARCH RADIUS:100m

WATER VISIBILITY: 3FT

MAX DEPTH:8FT BOTTOM TIME: 20min LEAST DEPTH: 4FT

FINDINGS: NOTHING FOUND.

CHARTING RECOMMENDATIONS: HYDROGRAPHER RECOMMENDS REMOVAL FROM CHARTS. Concur

AWOIS # 4885 DATE: 04APR90 (094)

CHART # 11308 LAUNCH # 0518

ITEM DESCRIPTION: SUBM PILING.

SOURCE: NM13/58

****

GEODETIC POSITION	LATITUDE N	LONGITUDE W	POSITION #
CHARTED:	27-49-42.0	097-08-03.9	AWOIS LISTING
OBSERVATIONS:	27-49-42.0	097-08-04.0	1976

POSITION DETERMINED BY: THREE LOPS (R/R STA 007,051,063)

METHOD OF INVESTIGATION: DIVE INVESTIGATION.

FINDINGS: 2-3inch DIAMETER STAKES BROKEN OFF FLUSH WITH THE BOTTOM.
NO DANGER TO NAVIGATION. NO PILE FOUND,

****

DIVE INVESTIGATION : YES XXX
DIVERS: D.ELLIOTT, M. CONRICOTE
SEARCH RADIUS: 100m
WATER VISIBILITY: 3FT
MAX DEPTH: 10FT BOTTOM TIME: 25min LEAST DEPTH: 8FT

FINDINGS: SEE ABOVE FINDINGS.

CHARTING RECOMMENDATIONS: HYDROGRAPHER RECOMMENDS REMOVAL FROM CHARTS AS AMOUNT OFF DEBRIS FOUND DOES NOT POSE A DANGER TO NAVIGATION NOR IS IT CONSIDERED TO BE OF ANY ~~SIGNIFICANCE.~~ SIGNIFICANCE. Concur

AWOIS #4886 DATE: 04APR90(094)

CHART # 11308 LAUNCH # 0518

ITEM DESCRIPTION: SUBM PILE

SOURCE: BP65087--10/63COE

****

GEODETIC POSITION	LATITUDE N	LONGITUDE W	POSITION #
CHARTED:	27-49-44.0	097-08-42.9	AWOIS LISTING
OBSERVATIONS:	27-49-44.0	097-08-42.8	1977

POSITION DETERMINED BY: THREE LOPS (R/R STA 007,051,063)

METHOD OF INVESTIGATION: DIVE INVESTIGATION.

FINDINGS: NOTHING FOUND.

****

DIVE INVESTIGATION : YES XXXX NO

DIVERS: D. ELLIOTT, M. CONRICOTE
SEARCH RADIUS: 100m
WATER VISIBILITY: 4-6FT
MAX DEPTH: 30FT BOTTOM TIME: 30min LEAST DEPTH: 27FT

FINDINGS: NOTHING FOUND.

CHARTING RECOMMENDATIONS: HYDROGRAPHER RECOMMENDS REMOVAL FROM CHARTS!

Concur

AWOIS # 4887 DATE: 04APR90 (094)

CHART # 11308 LAUNCH # 0518

ITEM DESCRIPTION: PILE REMAINS

SOURCE: BP87375--1973
CL1274/82--USPS

****

GEODETIC POSITION	LATITUDE N	LONGITUDE W	POSITION #
CHARTED:	27-49-48.0	097-08-34.9	AWOIS LISTING
OBSERVATIONS:	27-49-48.1	097-08-34.9	1978

POSITION DETERMINED BY: THREE LOPS (R/R STA 018,051,063)

METHOD OF INVESTIGATION: DIVE INVESTIGATION

FINDINGS: NOTHING FOUND.

****

DIVE INVESTIGATION : YES XNOx
DIVERS:D.ELLIOTT, M. CONRICOTE
SEARCH RADIUS: 50m
WATER VISIBILITY: 4-6FT
MAX DEPTH: 8FT BOTTOM TIME: 20min LEAST DEPTH: 9FT

FINDINGS: NOTHING FOUND.

CHARTING RECOMMENDATIONS: HYDROGRAPHER RECOMMENDS REMOVAL FROM CHARTS.

concur

AWOIS #4888 DATE: 04APR90 (094)

CHART # 11308 LAUNCH # 0518

ITEM DESCRIPTION: SUBM PILE

SOURCE: BP65087--10/63

****

GEODETIC POSITION	LATITUDE N	LONGITUDE W	POSITION #
CHARTED:	27-49-59.0	097-08-09.9	AWOIS LISTING
OBSERVATIONS:	27-49-59.1	097-08-09.9	1979

POSITION DETERMINED BY: FOUR LOPS (R/R STA 018,051,063,014)

METHOD OF INVESTIGATION: DIVE INVESTIGATION.

FINDINGS: NOTHING FOUND.

****

DIVE INVESTIGATION : YES ~~NO~~ XXX
DIVERS: D. ELLIOTT, M. CONRICOTE
SEARCH RADIUS: 50m
WATER VISIBILITY: 4-6FT
MAX DEPTH: 10FT BOTTOM TIME: 22min LEAST DEPTH: 9FT

FINDINGS: NOTHING FOUND.

CHARTING RECOMMENDATIONS: HYDROGRAPHER RECOMMENDS REMOVAL FROM CHARTS.

Concur

AWOIS # 4889 DATE: 04APR90 (094)

CHART # 11308 LAUNCH # 0518

ITEM DESCRIPTION: PLATFORM RUINS

SOURCE: BP65087--10/63
CL602/86--USPS

****

GEODETIC POSITION	LATITUDE N	LONGITUDE W	POSITION #
CHARTED:	27-49-46.0	097-07-46.9	AWOIS LISTING
OBSERVATIONS:	27-49-46.0	097-07-47.0	1980 (SEARCH CENTER)
	27-49-45.6	097-07-45.4	1981 (ITEM CENTER)

POSITION DETERMINED BY: POSITION #1980 BY THREE LOPS (R/R STA 018,051,063)
POSITION #1981 BY THREE LOPS (R/R STA 051,063,014)

METHOD OF INVESTIGATION: DIVE INVESTIGATION.

FINDINGS: 4inch DIAMETER PIPE 12FT IN LENGTH, LYING HORIZONTAL TO THE BOTTOM WITH LESS THAN 1 FT ELEVATION FROM THE BOTTOM. LEAST DEPTH OF ITEM WAS FOUND TO BE ~~8.5~~ 9.0 FT BY LEADLINE. ITEM IS LYING DUE NORTH AND POSES NO DANGER TO NAVIGATION. A 12 x 12 FT AREA OF SILT COVERS AREAS G.P. .

****

DIVE INVESTIGATION : YES ~~XXX~~
DIVERS: D. ELLIOTT, M. CONRICOTE
SEARCH RADIUS: 100m FROM POSITION 1980
WATER VISIBILITY: 4-6 FT
MAX DEPTH: 15FT (1980) BOTTOM TIME: 35min LEAST DEPTH: N/A
10FT (1981) 20min ~~8.5~~ 9.0FT
FINDINGS: SEE ABOVE FINDINGS

CHARTING RECOMMENDATIONS: HYDROGRAPHER RECOMMENDS CHARTING SUBM "PLATFORM RUINS" AT POSITION LISTED FOR POSITION # 1981, NO DANGER TO NAVIGATION EXIST. Concur

AWOIS #4890 DATE: 19MAR90(078)

CHART #11308 LAUNCH # 0518

ITEM DESCRIPTION: PILE PA

SOURCE: CL602/86 USPS

****

GEODETIC POSITION	LATITUDE N	LONGITUDE W	POSITION #
CHARTED:	27-50-02.0	097-06-27.9	AWOIS LISTING
OBSERVATIONS:	27-50-01.3	097-06-23.8	804

POSITION DETERMINED BY: THREE LOPS (R/R STA 051,063,007)

METHOD OF INVESTIGATION: VISUAL

FINDINGS: 10inch DIAMETER WOODEN PILE BARING ~~4~~ 5 FT

****

DIVE INVESTIGATION : ~~XXXX~~ NO
DIVERS:
SEARCH RADIUS:
WATER VISIBILITY:
MAX DEPTH: BOTTOM TIME: LEAST DEPTH:

FINDINGS:

CHARTING RECOMMENDATIONS: HYDROGRAPHER RECOMMENDS CHARTING OF A PILE BARING ~~4~~ 5 FT AT THE SURVEYED POSITION. concur, delete charted pile PA at charted position.

AWOIS # 4891 DATE: 19MAR90(078)

CHART # 11308 LAUNCH # 0518

ITEM DESCRIPTION: PILE PA

SOURCE: CL602/86--USPS

****

GEODETIC POSITION	LATITUDE N	LONGITUDE W	POSITION #
CHARTED:	27-50-03.0	097-06-23.9	AWOIS LISTING
OBSERVATIONS:	27-50-01.6	097-06-28.9	805

POSITION DETERMINED BY: THREE LOPS (R/R STA051,063,007)

METHOD OF INVESTIGATION: VISUAL

FINDINGS: 10inch DIAMETER PILE,, BARING 180 FT. (ENTRANCE TO ISLAND MOORINGS).

****

DIVE INVESTIGATION : ~~YES~~ NO
DIVERS:
SEARCH RADIUS:
WATER VISIBILITY:
MAX DEPTH: BOTTOM TIME: LEAST DEPTH:

FINDINGS:

CHARTING RECOMMENDATIONS: HYDROGRAPHER RECOMMENDS CHARTING OF PILE AT SURVEYED POSITION. Concur, delete charted pile

AWOIS # 4893 DATE: 23MAR90 (082)

CHART # 11314 LAUNCH # 0518

ITEM DESCRIPTION: VISABLE PILE

SOURCE: UNKNOWN

****

GEODETIC POSITION	LATITUDE N	LONGITUDE W	POSITION #
CHARTED:	27-52-58.0	097-08-38.9	AWOIS LISTING
OBSERVATIONS:	27-52-57.5	097-08-39.9	1556

POSITION DETERMINED BY: THREE LOPS (R/R STA 014,051,063)

METHOD OF INVESTIGATION: VISUAL AND SOUNDINGS FROM M/S HYDROGRAPHY.

FINDINGS: NOTHING FOUND WITHIN THE 100m AREA.

****

DIVE INVESTIGATION : XXXXX NO

DIVERS:

SEARCH RADIUS:

WATER VISIBILITY:

MAX DEPTH: BOTTOM TIME: LEAST DEPTH:

FINDINGS:

CHARTING RECOMMENDATIONS: HYDROGRAPHER RECOMMENDS REMOVAL FROM THE CHARTS.

Concur

AWOIS # 4898 DATE: 09APR90 (099)

CHART # 11314 LAUNCH # 0518

ITEM DESCRIPTION: VISABLE PILE

SOURCE: UNKNOWN

****

GEODETIC POSITION	LATITUDE N	LONGITUDE W	POSITION #
CHARTED:	27-53-13.0	097-08-27.9	AWOIS LISTING
OBSERVATIONS:	27-53-12.6	097-08-27.5	2015

POSITION DETERMINED BY: THREE LOPS (R/R STA 007,014,051)

METHOD OF INVESTIGATION: DIVE INVESTIGATION

FINDINGS: NOTHING FOUND

****

DIVE INVESTIGATION : YES XXX NO

DIVERS: D. ELLIOTT, B. RAMSEY
SEARCH RADIUS: 50m
WATER VISIBILITY: 3FT
MAX DEPTH: 12 FT BOTTOM TIME: 15min LEAST DEPTH: 2FT

FINDINGS: NOTHING FOUND.

CHARTING RECOMMENDATIONS: HYDROGRAPHER RECOMMENDS REMOVAL FROM CHARTS.

Concur

AWOIS # 4899 DATE: 09APR90 (099)

CHART # 11314 LAUNCH # 0518

ITEM DESCRIPTION: VISABLE PILE

SOURCE: UNKNOWN

****

GEODETIC POSITION	LATITUDE N	LONGITUDE W	POSITION #
CHARTED:	27-53-23.0	097-08-21.9	AWOIS LISTING
OBSERVATIONS:	27-53-22.9	097-08-22.0	2016

POSITION DETERMINED BY: THREE LOPS (R/R STA 007,014,051)

METHOD OF INVESTIGATION: DIVE INVESTIGATION

FINDINGS: NOTHING FOUND.

****

DIVE INVESTIGATION : YES XXXX
DIVERS: D. ELLIOTT, M. CONRICOTE
SEARCH RADIUS: 50m
WATER VISIBILITY: 3FT
MAX DEPTH: 12FT BOTTOM TIME: 15min LEAST DEPTH: 3FT

FINDINGS: NOTHING FOUND

CHARTING RECOMMENDATIONS: HYDROGRAPHER RECOMMENDS REMOVAL FROM CHARTS.

Concur

AWOIS # 4900 DATE: 09APR90 (099)

CHART # 11314 LAUNCH # 0518

ITEM DESCRIPTION: TWO VISABLE PILES. CENTERED.

SOURCE: UNKNOWN .

****

GEODETIC POSITION	LATITUDE N	LONGITUDE W	POSITION #
CHARTED:	27-53-39.0	097-08-07.9	AWOIS LISTING
OBSERVATIONS:	27-53-38.9	097-08-06.7	2010

POSITION DETERMINED BY: THREE LOPS (R/R STA 007,014,051)

METHOD OF INVESTIGATION: VISUAL .

FINDINGS: ONE VISABLE PILE 10inch DIAMETER, IN SHOAL WATER INACCESIBLE BY LAUNCH. BARES 8FT.

****

DIVE INVESTIGATION : ~~XXXX~~ NO
DIVERS:
SEARCH RADIUS:
WATER VISIBILITY:
MAX DEPTH: BOTTOM TIME: LEAST DEPTH:

FINDINGS:

CHARTING RECOMMENDATIONS: HYDROGRAPHER RECOMMENDS CHARTING OF PILE BARING 1 8FT. Do Not concur, see Final Report, section 7a. Retain charted piles.

AWOIS # 4994 DATE: 19MAR90 (078)

CHART # 11308 LAUNCH # 0518

ITEM DESCRIPTION: PLATFORM VISIBLE

SOURCE: TP-01198/82--83
CL1082/75--USPS

****

GEODETIC POSITION	LATITUDE N	LONGITUDE W	POSITION #
CHARTED:	27-50-04.0	097-06-10.9	AWOIS LISTING
OBSERVATIONS:	27-50-~~18.3~~ Ø3.7	097-06-12.5	802

POSITION DETERMINED BY: THREE LOPS (R/R STA 051,063,007)

METHOD OF INVESTIGATION: VISUAL

FINDINGS: 10 FT SQUARE WOODEN PLATFORM IN RUINS BARES 6FT.

****

DIVE INVESTIGATION : ~~XXXX~~ NO
DIVERS:
SEARCH RADIUS:
WATER VISIBILITY:
MAX DEPTH: BOTTOM TIME: LEAST DEPTH:

FINDINGS:

CHARTING RECOMMENDATIONS: HYDROGRAPHER RECOMMENDS CHARTING PLATFORM RUINS AT SURVEYED POSITION. Concur, Delete charted platform.

AWOIS # 4995

DATE: 03APR90 (093)

CHART # 11308

LAUNCH # 0518

ITEM DESCRIPTION: SUBM PILE

SOURCE: T-9185/47--48

****

GEODETIC POSITION	LATITUDE N	LONGITUDE W	POSITION #
CHARTED:	27-50-12.0	097-05-25.9	AWOIS LISTING
OBSERVATIONS:	27-50-11.9	097-05-26.0	1972

POSITION DETERMINED BY: FOUR LOPS (R/R STA007,014,051,063)

METHOD OF INVESTIGATION: DIVE INVESTIGATION.

FINDINGS: NOTHING FOUND.

****

DIVE INVESTIGATION : YES ~~XXX~~

DIVERS: D. ELLIOTT, M. CONRICOTE
SEARCH RADIUS: 50m
WATER VISIBILITY: 3-4FT
MAX DEPTH: 6FT BOTTOM TIME: 20min LEAST DEPTH: 4FT

FINDINGS: NOTHING FOUND.

CHARTING RECOMMENDATIONS: HYDROGRAPHER RECOMMENDS REMOVAL FROM CHARTS.

Concur

AWOIS # 4996 DATE: 03APR90 (093)

CHART # 11308 LAUNCH #0518

ITEM DESCRIPTION: PLATFORM PA

SOURCE: CL1418/80--USPS

****

GEODETIC POSITION	LATITUDE N	LONGITUDE W	POSITION #
CHARTED:	27-50-19.0	097-04-57.9	AWOIS LISTING
OBSERVATIONS:	27-50-19.0	097-04-58.0	1971

POSITION DETERMINED BY: THREE LOPS (R/R STA 007,051,063)

METHOD OF INVESTIGATION: DIVE INVESTIGATION.

FINDINGS: NOTHING FOUND.

****

DIVE INVESTIGATION : YES ~~NO~~

DIVERS: D. ELLIOTT, M. CONRICOTE

SEARCH RADIUS: 100m

WATER VISIBILITY: 3-4FT

MAX DEPTH: 10FT BOTTOM TIME: 20min LEAST DEPTH: 18FT

FINDINGS: NOTHING FOUND

CHARTING RECOMMENDATIONS: HYDROGRAPHER RECOMMENDS REMOVAL FROM THE CHARTS.

Concur

AWOIS # 4997 DATE: 03APR90 (093)

CHART # 11308 LAUNCH # 0518

ITEM DESCRIPTION: SUBM PILE

SOURCE: T-9185/47--48
BP87375--1973, RU/HE

****

GEODETIC POSITION	LATITUDE N	LONGITUDE W	POSITION #
CHARTED:	27-50-19.0	097-04-52.9	AWOIS LISTING
OBSERVATIONS:	27-50-18.9	097-04-52.8	1970

POSITION DETERMINED BY: FOUR LOPS (R/R STA 007,014,051,063)

METHOD OF INVESTIGATION: DIVE INVESTIGATION

FINDINGS: NOTHING FOUND.

****

DIVE INVESTIGATION : YES XXXX
DIVERS: D. ELLIOTT, M. COCRICOTE
SEARCH RADIUS: 100m
WATER VISIBILITY: 3-4FT
MAX DEPTH: 15FT BOTTOM TIME: 20min LEAST DEPTH: 5FT (CHNN EDGE
Corpus Christi Channel Light
FINDINGS: NOTHING FOUND . ~~DAYMARK~~ #1 APPROXIMATLEY 100m FROM SEARCH AREA.
STRONG CURRENT.

CHARTING RECOMMENDATIONS: HYDROGRAPHER RECOMMENDS REMOVAL FROM CHARTS.
Concur

AWOIS # 4998 DATE:03APR90 (093)

CHART # 11308 LAUNCH # 0518

ITEM DESCRIPTION: SUBM WK

SOURCE: CL1649/68--USPS
CL344/70--RU/HE CL138/71--USPS

****

GEODETIC POSITION	LATITUDE N	LONGITUDE W	POSITION #
CHARTED:	27-50-22.0	097-04-41.9	AWOIS LISTING
OBSERVATIONS:	27-50-21.8	097-04-42.1	1969
	27-50-20.2	097-04-41.5	1968

POSITION DETERMINED BY: THREE LOPS (R/R STA007,014,051)

METHOD OF INVESTIGATION: DIVER INVESTIGATION.

FINDINGS: SHIMP BOAT HULL IN RUINS. 18.0FT ~~LEAST~~ DEPTH BY LEAD LINE. (Offshore end)
APPROXIMATE DEMINSIONS 50FT LOA, 15FT BEAM (POSITION 1969).
INSHORE END OF HULL IN RUINS WITH LD OF ~~4~~ 3 FT (POSITION 1968).
NOT CONSIDERED A DANGER TO NAVIGATION.

****

DIVE INVESTIGATION : YES XX~~NO~~XX
DIVERS: D. ELLIOTT, M. CONRICOTE
SEARCH RADIUS: 100m
WATER VISIBILITY: 3-4 FT
MAX DEPTH: 25FT BOTTOM TIME: 20min LEAST DEPTH: 18.0 FT (Offshore end)
8FT 15min ~~4~~ 3 FT (Least depth)
FINDINGS: SEE ABOVE FINDINGS

CHARTING RECOMMENDATIONS: HYDROGRAPHER RECOMMENDS CHARTING SUBM WK WITH LEAST DEPTH ~~18.0~~ 3.0 FT AT THE SURVEYED POSITION. NOT A DANGER TO NAVIGATION.
Concur, see smooth sheet for depiction.

NOTE: ploted AT CENTER POINT BETWEEN POSITION 1968 AND 1969. (Field Sheet)

AWOIS # 5021 DATE: 27MAR90 (086)

CHART # 11314 LAUNCH # 0518

ITEM DESCRIPTION: BRIDGE RUINS

SOURCE: UNKNOWN
CL464/75--USPS "PILE REPORTED AS NO LONGER VISABLE".

****

GEODETIC POSITION	LATITUDE N	LONGITUDE W	POSITION #
CHARTED:	27-51-49.0	097-04-48.9	AWOIS LISTING
OBSERVATIONS:	27-51-49.4	097-04-50.8	1623

POSITION DETERMINED BY: THREE LOPS (R/R STA 018,014,063)

METHOD OF INVESTIGATION: VISUAL.

FINDINGS: BRIDGE RUINS , EXTENDING FROM SHORE TO SHORE, BARING 2 3/4FT AND AWASH AT THE CENTER (LOCATION OF POSITION 1623). AXIS LIES PARALLEL TO ADJACENT CAUSEWAY. RUINS ARE NO MORE THAN 8m WIDE AT WIDEST POINT.

****

DIVE INVESTIGATION : ~~YES~~ NO
DIVERS:
SEARCH RADIUS:
WATER VISIBILITY:
MAX DEPTH: BOTTOM TIME: LEAST DEPTH:

FINDINGS:

CHARTING RECOMMENDATIONS: HYDROGRAPHER RECOMMENDS CHARTING OF BRIDGE RUINS CROSSING FROM SHORE TO SHORE, BOTH BARING TO 2 3/4FT ~~AND SUBM. OR FOUL AREA~~. Bridge ruins found is not Awois item 5021. The six subm piles were not investigated. Retain as charted.

AWOIS # 5022 DATE: 27MAR90 (086)

CHART # 11314 Llaunch # 0518

ITEM DESCRIPTION: VISABLE LANDING PIER RUINS.

SOURCE: CL464/75

****

GEODETIC POSITION	LATITUDE N	LONGITUDE W	POSITION #
CHARTED:	27-52-02.2	097-04-58.9	AWOIS LISTING
OBSERVATIONS:	27-52-04.1	097-04-56.0	1624

POSITION DETERMINED BY: FOUR LOPS (R/R STA 018,014,051,063)

METHOD OF INVESTIGATION: VISUAL.

FINDINGS: POSITION 5m FROM SHORE AT OFFSHORE CENTER OF TWO 4inch WOODEN PILES, REPORTED AS LANDING. NO OTHER PILES EXIST. THIS AREA IS WASHED OUT AND UNUSABLE AS A LANDING .

****

DIVE INVESTIGATION : ~~XXXX~~ NO

DIVERS:

SEARCH RADIUS:

WATER VISIBILITY:

MAX DEPTH: BOTTOM TIME: LEAST DEPTH:

FINDINGS:

CHARTING RECOMMENDATIONS: HYDROGRAPHER RECOMMENDS REMOVAL FROM THE CHARTS. concur
Dredging has occurred in the area of the Awois item. Depths in the area are 18 ft. Remove charted ruins rep, add piles at survey position.

AWOIS # 5023 DATE: 27MAR90 (086)

CHART # 11314 LAUNCH # 0518

ITEM DESCRIPTION: SUBM OBSTRUCTION, PA

SOURCE: LNM48/81(9/81)

****

GEODETIC POSITION	LATITUDE N	LONGITUDE W	POSITION #
CHARTED:	27-52-25.0	097-05-27.9	AWOIS LISTING
OBSERVATIONS:	27-52-25.9	097-05-28.8	1626

POSITION DETERMINED BY: FOUR LOPS (R/R STA 018,014,051,063)

METHOD OF INVESTIGATION: VISUAL

FINDINGS: 2FT DIAMETER CONCRETE MONUMENT IN 2-3FT OF WATER, WITH BRASS MARKER ON TOP. ITEM BARES 0.6FT HISTORICAL DATA FOLLOWS:
U.S.A.C.E. "1949" BM#140 .

****

DIVE INVESTIGATION : ~~YES~~ NO
DIVERS:
SEARCH RADIUS:
WATER VISIBILITY:
MAX DEPTH: BOTTOM TIME: LEAST DEPTH:

FINDINGS:

CHARTING RECOMMENDATIONS: HYDROGRAPHER RECOMMENDS CHARTING AN OBSTRUCTION AWASH AT TIMES AT THE SURVEYED POSITION. Concur Delete PA.

AWOIS # 5024 DATE: 27MAR90 (086)

CHART # 11314 LAUNCH # 0518

ITEM DESCRIPTION: OIL WELL PLATFORM

SOURCE: L445/80--USPS
TP01198/86--NOS

****

GEODETIC POSITION	LATITUDE N	LONGITUDE W	POSITION #
CHARTED:	27-53-33.0	097-06-17.9	AWOIS LISTING
OBSERVATIONS:	27-53-31.9	097-06-17.3	1639

POSITION DETERMINED BY: FOUR LOPS (R/R STA 018,014,051,063)

METHOD OF INVESTIGATION: VISUAL.

FINDINGS: SINGLE PETROLEUM PLATFORM 8FT SQUARE, BARES 12 FT.

****

DIVE INVESTIGATION : ~~YES~~ NO
DIVERS:
SEARCH RADIUS:
WATER VISIBILITY:
MAX DEPTH: BOTTOM TIME: LEAST DEPTH:

FINDINGS:

CHARTING RECOMMENDATIONS: HYDROGRAPHER RECOMMENDS CHARTING SINGLE PLATFORM AT THE SURVEYED POSITION. Concur, remove charted Platform PA.

AWOIS # 5025 DATE: 09APR90 (099)

CHART # 11314 LAUNCH # 0518

ITEM DESCRIPTION: MARKER PA

SOURCE: CL1225/74--USPS

****

GEODETIC POSITION	LATITUDE N	LONGITUDE W	POSITION #
CHARTED:	27-53-42.0	097-07-10.9	AWOIS LISTING
OBSERVATIONS:	27-53-41.6	097-07-11.2	1997

POSITION DETERMINED BY: THRE LOPS (R/R STA 007,014,051)

METHOD OF INVESTIGATION: DIVE INVESTIGATION

FINDINGS: NOTHING FOUND

****

DIVE INVESTIGATION : YES XXX
DIVERS: D. ELLIOTT, B. RAMSEY
SEARCH RADIUS: 100m
WATER VISIBILITY: 8FT
MAX DEPTH: 10 FT BOTTOM TIME: 25min LEAST DEPTH: 2FT

FINDINGS: SEE ABOVE FINDINGS

CHARTING RECOMMENDATIONS: HYDROGRAPHER RECOMMENDS REMOVAL FROM THE CHARTS.
concur

AWOIS # 5026 DATE: 09APR90 (099)

CHART # 11314 LAUNCH # 0518

ITEM DESCRIPTION:SUBM DANGEROUS WRECK PA

SOURCE: L1184/85--USPS

****

GEODETIC POSITION	LATITUDE N	LONGITUDE W	POSITION #
CHARTED:	27-53-43.0	097-07-36.9	AWOIS LISTING
OBSERVATIONS:	27-53-43.6	097-07-37.2	1996

POSITION DETERMINED BY: THREE LOPS (R/R STA 007,014,051)

METHOD OF INVESTIGATION: DIVE INVESTIGATION

FINDINGS: NOTHING FOUND BUT SILTTED LEDGES, NO EVIDANCE OF WRECK.

****

DIVE INVESTIGATION : YES XX

DIVERS:D. ELLIOTT, B. RAMSEY

SEARCH RADIUS: 100m

WATER VISIBILITY: 4FT

MAX DEPTH: 15FT BOTTOM TIME: 30min LEAST DEPTH: 2FT AT IN-SHORE SWEEP

FINDINGS: NOTHING

CHARTING RECOMMENDATIONS: HYDROGRAPHER RECOMMENDS REMOVAL FROM THE CHARTS AS SEARCH COVERED REPORTED AREA FROM INSHORE THROUGH CHANNEL . concur

AWOIS # 5028 DATE: 09APR90 (099)

CHART # 11314 LAUNCH # 0518

ITEM DESCRIPTION: SHOAL RPT WITH IMPASSABLE CHANNEL

SOURCE: CL995/82--USPS

****

GEODETIC POSITION	LATITUDE N	LONGITUDE W	POSITION #
CHARTED:	27-53-37.0	097-06-58.9	AWOIS LISTING
OBSERVATIONS:	27-53-39.7	097-06-59.8	1994*
	27-53-40.5	097-07-01.9	1995**

POSITION DETERMINED BY: THREE LOPS (R/R STA 007,014,051)

METHOD OF INVESTIGATION: SOUNDING LINES

FINDINGS: EXISTANCE OF PASSABLE CHANNEL. POSTIONS 1994 AND 1995 POSITION THE CHANNEL EDGES.

****

DIVE INVESTIGATION : ~~XXXX~~ NO

DIVERS:

SEARCH RADIUS:

WATER VISIBILITY:

MAX DEPTH: BOTTOM TIME: LEAST DEPTH:

FINDINGS:

CHARTING RECOMMENDATIONS: HYDROGRAPHER RECOMMENDS REMOVAL FROM THE CHARTS.

Do not concur, retain as charted, inadequate investigation

AWOIS # 5029 DATE: 09APR90 (099)

CHART # 11314 LAUNCH # 0518

ITEM DESCRIPTION: LIGHTED PLATFORM

SOURCE: CL1564/74--USPS , CL445/80--USPS , CL552/84--USPS

GEODETIC POSITION	LATITUDE N	LONGITUDE W	POSITION #
CHARTED:	27-53-49.0	097-06-13.9	AWOIS LISTING
OBSERVATIONS:	27-53-49.1	097-06-14.1	1993

POSITION DETERMINED BY: THREE LOPS (R/R STA 007,014,063)

METHOD OF INVESTIGATION: DIVE INVESTIGATION

FINDINGS: NOTHING FOUND.

DIVE INVESTIGATION : YES ~~NO~~ XXXX
DIVERS: D. ELLIOTT, B. RAMSEY
SEARCH RADIUS: 100m
WATER VISIBILITY: 3FT
MAX DEPTH: 10FT BOTTOM TIME: 30min LEAST DEPTH: 3FT @ SHORE AREA

FINDINGS:

CHARTING RECOMMENDATIONS: HYDROGRAPHER RECOMMENDS REMOVAL FROM THE CHARTS.

Concur

AWOIS # 5030 DATE: 09APR90 (099)

CHART # 11314 LAUNCH # 0518

ITEM DESCRIPTION: PLATFORM

SOURCE: UNKNOWN

****

GEODETIC POSITION	LATITUDE N	LONGITUDE W	POSITION #
CHARTED:	27-53-49.0	097-08-03.9	AWOIS LISTING
OBSERVATIONS:	27-53-47.9	097-08-03.4	2005

POSITION DETERMINED BY: THREE LOPS (R/R STA 007,014,051)

METHOD OF INVESTIGATION: VISUAL

FINDINGS: VISABLE PLATFORM, OFFSHORE END POSITIONED , SIGN ATTACHED TO OFFSHORE END READS "DO NOT ANCHOR, PETROLEUM PIPELINE.

****

DIVE INVESTIGATION : ~~XXESX~~ NO

DIVERS:

SEARCH RADIUS:

WATER VISIBILITY:

MAX DEPTH: BOTTOM TIME: LEAST DEPTH:

FINDINGS:

CHARTING RECOMMENDATIONS: HYDROGRAPHER RECOMMENDS CHARTING ~~PIPELINE CROSSING~~ Platform AT SURVEYED POSITION. concur, retain symbol as charted update digital position value.

AWOIS # 5031

CHART # 11314

DATE: 23MAR90 (082)

LAUNCH # 0518

ITEM DESCRIPTION: SHOAL REP

SOURCE: CL638/82(6/82)--USCG AUX
LNM28/82(7/81)

****

GEODETIC POSITION	LATITUDE N	LONGITUDE W	POSITION #
CHARTED:	27-54-01.0	097-07-53.9	AWOIS LISTING
OBSERVATIONS:	27-54-06.3	097-07-56.8	1485+3
	27-54-00.6	097-08-00.8	1490+4

POSITION DETERMINED BY: THREE LOPS (R/R STA 007,014,051)

METHOD OF INVESTIGATION: SOUNDING LINES.

FINDINGS: NO SHOALING WAS FOUND IN REPORTED POSITION, HOWEVER THERE WAS A SHOAL NOTED ON THE OPPISITE SIDE OF THE CHANNEL. THE ABOVE POSITIONS MARK THE AXIS LIMITS . 1485+3 IS NNE LIMIT AND 1490+4 IS THE SSW LIMIT.

****

DIVE INVESTIGATION : ~~XXES~~ NO

DIVERS:

SEARCH RADIUS:

WATER VISIBILITY:

MAX DEPTH: BOTTOM TIME: LEAST DEPTH: ~~2.0~~ 3.0 * FT

FINDINGS:

* channeledge.
Main channel clear to 15 feet

CHARTING RECOMMENDATIONS: HYDROGRAPHER RECOMMENDS "SHOAL" BE CHARTED WITH ABOVE SURVEYED POSITION LIMITS. Do not concur chart according to the smooth sheet, dated "shl rep 1982".

AWOIS # 5033 DATE: 27MAR90 (086)

CHART #11314 LAUNCH # 0518

ITEM DESCRIPTION: PLATFORM PA

SOURCE: CL445/80--USPS
CL532/84--USPS

****

GEODETIC POSITION	LATITUDE N	LONGITUDE W	POSITION #
CHARTED:	27-53-56.0	097-05-30.9	AWOIS LISTING
OBSERVATIONS:	27-53-56.1	097-05-31.5	1642

POSITION DETERMINED BY: FOUR LOPS (R/R STA 018,014,051,063)

METHOD OF INVESTIGATION: VISUAL SEARCH OF REPORTED GP TO 100m

FINDINGS: VISUAL SEARCH IN 3-4 FT OF WATER WITH 5 FT VISABILITY AND CLEAR VIEW OF THE BOTTOM , REVEALED NOTHING.

****

DIVE INVESTIGATION : XXXX NO
DIVERS:
SEARCH RADIUS:
WATER VISIBILITY:
MAX DEPTH: BOTTOM TIME: LEAST DEPTH:

FINDINGS:

CHARTING RECOMMENDATIONS: HYDROGRAPHER RECOMMENDS REMOVAL FROM THE CHARTS.

concur

AWOIS # 5036

DATE: 23MAR90 (099)

CHART # 11314

LAUNCH # 0518

ITEM DESCRIPTION: PILE VISABLE.

SOURCE: BP-57662(9/58)--COE
CL1695/73--USPS

****

GEODETIC POSITION	LATITUDE N	LONGITUDE W	POSITION #
CHARTED:	27-54-15.0	097-07-51.9	AWOIS LISTING
OBSERVATIONS:	27-54-15.0	097-07-51.9	1999

POSITION DETERMINED BY: TWO LOPS (R/R STA 007,014)

METHOD OF INVESTIGATION: DIVE INVESTIGATION.

FINDINGS: NOTHING FOUND

****

DIVE INVESTIGATION : YES XXNOXX
DIVERS: D. ELLIOTT, B. RAMSEY
SEARCH RADIUS: 50m
WATER VISIBILITY: 3-4FT
MAX DEPTH: 11FT BOTTOM TIME: 15min LEAST DEPTH: 4FT

FINDINGS:

CHARTING RECOMMENDATIONS: HYDROGRAPHER RECOMMENDS REMOVAL FROM THE CHARTS.

Concur

AWOIS # 5038 DATE: 27MAR90 (086)

CHART # 11314 LAUNCH # 0518

ITEM DESCRIPTION: STAKES REPORTED

SOURCE: CL1826/72--USPS

****

GEODETIC POSITION	LATITUDE N	LONGITUDE W	POSITION #
CHARTED:	27-54-24.0	097-04-30.9	AWOIS LISTING

OBSERVATIONS:

POSITION DETERMINED BY:

METHOD OF INVESTIGATION: ITEMS VISUALY IDENTIFIED BY BINOCULARS AS THEY WERE NOT ACCESSABLE FOR POSITIONING.

FINDINGS: AS PER ABOVE

****

DIVE INVESTIGATION : ~~XXX~~ NO

DIVERS:

SEARCH RADIUS:

WATER VISIBILITY:

MAX DEPTH: BOTTOM TIME: LEAST DEPTH:

FINDINGS:

CHARTING RECOMMENDATIONS: HYDROGRAPHER RECOMMENDS REMOVAL FROM CHART AS THEY ARE NOT IN NAVIGABLE WATERS. Do not Concur, retain as charted.

AWOIS # 5039

DATE: 09APR90 (099)

CHART # 11314

LAUNCH # 0518

ITEM DESCRIPTION: PILE VISABLE

SOURCE: BP57662--9/58, COE
CL1695/73--USPS

****

GEODETIC POSITION	LATITUDE N	LONGITUDE W	POSITION #
CHARTED:	27-54-24.0	097-07-46.9	AWOIS LISTING
OBSERVATIONS:	27-54-23.9	097-07-47.1	1998

POSITION DETERMINED BY: THREE LOPS (R/R STA007,014,051)

METHOD OF INVESTIGATION: DIVE INVESTIGATION.

FINDINGS: NOTHING FOUND.

****

DIVE INVESTIGATION : YES XXX
DIVERS: D. ELLIOTT, B. RAMSEY
SEARCH RADIUS: 50m
WATER VISIBILITY: 3-4FT
MAX DEPTH: 9FT BOTTOM TIME: 15min LEAST DEPTH: 3FT

FINDINGS: NOTHING FOUND

CHARTING RECOMMENDATIONS: HYDROGRAPHER RECOMMENDS REMOVAL FROM CHARTS.

AWOIS # 5040 DATE: 23MAR90 (082)

CHART # 11314 LAUNCH # 0518

ITEM DESCRIPTION: COAST PILOT REPORT, QUESTIONABLE SOUNDINGS.

SOURCE: CL1250/82--NOS; COAST PILOT REPORT

****

GEODETIC POSITION	LATITUDE N	LONGITUDE W	POSITION #
CHARTED:	27-54-24.0	097-07-52.9	AWOIS LISTING
OBSERVATIONS:	27-54-22.2	097-07-52.7	1506

POSITION DETERMINED BY: TWO LOPS (R/R STA 007,014)

METHOD OF INVESTIGATION: SOUNDING LINES RUN OUT OF AREA DEPICTED A DEPTH AT SURVEYED LOCATION OF ~~11FT~~ between 9 to 11 ft at mllw

FINDINGS: DEPTH AT SURVEYED POSITION OF ~~11FT~~ 9 to 11 ft at mllw

****

DIVE INVESTIGATION : XXXX NO
DIVERS:
SEARCH RADIUS:
WATER VISIBILITY:
MAX DEPTH: BOTTOM TIME: LEAST DEPTH:

FINDINGS:

CHARTING RECOMMENDATIONS: RECOMMEND CHARTING OF ~~11FT~~ 9 to 11ft SOUNDING AT SURVEYED POSITION . Concur, delete 2ft rep 1982.

AWOIS # 5041 DATE: 27MAR90 (086)

CHART # 11314 LAUNCH # 0518

ITEM DESCRIPTION: CHARTED RUINS

SOURCE: CL445/80--USPS

****

GEODETIC POSITION	LATITUDE N	LONGITUDE W	POSITION #
CHARTED:	27-54-27.0	097-04-58.9	AWOIS LISTING
OBSERVATIONS:	27-54-37.1	097-04-54.9	1643

POSITION DETERMINED BY: FOUR LOPS (R/R STA 018,014,051,063)

METHOD OF INVESTIGATION: VISUAL.

FINDINGS: "U" SHAPED WOODEN BLKHD WITH A 25FT SQUARE WOODEN PLATFORM ATTACHED TO EAST SIDE. A CATWALK BOARDERS THE STRUCTURES PERIMETER. FEATURE IS 40FT x 60FT , AND BARES 6FT. THIS STRUCHER APPEARS TO BE AN ACTIVE FISHING PLATFORM. NOT IN RUINS.

****

DIVE INVESTIGATION : ~~YES~~ XXXX NO

DIVERS:

SEARCH RADIUS:

WATER VISIBILITY:

MAX DEPTH: BOTTOM TIME: LEAST DEPTH:

FINDINGS:

CHARTING RECOMMENDATIONS: HYDROGRAPHER RECOMMENDS CHARTING DESCRIBED FEATURE AT SURVEYED POSITION AS "PLATFORM" BARING 6FT. Do not concur. Feature found is not Awois item 5041. Retain platform (ruins) PA as submerged Platform (ruins) PA.

AWOIS #5093 DATE: 16MAR90 (075)

CHART # 11308 LAUNCH # 0518

ITEM DESCRIPTION: DETERMINE CONTROLLING DEPTH.

SOURCE: CL877/85--COE

****

GEODETIC POSITION	LATITUDE N	LONGITUDE W	POSITION #
CHARTED:	27-50-35.0	097-04-55.9	AWOIS LISTING
OBSERVATIONS:	27-50-34.1	097-04-57.3	736

POSITION DETERMINED BY: THREE LOPS (R/R STA 018,051,063)

METHOD OF INVESTIGATION: M/S SOUNDING LINE TERMINUS.

FINDINGS: CONTROLLING DEPTH AT 13FT.

****

DIVE INVESTIGATION : ~~YES~~ XXXX NO

DIVERS:

SEARCH RADIUS:

WATER VISIBILITY:

MAX DEPTH: BOTTOM TIME: LEAST DEPTH:

FINDINGS:

CHARTING RECOMMENDATIONS: HYDROGRAPHER RECOMMENDS CHARTING OF CONTROLLING DEPTH OF 13 FEET AT THE SURVEYED POSITION. Do not concur, This area was not investigated, see Evac Report, section 7.C.

AWOIS # 5966 DATE: 30MAR90 (089)

CHART # 11314 LAUNCH # 0519

ITEM DESCRIPTION: OBSTR PA

SOURCE: LNM34/77(7/10/77)--8TH CGD

****

GEODETIC POSITION	LATITUDE N	LONGITUDE W	POSITION #
CHARTED:	27-52-31.0	097-07-00.9	AWOIS LISTING
OBSERVATIONS:	27-52-31.9	097-06-59.9	1937

POSITION DETERMINED BY: FOUR LOPS (R/R STA 014,018,051,063)

METHOD OF INVESTIGATION: SOUNDING AND VISUAL

FINDINGS: HARD OBJECT WITH DEMINSIONS OF APPROX 3 x 4 FT.
WITH LEAST DEPTH BY POLE OF ~~5.5~~ 4.0 FT.

****

DIVE INVESTIGATION : ~~XXXX~~ NO
DIVERS:
SEARCH RADIUS: 100 m
WATER VISIBILITY:
MAX DEPTH: BOTTOM TIME: LEAST DEPTH:

FINDINGS: SEE ABOVE FINDINGS

CHARTING RECOMMENDATIONS: HYDROGRAPHER RECOMMENDS CHARTING SUBM OBSTR (~~5FT~~) with a least depth of 4ft at mllw. Delete PA.

AWOIS #5967 DATE: 30MAR90 (089)

CHART # 11314 LAUNCH # 0518

ITEM DESCRIPTION: SUBM WRECK PA

SOURCE: CL1569/76--USPS

****

GEODETIC POSITION	LATITUDE N	LONGITUDE W	POSITION #
CHARTED:	27-52-09.0	097-08-00.9	AWOIS LISTING
OBSERVATIONS:	27-52-08.0	097-07-59.8	1938

POSITION DETERMINED BY: FOUR LOPS (R/R STA 014,018,051,063)

METHOD OF INVESTIGATION: VISUAL, AND SOUNDING LINES

FINDINGS: STEEL PIPE 16inch DIAMETER ~~BARING~~ uncovers 2 FT. SOUNDING PASSES BY LAUNCH ON ALL SIDES SHOWED NO DANGER TO NAVIGATION EXIST.

****

DIVE INVESTIGATION : ~~XXX~~ NO
DIVERS:
SEARCH RADIUS: 100m
WATER VISIBILITY:
MAX DEPTH: BOTTOM TIME: LEAST DEPTH:

FINDINGS: SEE ABOVE FINDINGS.

CHARTING RECOMMENDATIONS: HYDROGRAPHER RECOMMENDS REVISING CHARTS TO SHOW ~~OBSTR~~ PIPE 2 FT AT SURVEYED POSITION, WITH NO DANGER TO NAVIGATION. ~~BARING~~ uncovers concur, delete subm wreck PA.

AWOIS # 5968 DATE: 09APR90 (099)

CHART # 11314 LAUNCH # 0518

ITEM DESCRIPTION: MARKER

SOURCE: CL1667/84--USPS

****

GEODETIC POSITION	LATITUDE N	LONGITUDE W	POSITION #
CHARTED:	27-53-06.0	097-08-36.9	AWOIS LISTING
OBSERVATIONS:	27-53-04.8	097-08-35.0	2018

POSITION DETERMINED BY: THREE LOPS (R/R STA 007,014,051)

METHOD OF INVESTIGATION: VISUAL

FINDINGS: SHOAL WITH BROKEN PILE, MARKING WEST SIDE OF CHANNEL.
SHOAL DEMINSIONS 10m x 2m.

****

DIVE INVESTIGATION : ~~XXXX~~ NO
DIVERS:
SEARCH RADIUS:
WATER VISIBILITY:
MAX DEPTH: BOTTOM TIME: LEAST DEPTH:

FINDINGS: SEE ABOVE FINDINGS

CHARTING RECOMMENDATIONS: HYDROGRAPHER RECOMMENDS CHARTING OF a pile ~~BARING SHOAL~~ AT SURVEYED POSITION, MARKING WESTERN LIMITS OF CHANNEL ENTRANCE. concur, delete charted marker.

AWOIS # 5969 DATE: 09APR90 (099)

CHART # 11314 LAUNCH # 0518

ITEM DESCRIPTION: MARKER

SOURCE: CL1667/84--USPS

****

GEODETIC POSITION	LATITUDE N	LONGITUDE W	POSITION #
CHARTED:	27-53-08.0	097-08-34.9	AWOIS LISTING
OBSERVATIONS:	27-53-07.8	097-08-32.7	2017

POSITION DETERMINED BY: THREE LOPS (R/R STA 007,014,051)

METHOD OF INVESTIGATION: VISUAL

FINDINGS: WOODEN PILE 10inch DIAMETER BARING 1~~0~~ FT.

****

DIVE INVESTIGATION : ~~YES~~ XXX NO
DIVERS:
SEARCH RADIUS:
WATER VISIBILITY:
MAX DEPTH: BOTTOM TIME: LEAST DEPTH:

FINDINGS: SEE ABOVE FINDINGS.

CHARTING RECOMMENDATIONS: HYDROGRAPHER RECOMMENDS CHARTING PILE (1~~0~~) FT. AT SURVEYED POSITION. Concur, delete charted marker.

RECRD 5970 VESSLTERMS SOUNDING CHART 11309 AREA K

CARTOCODE 0127 SNDINGCODE DEPTH 0

NATIVLAT 27/53/00.00 NATIVLON 097/08/45.00 [redacted] NATIVDATUM 31

LAT83 27/53/00.00 LONG83 097/08/45.00 [redacted] GPQUALITY Low

27 53 0 97 8 45 GPSOURCE Scaled

LATDEC 27.883333333333 LONDEC 97.145833333333 convert Update GP

PROJECT OPR-K229 ITEMSTATUS Unassigned SEARCHTYPE Full

RADIUS INIT ASSIGNED

TECNIQ ES

ON ORIGINAL DOCUMENT

Techniqnote

History

HISTORY
CL115/80--COE (C); PROPOSED MAINTENANCE DREDGING OF CHANNEL AND BASIN TO 12FT. (UP 5/01 RWD)
CL1250/82--CPR5; 5FT REPORTED 1982 IN LAT 27-53-00N, LONG 97-08-50W. (ENT SRB 1/88)
H10328/90--OPR-K229-AHP-89; INADEQUATE INVESTIGATION. EVALUATOR RECOMMENDS RETAINING "5 FEET REP 1982". (UP 9/9/91, SJV)
H10328/90-- THE CHARTED CHANNEL IN QUESTION IS AT LAT 27/53/00N, LONG 97/08/45W(NAD83), NOT AT LONG 97/08/50W. ALTHOUGH NOT ADEQUATE TO BE CHARTED AT 12 FT, SURVEY DATA IS ADEQUATE TO BE CHARTED AS 9 FEET REP 1990. THE CHANNEL FROM THE CENTERLINE OF THE IWW TO ALONGSIDE OF THE BULKHEADED SHORELINE IS SHOWN ON THE PRESENT SURVEY TO BE A MINIMUM OF 12FT. THE PRESENT SURVEY DATA IS ADEQUATE TO DETERMINE THAT THE CHANNEL AS SURVEYED INTERSECTS THE IWW. REVISE THE NOTES ON CHARTS 11309, 11312, AND 11314, AND REVISE, RESTORE, OR ADD THE CHANNEL TO REFLECT THE PRESENT SURVEY DATA. AWOIS ITEM 5971 HAS BEEN MERGED INTO THIS ITEM. (UP 5/01 RWD)

Fieldnote

Proprietary

YEARSUNK NIMANUM SYSTEMNUM 5230 [redacted]

Print Record

ON ORIGINAL DOCUMENT

This page added May 2001.

AWOIS # 5970 DATE: 23MAR90 (082)

CHART # 11314 LAUNCH # 0518

ITEM DESCRIPTION: 5FT REPORTED 1982

SOURCE: CL1250/82--CPR5

****

GEODETIC POSITION	LATITUDE N	LONGITUDE W	POSITION #
CHARTED:	27-53-01.0	097-08-43.9	AWOIS LISTING
OBSERVATIONS:	27-53-02.9	097-08-48.0	1573+~~2~~ 3 RWL

POSITION DETERMINED BY: THREE LOPS (R/R STA 014,051,063)

METHOD OF INVESTIGATION: SOUNDING LINE DATA

FINDINGS: 10 FT SOUNDING AT SURVEYED POSITION

****

DIVE INVESTIGATION : ~~XXXX~~ NO
DIVERS:
SEARCH RADIUS:
WATER VISIBILITY:
MAX DEPTH: BOTTOM TIME: LEAST DEPTH:

FINDINGS: SEE ABOVE FINDINGS

CHARTING RECOMMENDATIONS: HYDROGRAPHER RECOMMENDS CHARTING A 10 FT SOUNDING AT SURVEYED POSITION. ~~Do not concur, Inadequate investigation, retain 5 ft reported 1982.~~

Recommend that 9ft rep 1990 be charted at Lat 27/52/59.7, Long 97/08/44.7. AWOIS item 5971 has been merged into this item. See attached AWOIS Form 5970.

GKM 5/01

AWOIS # ~~5971~~ DATE: 23MAR90 (082)

CHART # 11314 LAUNCH # 0518

ITEM DESCRIPTION: 12 FT REPORTED 1983

SOURCE: CL1250/82--CPR5

****

GEODETIC POSITION	LATITUDE N	LONGITUDE W	POSITION #
CHARTED:	27-53-01.0	097-08-43.9	AWOIS LISTING
OBSERVATIONS:	27-52-59.7	097-08-44.7	1574 + 2

POSITION DETERMINED BY: THREE LOPS (R/R STA 014,051,063)

METHOD OF INVESTIGATION: SOUNDING LINE DATA.

FINDINGS: 9 FT SOUNDING AT SURVEYED POSITION.

****

DIVE INVESTIGATION : ~~XXXX~~ NO
DIVERS:
SEARCH RADIUS:
WATER VISIBILITY:
MAX DEPTH: BOTTOM TIME: LEAST DEPTH:

FINDINGS: SEE ABOVE FINDINGS.

CHARTING RECOMMENDATIONS: HYDROGRAPHER RECOMMENDS CHARTING 9 FT SOUNDING AT SURVEYED POSITION. ~~Partial investigation, Revise note to "Surv 1990".~~ This item merged into AWOIS # 5970

GKM 5/01

AWOIS # 5972 DATE: 20MAR90 (079)

CHART # 11314 LAUNCH # 0518

ITEM DESCRIPTION: DETERMINE CONTROLLING DEPTH.

SOURCE: CL846/56---COE
~~THREE LOPS (R/R STA 014 051 063)~~

****

GEODETIC POSITION	LATITUDE N	LONGITUDE W	POSITION #
CHARTED:	27-52-01.0	097-07-50.9	AWOIS LISTING
OBSERVATIONS:	27-52-03.8	097-07-46.4	963 ~~926~~+4

POSITION DETERMINED BY: THREE LOPS (R/R STA 014,051,063)

METHOD OF INVESTIGATION: SOUNDING LINE DATA.

FINDINGS: CONTROLLING DEPTH OF 5 FT AT SURVEYED POSITION.

****

DIVE INVESTIGATION : ~~XXXX~~ ~~YES~~ NO
DIVERS:
SEARCH RADIUS:
WATER VISIBILITY:
MAX DEPTH: BOTTOM TIME: LEAST DEPTH:

FINDINGS: SEE ABOVE FINDINGS

CHARTING RECOMMENDATIONS: HYDROGRAPHER RECOMMENDS A CONTROLLING DEPTH OF 5 FT BE CHARTED AT SURVEYED POSITION.
See Evac Report, section 7.C.

5-ft rep 1990

AWOIS # 5978 DATE: 27 mar90 (086)

CHART # 11314 LAUNCH # 0518

ITEM DESCRIPTION: VISABLE PILE.

SOURCE: UNKNOWN

****

GEODETIC POSITION	LATITUDE N	LONGITUDE W	POSITION #
CHARTED:	27-53-23.0	097-06-30.9	AWOIS LISTING
OBSERVATIONS:	27-53-24.9	097-06-35.5	1634

POSITION DETERMINED BY: FOUR LOPS (R/R STA 018,014,051,063)

METHOD OF INVESTIGATION: VISUAL.

FINDINGS: 12inch DIAMETER WOOD PILE BARES ~~2~~ 3 FT.

****

DIVE INVESTIGATION : ~~YES~~XX NO
DIVERS:
SEARCH RADIUS:
WATER VISIBILITY:
MAX DEPTH: BOTTOM TIME: LEAST DEPTH:

FINDINGS:

CHARTING RECOMMENDATIONS: HYDROGRAPHER RECOMMENDS CHARTING OF PILE AT SURVEYED POSITION, BARING 23 FT . Concur
Revise charted pile to submerged.

AWOIS #5979 DATE: 30MAR90 (089)

CHART # 11314 LAUNCH # 0518

ITEM DESCRIPTION: 2 PIER RUINS

SOURCE: UNKNOWN

****

GEODETIC POSITION	LATITUDE N	LONGITUDE W	POSITION #
CHARTED:	27-53-16.0	097-06-44.9	AWOIS LISTING
OBSERVATIONS:	27-53-15.0	097-06-43.9	1940

POSITION DETERMINED BY: FOUR LOPS (R/R STA 014,018,051,063)

METHOD OF INVESTIGATION: VISUAL

FINDINGS: VISUAL SEARCH REVEALED NOTHING. VISABLIITY CLEAR TO BOTTOM. LOCAL CONTACT AT "FINN AND FEATHER" MARINA, WITH OWNERS REVEALED THAT THIS AREA BARES OFTEN WITH LOW TIDES, AND THERE ARE NO PIER RUINS IN THE AREA.CONTACT: 512-758-5521 , BOX 458, ARANSAS PASS, TX(78336)

****

DIVE INVESTIGATION : XXXX NO
DIVERS:
SEARCH RADIUS: 100m
WATER VISIBILITY:
MAX DEPTH: BOTTOM TIME: LEAST DEPTH:

FINDINGS: SEE ABOVE FINDINGS.

CHARTING RECOMMENDATIONS: HYDROGRAPHER RECOMMENDS REMOVAL of pier ruins FROM CHARTS.
Concur. Remove pier ruins, retain two charted piers as shown on the smooth sheet.

AWOIS # 5984 DATE: 26FEB90 (057)

CHART # 11308 Llaunch # 0518

ITEM DESCRIPTION: COAST PILOT REPORT OF 45 FT

SOURCE: CL1250/82--COAST PIOLT REPORT

****

GEODETIC POSITION	LATITUDE N	LONGITUDE W	POSITION #
CHARTED:	27-50-26.0	097-05-00.9	AWOIS LISTING
OBSERVATIONS:	27-50-~~24.5~~ 22.08	097-05-~~02.4~~ 24.10	~~510 + 5~~ ~~491+4~~

POSITION DETERMINED BY: FOUR LOPS (R/R STA 051,018,007,063)

METHOD OF INVESTIGATION: SOUNDING LINES RUN DURING M/S HYDROGRAPHY.

FINDINGS: CONTROLLING DEPTH AT 44FT.

****

DIVE INVESTIGATION : ~~XXX~~ NO
DIVERS:
SEARCH RADIUS:
WATER VISIBILITY:
MAX DEPTH: BOTTOM TIME: LEAST DEPTH:

FINDINGS:

CHARTING RECOMMENDATIONS: HYDROGRAPHER RECOMMENDS CHARTING OF CONTROLLING DEPTH OF 44 FEET AT SURVEYED POSITION. Do not concur, Revise charted note to: "14 ft 1990".

Station #	Station Name
1	ALLYN
2	TALLEY
3	LIGHT 13
4	TRACK 1934
5	TRAYLOR
6	SKIFF 2
7	SAM, 1949
8	CONN
9	ARANSAS PASS WATER TANK
10	DRAW
11	LIGHT 83
12	LYDIA
13	BULB
14	ARANSAS PASS LIGHTHOUSE, 1905
15	BASE
16	SALT 1934
17	NEED
18	TANG, 1987
19	HARBOR ID R RNG LT
20	HARBOR ID F RNG LT
21	JUNCTION
22	CORPUS CHR CHAN AE RNG FT LT
23	CORPUS CHR CHAN AE RNG R LT
24	TIDAL 7
25	25 USE
26	GUN USE 1948
27	GUN ECC (DO NOT USE!!!)
28	PORT ARANSAS CG LT TOWER
29	PORT ARANSAS TANK
30	KNOLL 1934
31	PORT ARANSAS MUSTANG TANK
32	PIPER 1933
33	WALBOLT 1968
34	FLAT 2
35	CRANE 1933
36	DEMIT 1912
37	CORPUS CHRISTI NAS WATER TANK
38	CALLO 2 1963
39	SWATNER
40	DODDRIDGE
41	SPOIL LIMIT 1 USE AZ MK
42	SPOIL LIMIT 1 USE
43	CORPUS CHR CHAN CUT BW RNG F
44	CORPUS CHR HARBOR CUT F RNG LT
45	CORPUS CHR HARBOR CUT R RNG LT
46	CORPUS CHR CHAN CUT AW RNG R
47	CORPUS CHR CHAN CUT AW RNG F
48	CORPUS CHR CHAN BE RNG F LT
49	LA QUINTA CHAN OUTER RNG R LT
50	LA QUINTA CHAN OUTER RNG F LT
51	CORPUS CHR CHAN BE RNG R LT, 1986
52	PORT SAT

Station #	Station Name
53	DONNEL 1933
54	LA QUINTA CHAN INNER RNG F LT
55	LA QUINTA CHAN INNER RNG R LT
56	QUINTANA
57	WILCUT
58	SHAM
59	INDIAN
60	PORTLAND 2 1973
61	TURTLE
62	COVE
63	WAREHOUSE 1990

063 — WAREHOUSE

CONTROL STATIONS

No	Type	Latitude	Longitude	H	Cart	Freq	Vel	Code	MM/DD/YY
001	F	027:59:23.706	096:58:52.815	0	250	0.0	0.0		11/09/89
002	F	027:58:29.535	097:04:10.149	0	250	0.0	0.0		11/09/89
003	F	027:58:04.172	097:05:17.395	0	250	0.0	0.0		11/09/89
004	F	027:57:04.646	097:06:32.476	0	250	0.0	0.0		11/09/89
005	F	027:57:07.493	097:04:21.062	0	250	0.0	0.0		11/09/89
006	F	027:55:59.444	097:02:35.781	0	250	0.0	0.0		11/09/89
007	F	027:55:28.634	097:07:27.771	0	250	0.0	0.0		11/09/89
008	F	027:54:28.873	097:07:57.049	0	250	0.0	0.0		11/09/89
009	F	027:54:07.962	097:08:37.958	0	250	0.0	0.0		11/09/89
010	F	027:53:27.057	097:06:40.209	0	250	0.0	0.0		11/09/89
011	F	027:54:00.350	097:02:58.382	0	250	0.0	0.0		11/09/89
012	F	027:53:35.460	097:02:36.464	0	250	0.0	0.0		11/09/89
013	F	027:52:53.534	097:02:59.352	0	250	0.0	0.0		11/09/89
014	F	027:51:50.992	097:03:22.978	0	250	0.0	0.0		11/09/89
015	F	027:51:57.536	097:08:03.817	0	250	0.0	0.0		11/09/89
016	F	027:52:13.989	097:09:38.108	0	250	0.0	0.0		11/09/89
017	F	027:50:14.295	097:07:24.517	0	250	0.0	0.0		11/09/89
018	F	027:49:51.528	097:06:18.582	0	250	0.0	0.0		11/09/89
019	F	027:50:53.636	097:03:56.573	0	250	0.0	0.0		11/09/89
020	F	027:50:45.343	097:03:41.174	0	250	0.0	0.0		11/09/89
021	F	027:50:46.290	097:03:17.424	0	250	0.0	0.0		11/09/89
022	F	027:50:41.222	097:03:16.971	0	250	0.0	0.0		11/09/89
023	F	027:50:46.351	097:02:49.217	0	250	0.0	0.0		11/09/89
024	F	027:50:18.364	097:03:05.660	0	250	0.0	0.0		11/09/89
025	F	027:50:05.552	097:02:42.749	0	250	0.0	0.0		11/09/89
026	F	027:50:05.288	097:03:12.941	0	250	0.0	0.0		11/09/89
028	F	027:50:18.234	097:03:32.884	0	250	0.0	0.0		11/09/89
029	F	027:49:47.749	097:03:49.421	0	250	0.0	0.0		11/09/89
030	F	027:47:33.070	097:05:14.862	0	250	0.0	0.0		11/09/89
031	F	027:45:06.747	097:07:29.192	0	250	0.0	0.0		11/09/89
032	F	027:43:11.688	097:08:24.994	0	250	0.0	0.0		11/09/89
033	F	027:41:34.291	097:09:46.274	0	250	0.0	0.0		11/09/89
034	F	027:41:41.796	097:11:01.545	0	250	0.0	0.0		11/09/89
035	F	027:39:15.663	097:10:57.432	0	250	0.0	0.0		11/09/89
036	F	027:41:37.285	097:15:02.810	0	250	0.0	0.0		11/09/89
037	F	027:41:38.941	097:16:06.724	0	250	0.0	0.0		11/09/89
038	F	027:42:40.782	097:18:48.182	0	250	0.0	0.0		11/09/89
039	F	027:43:43.325	097:21:08.634	0	250	0.0	0.0		11/09/89
040	F	027:44:42.927	097:22:21.160	0	250	0.0	0.0		11/09/89
041	F	027:48:00.368	097:23:27.629	0	250	0.0	0.0		11/09/89
042	F	027:48:18.952	097:23:31.350	0	250	0.0	0.0		11/09/89
043	F	027:48:37.012	097:23:33.859	0	250	0.0	0.0		11/09/89
044	F	027:48:28.020	097:22:03.321	0	250	0.0	0.0		11/09/89
045	F	027:48:26.106	097:21:52.434	0	250	0.0	0.0		11/09/89
046	F	027:48:18.064	097:16:05.640	0	250	0.0	0.0		11/09/89
047	F	027:48:30.168	097:15:00.922	0	250	0.0	0.0		11/09/89
048	F	027:48:38.784	097:13:40.998	0	250	0.0	0.0		11/09/89
049	F	027:48:20.498	097:13:00.008	0	250	0.0	0.0		11/09/89
050	F	027:48:44.552	097:13:11.552	0	250	0.0	0.0		11/09/89
051	F	027:48:39.235	097:11:41.427	0	250	0.0	0.0		11/09/89
052	F	027:49:19.865	097:12:56.768	0	250	0.0	0.0		11/09/89
053	F	027:51:33.800	097:14:28.383	0	250	0.0	0.0		11/09/89
054	F	027:52:31.870	097:15:00.964	0	250	0.0	0.0		11/09/89
055	F	027:53:30.187	097:15:29.076	0	250	0.0	0.0		11/09/89
056	F	027:52:55.315	097:16:57.522	0	250	0.0	0.0		11/09/89
057	F	027:44:18.951	097:08:19.954	0	250	0.0	0.0		11/13/89
058	F	027:45:14.605	097:10:27.938	0	250	0.0	0.0		11/13/89
059	F	027:51:02.658	097:21:17.960	0	250	0.0	0.0		11/13/89
060	F	027:53:23.367	097:20:09.429	0	250	0.0	0.0		11/13/89
061	F	027:59:24.830	097:04:00.780	0	250	0.0	0.0		11/14/89
062	F	027:59:13.578	097:04:23.910	0	250	0.0	0.0		11/14/89
063	F	027:52:23.387	097:09:34.837	0	250	0.0	0.0		02/12/90

APPROVAL SHEET

BASIC HYDROGRAPHIC SURVEY
OPR-K229-AHP2
AHP2-10-3-90
H-10328
1990

This basic hydrographic survey was conducted in accordance with the project instructions for OPR-K229-AHP2, the hydrographic manual, the hydrographic survey guidelines, and the field procedures manual. The survey data and reports were completed under frequent supervision. All boat sheets and final field sheets were reviewed in their entirety, and all supporting records were also checked.

This survey is a complete basic hydrographic survey for the area described in section M of this report.

V. Dale Ross
Lieutenant Commander, NOAA
Chief, Atlantic Hydrographic Party Two

ORIGINAL

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

REVISED TIDE NOTE FOR HYDROGRAPHIC SURVEY

DATE: December 13, 1990

MARINE CENTER: Pacific

OPR: K229

HYDROGRAPHIC SHEET: H-10328

LOCALITY: Corpus Christi, Texas

TIME PERIOD: February 22 - April 9, 1990

TIDE STATIONS USED:

877-5083	Aransas Pass, Tx.
877-5283	Port Ingleside, Tx.
877-5238	Port Aransas, Tx.

PLANE OF REFERENCE (MEAN LOWER LOW WATER):

877-5083	2.55 feet
877-5283	2.43 feet
877-5238	4.56 feet

HEIGHT OF HIGH WATER ABOVE PLANE OF REFERENCE:

877-5083	0.6 feet
877-5283	0.6 feet
877-5238	1.3 feet

REMARKS: RECOMMENDED ZONING

1. In the vicinity of Port Aransas, south of 27 51.6'N and east of 97 04.4'W, zone direct on 877-5238.

2. In Corpus Christi Channel, west of 97 04.4'W and east of 97 6.0'W, apply a x0.71 range ratio to all heights and a +0 hr. 30 min. time correction to 877-5238.

3. In Corpus Christi Channel, west of 97 06.0'W and east of 97 07.4'W, apply a x0.54 range ratio to all heights and a +1 hr. 0 min. time correction to 877-5238.

4. In Aransas Channel, west of 97 04.4'W and east of 97 05.4'W, apply a x0.71 range ratio to all heights and a +0 hr. 30 min. time correction to 877-5238.

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5. In Aransas Channel, west of 97 05.4'W and east of 97 06.1'W, apply a x0.54 range ratio to all heights and a +1 hr. 0 min. time correction to 877-5238.

6. In Aransas Channel, west of 97 06.1'W and east of 97 07.1'W, heights are direct and apply a -0hr. 30 min. time correction to 877-5083.

7. In Aransas Channel, west of 97 07.1'W and in the Intracoastal Waterway, west of 97 07.1'W, south of 27 54.6'N , north of 27 53.0'N and in Conn Brown Harbor, zone direct on 877-5083.

8. In Redfish Bay, north of Corpus Christi Channel, south of 27 51.6'N and east of 97 08.3'W, apply a x0.71 range ratio to all heights and a -2 hr. 0 min. time correction to 877-5283.

9. In Redfish Bay, north of Corpus Christi Channel, south of 27 51.6'N and west of 97 08.3'W, apply a x0.71 range ratio to all heights and a -1 hr. 30 min. time correction to 877-5283.

10. In Corpus Christi Channel, west of 97 07.4'W and east of 97 8.3'W, heights are direct and apply a -2 hr. 0 min. time correction to 877-5283.

11. In Corpus Christi Channel, west of 97 08.3'W and east of 97 9.2'W, heights are direct and apply a -1 hr. 30 min. time correction to 877-5283.

12. In Redfish Bay, north of 27 51.6'N, south of Aransas Channel and west of 97 6.1'W,and east of 97 7.1'N apply a x0.67 range ratio to all heights and a -0 hr. 30 min. time correction to 877-5083.

13. In Redfish Bay, north of 27 51.6'N, south of Aransas Channel and west of 97 7.1'W, apply a x0.67 range ratio to all heights and times are direct on 877-5083.

14. In South Bay, north of Aransas Channel, apply a x0.67 range ratio to all heights and a -0 hr. 45 min. time correction to 877-5083.

15. In Redfish Bay, north of Aransas Channel, and north and east of South Bay and east of 97 7.1'W, apply a x0.67 range ratio to all heights and a -0 hr. 30 min. time correction to 877-5083.

16. In Redfish Bay, north of Aransas Channel and west of 97 7.1'W, apply a x0.67 range ratio to all heights and times are direct on 877-5083.

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17. In Redfish Bay, south of Corpus Christi Channel, north of 27 48.5'N and east of 97 08.3'W, apply a x0.71 range ratio to all heights and a -2 hr. 0 min. time correction to 877-5283.

18. In Redfish Bay, south of Corpus Christi Channel, north of 27 48.5'N and west of 97 08.3'W, apply a x0.71 range ratio to all heights and a -1 hr. 30 min. time correction to 877-5283.

for

CHIEF, TIDAL DATUM QUALITY ASSURANCE SECTION

NOAA FORM 76-155
(11-72)

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

GEOGRAPHIC NAMES

SURVEY NUMBER

H-10328

Name on Survey	A ON CHART NO. 11309	B ON PREVIOUS SURVEY NO.	C ON U.S. QUADRANGLE MAPS	D FROM LOCAL INFORMATION	E ON LOCAL MAPS	F P.O. GUIDE OR MAP	G RAND MCNALLY ATLAS	H U.S. LIGHT LIST	K	
TEXAS, REDFISH BAY SOUTH BAY TO POINT OF ~~MUSTANG~~										
ARANSAS CHANNEL	X									1
ARANSAS PASS (locale)	X									2
CORPUS CHRISTI CHANNEL	X									3
HARBOR ISLAND	X									4
HOG ISLAND	X									5
MORRIS AND CUMMINGS CUT	X									6
MUSTANG, POINT OF	X									7
PORT ARANSAS	X									8
RANSOM ISLAND	X									9
RANSOM POINT	X									10
REDFISH BAY	X									11
SOUTH BAY	X									12
STEDMAN ISLAND	X									13
TEXAS (title)	X									14
										15
										16
										17
				Approved:						18
										19
				Charles E. Harrington						20
				Chief Geographer - N/C62x5						21
				JUL 19 1990						22
										23
										24
										25

NOAA FORM 76-155 SUPERSEDES C&GS 197

NOAA FORM 77-27(H)
(9-83)

U.S. DEPARTMENT OF COMMERCE

HYDROGRAPHIC SURVEY STATISTICS

REGISTRY NUMBER
H-10328

RECORDS ACCOMPANYING SURVEY: To be completed when survey is processed.

RECORD DESCRIPTION	AMOUNT	RECORD DESCRIPTION	AMOUNT
SMOOTH SHEET	1	SMOOTH OVERLAYS: POS., ARC, EXCESS	7
DESCRIPTIVE REPORT	1	FIELD SHEETS AND OTHER OVERLAYS	7

DESCRIPTION	DEPTH/POS RECORDS	HORIZ. CONT. RECORDS	SONAR-GRAMS	PRINTOUTS	ABSTRACTS/ SOURCE DOCUMENTS	
ACCORDION FILES	1					
ENVELOPES						
VOLUMES						
CAHIERS						
BOXES						

SHORELINE DATA

SHORELINE MAPS (List):

PHOTOBATHYMETRIC MAPS (List):

NOTES TO THE HYDROGRAPHER (List):

SPECIAL REPORTS (List):

NAUTICAL CHARTS (List):

OFFICE PROCESSING ACTIVITIES

The following statistics will be submitted with the cartographer's report on the survey

PROCESSING ACTIVITY	AMOUNTS		
	VERIFICATION	*EVALUATION*	*TOTALS*
POSITIONS ON SHEET			2018
POSITIONS REVISED			
SOUNDINGS REVISED			
CONTROL STATIONS REVISED			
	TIME-HOURS		
	VERIFICATION	*EVALUATION*	*TOTALS*
PRE-PROCESSING EXAMINATION			
VERIFICATION OF CONTROL			
VERIFICATION OF POSITIONS	16		16
VERIFICATION OF SOUNDINGS	66		66
VERIFICATION OF JUNCTIONS			
APPLICATION OF PHOTOBATHYMETRY			
SHORELINE APPLICATION/VERIFICATION			
COMPILATION OF SMOOTH SHEET	31		31
COMPARISON WITH PRIOR SURVEYS AND CHARTS		9	9
EVALUATION OF SIDE SCAN SONAR RECORDS			
EVALUATION OF WIRE DRAGS AND SWEEPS			
EVALUATION REPORT		51	51
GEOGRAPHIC NAMES			
OTHER*			
*USE OTHER SIDE OF FORM FOR REMARKS — TOTALS	113	60	175

Pre-processing Examination by M. Brown	*Beginning Date* 6/22/90	*Ending Date* 7/18/90
Verification of Field Data by R. Davies	*Time (Hours)* 60	*Ending Date* 6/3/91
Verification Check by B. Olmstead, J. Green	*Time (Hours)* 58	*Ending Date* 6/14/91
Evaluation and Analysis by R. Davies	*Time (Hours)* 60	*Ending Date* 6/14/91
Inspection by D. Hill	*Time (Hours)* 10	*Ending Date* 7-9-91

☆ U.S. GOVT. PRINTING OFFICE 1983: 764-006/8061

EVALUATION REPORT

H-10328

1. INTRODUCTION

Survey H-10328 is a basic hydrographic survey accomplished by the Atlantic Hydrographic Party 2 under the following Project Instructions.

OPR-K229-AHP2, dated September 14, 1989
CHANGE NO. 1, dated December 21, 1989
CHANGE NO. 2, dated January 10, 1990

This survey occurred in Texas and covers an area between Point of Mustang and South Bay. The surveyed area extends from latitude 27/54/30W to latitude 27/49/16N, and from longitude 97/08/58W to longitude 97/04/24W. The surveyed area includes portions of the Intracoastal Waterway and Corpus Christi and Aransas Channels. The area also includes several privately maintained channels. The shoreline consists of sand, low lying salt marshes, dredged spoil islands and small harbors. The bottom consists of mud, sand and shells. Depths range from 1 to 57 feet.

Predicted tides for Galveston Channel, Texas, were used for the reduction of soundings during field processing. Approved hourly heights zoned from Aransas Pass, Port Ingleside and Port Aransas, Texas, gages 877-5083, 877-5283 and 877-5238, were used during office processing.

The field sheet parameters have been revised to center the hydrography on the smooth sheet and to change the projection to polyconic. The TRA, sound velocity and electronic control correctors are adequate. An accompanying computer printout contains the parameters and the correctors.

A digital file has been generated for this survey that includes categories of information required to comply with Hydrographic Survey Guideline No. 53, Standard Digital Data Exchange Format, April 15, 1986. Certain descriptive information, however, may not be in the digital record due to the restrictions of the presently available cartographic codes. The user should refer to the smooth sheet for complete information.

2. CONTROL AND SHORELINE

Sections F and G of the hydrographer's report contain adequate discussions of horizontal control and hydrographic positioning. Additional detailed information on horizontal control is in the following.

Geodetic Control Report for CM-8716 and
Geodetic Control Survey Job-HC-9901

Positions of horizontal control stations used during hydrography are 1987, 1989 and 1990 field and published values based on NAD 83. These values were used during office processing for the computation of positions. The smooth sheet and accompanying overlays are annotated with NAD 27 adjustment ticks based on values determined by

N/CG121. Geographic positions based on NAD 27 may be plotted on the smooth sheet utilizing the NAD 83 projection by applying the following corrections.

Latitude: 1.094 seconds (33.7 meters)
Longitude: 0.962 seconds (26.3 meters)

The year of establishment of control stations shown on the smooth sheet originates with the NGS listing and the hydrographer's signal list.

The quality of several positions exceeds limits in terms of error circle radius and residual. A review of the data, however, indicates that none of these fixes are used to position dangers to navigation. The features or soundings located by these fixes are consistent with surroundings. These fixes are considered acceptable.

The following shoreline map applies to this survey.

	Photo Date	Class
TP-01198	Dec. 82, Nov. 83	III

A new pier was located hydrographically and is considered adequate to supersede the common photogrammetrically delineated shoreline. This pier is located at latitude 27/53/24N, longitude 97/06/36W.

The following shoreline changes were determined without supporting positional information. These revisions are considered adequate to supersede the common photogrammetrically delineated shoreline.

	Latitude(N)	Longitude(W)
HWL from	27/50/27	97/05/30
to	27/50/29	97/05/18
HWL from	27/50/30	97/05/07
to	27/50/35	97/05/00
HWL from	27/50/42	97/04/51
to	27/50/39	97/04/47
HWL from	27/50/36	97/04/43
to	27/50/34	97/04/34

3. HYDROGRAPHY

With the exceptions noted below and elsewhere in this report, hydrography is adequate to:

a. delineate the bottom configuration, determine least depths, and draw the standard depth curves;

b. reveal there are no significant discrepancies or anomalies requiring further investigation; and

c. show the survey was properly controlled and soundings are correctly plotted.

Holidays exist at the following locations.

Latitude N	Longitude W	Remarks
27/53/22	97/06/33	Channel limits
27/53/24	97/08/36	Spoil area
27/53/24	97/08/54	Harbor
27/52/45	97/08/15	Channel limits
27/53/00	97/08/50	Channel limits
27/53/32	97/06/35	Channel limits

4. CONDITION OF SURVEY

The hydrographic records and reports received for processing are adequate and conform to the requirements of the Hydrographic Manual, 4th Edition, revised through Change No. 3, the Hydrographic Survey Guidelines, and the Field Procedures Manual, January 1990 Edition, except as follows.

A number of AWOIS and charted items were not investigated, or were inadequately investigated, during this survey. Refer to sections 6 and 7 of this report for identification of these features.

A comparison with all prior surveys common with the present survey was not accomplished. Prior hydrographic surveys H-5613 and H-5693 and prior shoreline maps T-9179 and T-9184 are applicable to this survey and should have been discussed.

The hydrographer mentions checking the clearance of overhead cables but does not provide field notes to support this claim. There is no indication that bridge clearances were checked.

The use of position offsets was not recorded by the hydrographer. Since the PC-DAS also fails to identify positions determined through the use of offset information it is recommended that each position so obtained be purposely identified in the raw hydrographic records. The marginal note should include the term "offset", and the associated range and bearing should be recorded.

5. JUNCTIONS

Survey H-10328 junctions with the following surveys.

Survey	Year	Scale	Area
H-10322	1989-90	10000	East
H-10323	1989-90	10000	South
H-10332	1990	10000	West
H-10360	1990-91	10000	North

The junction with survey H-10322 has not been formally completed since that survey was previously processed and forwarded for charting. The junction comparison was made using a copy. Soundings are in good agreement. Portions of the depth curves on survey H-10322 should be adjusted to conform with those on survey H-10328. Soundings and features have been transferred to survey H-10328 to better portray the bottom in the common area.

The junction with surveys H-10323 and H-10332 have been completed. Soundings and features have been transferred to survey H-10328 to better portray the bottom in the common areas.

The junction with survey H-10360 can not be completed because this survey is in early stages of office processing. The junction comparison will be addressed in the Evaluation Report for survey H-10360. A comparison between the soundings from the final field sheets and charted data indicates fair agreement.

6. COMPARISON WITH PRIOR SURVEYS

H-5613 (1934) 1:20,000
H-5693 (1935) 1:20,000
H-5694 (1934-35) 1:20,000

Surveys H-5613, H-5693 and H-5694 cover the entire area of the present survey. Generally, soundings agree within one to two feet except in areas where dredging has occurred.

Several charted submerged piles and pipes originating from H-5694 were not found or disproven during this survey. These features, listed below, have been brought forward onto this survey.

Feature	Latitude (N)	Longitude (W)
subm pile	27/52/59	97/08/26
subm pile	27/52/50	97/08/17
subm pipe	27/52/42	97/08/11
subm pile	27/52/34	97/08/02
subm pipe	27/52/29	97/07/59
subm pipe	27/52/25	97/07/56
subm pipe	27/52/21	97/07/51
subm pipe	27/52/07	97/07/42
subm dolphin	27/52/01	97/07/51

With the transfer of these items listed above, survey H-10328 is adequate to supersede the prior surveys within the common area.

T-9179 (1948-51) 1:20,000
T-9184 (1948-51) 1:20,000
T-9185 (1948-51) 1:20,000

These prior shoreline maps cover the entire area of the present survey. Many small reefs and spoil islands have either decreased in size or disappeared. Man-made changes, mostly through dredging and the deposition of spoil material, has increased the size of Stedman Island and created other small spoil islands in the area. Dredging has also changed the area on either side of the Intracoastal Waterway and created numerous channels and harbors along the mainland.

AWOIS items 4995 and 4997 originate with prior shoreline map T-9185. Refer to the hydrographer's report for discussion and disposition of these features.

Twenty-seven charted submerged piles and markers, originating from prior shoreline map T-9179, were not found or disproved during this survey. These features marked the northwest limit of the channel southeast of Hog Island, from latitude 27/53/33N, longitude 97/06/30W, northeast to latitude 27/54/39N, longitude 97/05/02W. These features have been brought forward to this survey and are shown as submerged piles.

With the transfer of the features noted above, this survey is adequate to supersede these prior shoreline maps as a source for charted hydrography within the area of common coverage.

7. COMPARISON WITH CHART

Chart 11308, 15th edition, dated July 9, 1988; scale 1:40,000
Chart 11309, 30th edition, dated December 2, 1989; scale 1:40,000
Chart 11314, 15th edition, dated August 15, 1978; scale 1:40,000 (NAD 27)
Chart 11314, 16th edition, dated January 20, 1990; scale 1:40,000 (NAD 83)

Within the area common to the present survey, the 15th and 16th editions of chart 11314 are identical, except for being on different datums.

a. Hydrography

Charted hydrography originates with the prior surveys and prior shoreline maps discussed in section 6 of this report and miscellaneous sources and requires no further discussion, except for the following.

Several charted features were not found or investigated during this survey, or not investigated adequately for disproval. These features, listed below, should be retained at their presently charted positions and depicted as shown below. Note that some of the features have been revised to submerged from their charted status as visible.

Feature	Latitude (N)	Longitude (W)	AWOIS
6 subm piles	27/51/49	97/04/49	5021
subm pile	27/53/23	97/06/31	5978
subm platform PA (ruins)	27/54/27	97/04/59	5041
note "Stakes rep"	27/54/24	97/04/31	5038
note "Shl rep 1982" and channel	27/53/37	97/07/01	5028
subm pile	27/49/41	97/08/12	4884
note "Shl rep"	27/50/00	97/06/25	4892
subm pile	27/54/22	97/05/03	5037
causeway ruins	27/53/24	97/06/36	
causeway ruins	27/53/12	97/06/15	
causeway ruins	27/53/46	97/08/02	
note "shl rep 1978"	27/52/26	97/07/58	
~~note "5 ft rep 1982~~	~~27/53/00~~	~~97/08/50~~	~~5970~~
note "shl rep"	27/49/57	97/06/25	4892
pile	27/53/54	97/08/14	5980

GKM 5/01

The note "Shoaling reported 1983" at latitude 27/53/02N, longitude 97/08/30W, should be removed from the chart. Depths in the survey area are between 8 to 15 feet at MLLW. Chart area according to this survey.

~~The charted note, "12 ft rep 1983", at latitude 27/53/01N, longitude 97/08/43.9W (AWOIS 5971), should be revised to "9 ft rep 1990". The investigation was inadequate to determine, with certainty, the minimum depth in this area.~~ AWOIS item 5971 merged into 5970. See attached AWOIS FORM* 5970.

GKM 5/01

Except for the features listed previously in this section, survey H-10328 is adequate to supersede charted hydrography within the common area.

b. AWOIS

All AWOIS items originate with miscellaneous sources except for the two items mentioned in section 6 of this report. Refer to the hydrographer's report for discussion and disposition of these features, supplemented as follows.

The investigation of AWOIS item 4884, visible pile, was not accomplished. This item was assigned to project via AWOIS, dated 9/12/90, a period during which the field party was conducting pickup work following the previous season's work. The pile should remain as charted.

AWOIS item 4892, "shl rep", at latitude 27/50/00N, longitude 97/06/25W (the AWOIS listing, dated 9/12/90, has the incorrect longitude of 97/06/43.96W), is located in the junction area between survey H-10323 and H-10328. The Descriptive Report for survey H-10323 states that this item will be fully developed on survey H-10328, it was not. The "shl rep" note should be retained as charted.

AWOIS item 4900, two charted piles, were investigated, however, there is inadequate information to delete the piles from the chart. The hydrographer reports locating a pile somewhere distant from the location of the survey launch , but shallow water precluded acquiring a detached position at the pile. The survey records do not adequately describe the range or bearing from the launch position, nor do they document whether an offset position was computed, therefore, the survey position, latitude 27/53/38.9N, longitude 97/08/06.7W, is considered to be approximate. The two piles charted at latitude 27/53/36.5N, longitude 97/08/09.0W and latitude 27/53/41.0N, longitude 97/08/07.0W, respectively, should remain charted since it is not clear which of the two the hydrographer was observing. It is also unclear if the one pile not visible was disproved. Additional field work will be required to adequately determine the status of the piles.

The investigation of AWOIS item 5038, charted note, "Stakes rep", is inadequate. Although the hydrographer was able to observe stakes in the vicinity of the charted stakes he was unable to acquire a good quality position fix. The observed stakes have not been added to the smooth sheet due to this lack of positioning information, however, the charted note should be retained as charted.

The investigation of AWOIS item 5980, visible pile, was not accomplished. The pile exists in the junction area with survey H-10360, however, a review of records indicates it was not investigated during that survey. The pile should remain as charted.

c. Controlling Depths

The depths found during this survey are consistent with or deeper than the charted controlling depths except as follows.

Soundings obtained by this survey are shoaler than the charted note, "45 ft rep 1982-83", for the area centered at latitude 27/50/26N, longitude 97/05/00W. Depths as shoal as 14 feet at MLLW at latitude 27/50/22N, longitude 97/05/24W, were found. This feature is AWOIS Item 5984 and should be charted according to this survey, with a note "14 ft 1990".

The note "14 feet reported" at latitude 27/54/03N, longitude 97/08/01W, should be removed from the chart. Depths in the survey area are between 11 to 13 feet at MLLW. Chart according to this survey with a note "11 ft 1990".

The investigation of AWOIS item 5093, charted note, "20 ft rep 1983", is inadequate. However, despite the lack of investigation the hydrographer did determine that a minimum observed depth of 10 feet exists in a portion of the area referenced by the note. Shallower depths may exist. It is recommended that the charted note be revised to read, "10 ft rep 1990".

AWOIS item 5972, an improved channel, was inadequately investigated, however, the hydrographer did determine that the charted channel has shoaled considerably. The minimum observed depth of 5 feet was located at latitude 27/52/26.1N, longitude 97/07/59.1W. Shallower depths may exist. It is recommended that the depth note associated with the channel be revised to read, "5 ft rep 1990".

d. Aids to Navigation

There are twenty five fixed and nine floating aids located within the area of this survey. These aids were located and serve their intended purpose. The twenty five fixed aids were located to less than 3rd order class I specifications. They are listed in section N of the hydrographer's report.

The following fixed aids to navigation fall within the survey area but were not positioned on survey H-10328. These aids were transferred from the junction surveys.

Light List Name	Latitude N	Longitude W	Survey
Aransas Channel Daybeacon 22	27/53/57	97/08/12.5	H-10360
Aransas Channel Daybeacon 4	27/51/41	97/04/33	H-10322
Aransas Channel Light 3	27/51/38	97/04/36	H-10322
Corpus Christi Channel Light 19	27/49/35	97/08/45	H-10332
Corpus Christi Channel Light 20	27/49/43	97/08/52	H-10332
Mustang Beach Channel Entrance Daybeacon 2	27/49/58	97/06/23	H-10323

e. Geographic Names

Names appearing on the smooth sheet and in the survey title have been approved by the Chief Geographer.

f. Dangers to Navigation

No reports of dangers to navigation were generated during the survey or office processing.

8. COMPLIANCE WITH INSTRUCTIONS

Survey H-10328 adequately complies with the Project Instructions except as noted in this report.

9. ADDITIONAL FIELD WORK

This is an adequate hydrographic survey of poor quality. Additional field work is recommended to investigate the features not found or disproven during this survey, as noted in section 6 and section 7 of this report.

Charles R. Davies
C. R. Davies
Cartographer

APPROVAL SHEET
H-10328

Initial Approvals:

The completed survey has been inspected with regard to survey coverage, delineation of the depth curves, development of critical depths, cartographic symbolization, comparison with prior surveys and verification or disproval of charted data. The digital data have been completed and all revisions and processing have been entered in the magnetic tape record for this survey. Final control, position, and sounding printouts have been made and are included with the survey records. The survey records and digital data comply with NOS requirements except where noted in the Evaluation Report.

Dennis Hill Date: 7-9-91

Dennis J. Hill
Chief, Hydrographic Processing Unit
Pacific Hydrographic Section

I have reviewed the smooth sheet, accompanying data, and reports. This survey and accompanying digital data meet or exceed NOS requirements and standards for products in support of nautical charting except where noted in the Evaluation Report.

Date: 7/16/91

Commander Pamela Chelgren-Koterba, NOAA
Chief, Pacific Hydrographic Section

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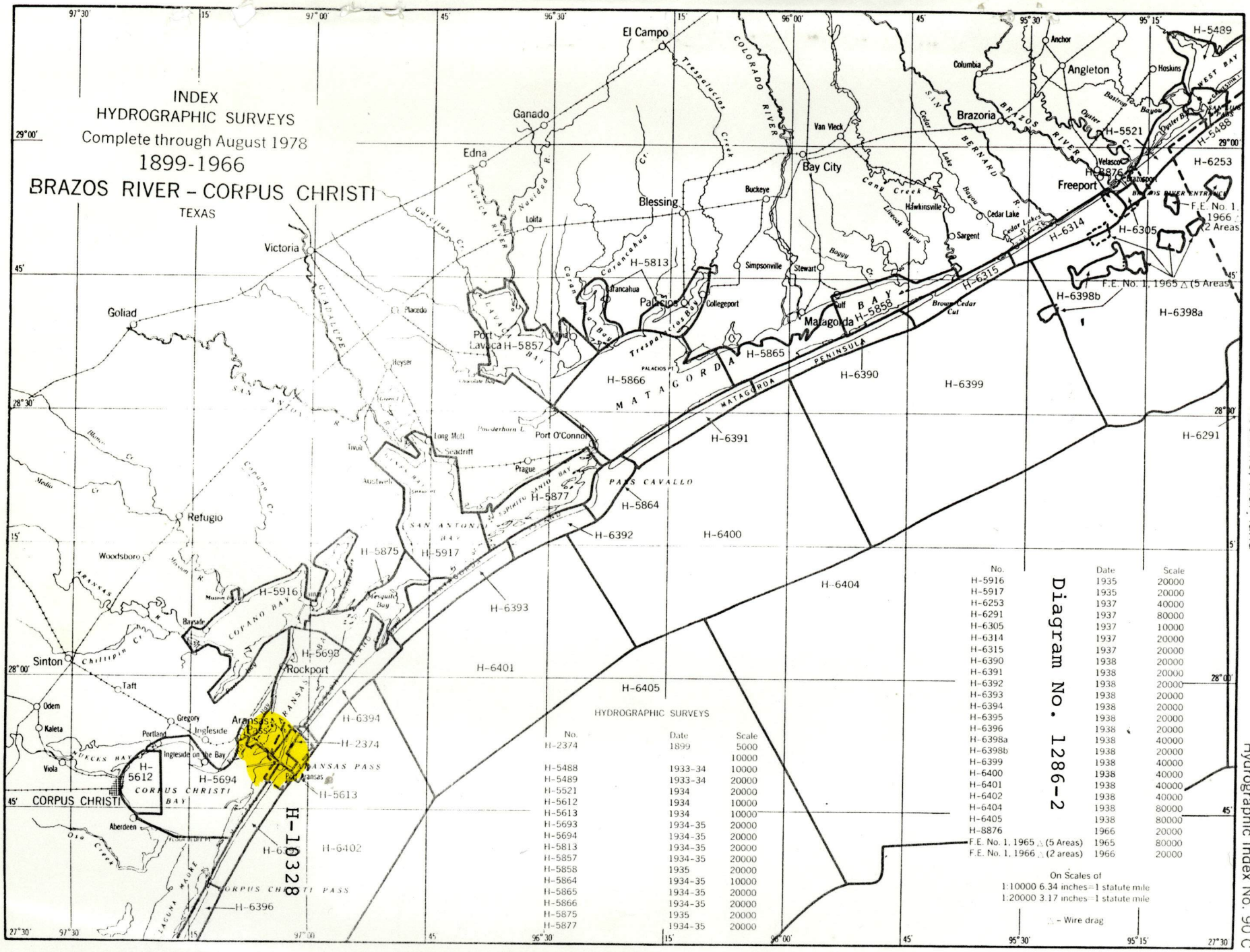
Final Approval

Approved: J. Austin Yeager Date: Aug 14, 1991

J. Austin Yeager
Rear Admiral, NOAA
Director, Coast and Geodetic Survey



HYDROGRAPHIC SURVEYS

No.	Date	Scale
H-2374	1899	5000
		10000
H-5488	1933-34	10000
H-5489	1933-34	20000
H-5521	1934	20000
H-5612	1934	10000
H-5613	1934	10000
H-5693	1934-35	20000
H-5694	1934-35	20000
H-5813	1934-35	20000
H-5857	1934-35	20000
H-5858	1935	20000
H-5864	1934-35	10000
H-5865	1934-35	20000
H-5866	1934-35	20000
H-5875	1935	20000
H-5877	1934-35	20000

No.	Date	Scale
H-5916	1935	20000
H-5917	1935	20000
H-6253	1937	40000
H-6291	1937	80000
H-6305	1937	10000
H-6314	1937	20000
H-6315	1937	20000
H-6390	1938	20000
H-6391	1938	20000
H-6392	1938	20000
H-6393	1938	20000
H-6394	1938	20000
H-6395	1938	20000
H-6396	1938	20000
H-6398a	1938	40000
H-6398b	1938	20000
H-6399	1938	40000
H-6400	1938	40000
H-6401	1938	40000
H-6402	1938	40000
H-6404	1938	80000
H-6405	1938	80000
H-8876	1966	20000
F.E. No. 1, 1965 △ (5 Areas)	1965	80000
F.E. No. 1, 1966 △ (2 areas)	1966	20000

On Scales of
1:10000 6.34 inches=1 statute mile
1:20000 3.17 inches=1 statute mile

△ – Wire drag

NOAA FORM 75-96
(10-83)

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

MARINE CHART BRANCH

RECORD OF APPLICATION TO CHARTS

FILE WITH DESCRIPTIVE REPORT OF SURVEY NO. H-10328

INSTRUCTIONS

A basic hydrographic or topographic survey supersedes all information of like nature on the uncorrected chart.
1. Letter all information.
2. In "Remarks" column cross out words that do not apply.
3. Give reasons for deviations, if any, from recommendations made under "Comparison with Charts" in the Review.

CHART	DATE	CARTOGRAPHER	REMARKS
11309	10/29/90	Russ	~~Full~~ Part Before After Marine Center Approval Signed Via Partial application
			Drawing No. of sndgs from ~~3/8~~ preliminary Sndg Plot.
11307	11/15/90	R.N. Mihailov	Full ~~Part~~ Before After Marine Center Approval Signed Via Full application
			Drawing No. this 11309, no sndgs. applied
11314	5/24/91	SL Kay/Russ Davis	~~Full~~ Part Before ~~After~~ Marine Center Approval Signed Via Partial application
			Drawing No. of Sndgs from field sheet.
~~11311~~			
11313	1-29-91	Ken Foster	Full ~~Part Before~~ After Marine Center Approval Signed Via
			Drawing No. 39 Exam-n/c-no coverage.
11308	3-11-92	Dan Clark	Full ~~Part Before~~ After Marine Center Approval Signed Via
			Drawing No. 17
11300	6-10-92	K.R. Foster	Full ~~Part Before~~ After Marine Center Approval Signed Via
			Drawing No. 45 Exam-n/c-no coverage.
11309	7/28/92	L. McKenan	Full ~~Part Before~~ After Marine Center Approval Signed Via
			Drawing No. 51 APPD Then Cht 11308
11312	11/6/96	Travis Newman	Full ~~Part Before~~ After Marine Center Approval Signed Via
			Drawing No. 2
			Full Part Before After Marine Center Approval Signed Via
			Drawing No.
			Full Part Before After Marine Center Approval Signed Via
			Drawing No.

SUPERSEDES C&GS FORM 8352 WHICH MAY BE USED.