

# 10363

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-10-18-90  
Registry No. .... H-10363

### LOCALITY

State ..... Texas  
General Locality ..... Corpus Christi Bay  
Sublocality ..... Long Reef

19 90-91

CHIEF OF PARTY  
LCDR V.D. Ross

### LIBRARY & ARCHIVES

DATE ..... March 19, 1992

# 10363

CHTS

11312

11308

11309



## HYDROGRAPHIC TITLE SHEET

H-10363

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 10-18-90

State Texas

General locality Corpus Christi Bay

Locality Long Reef

Scale 1:10,000 Date of survey 11/14/90 - 2/15/91

Instructions dated September 14, 1990 Project No. OPR-K229-AHP

Vessel 0519

Chief of party LCDR V. Dale Ross

Surveyed by Robert W. Ramsey, Jr.

Soundings taken by echo sounder, hand lead, ~~pole~~

Graphic record scaled by RWR, JB, CM, TMR

Graphic record checked by RWR, JB, CM, TMR

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

~~Processed by~~

Evaluation by: C.R. Davies

~~Verification by~~

Soundings in Meters ~~fathoms~~ ~~feet~~ at ~~MHW~~ MLLW and decimeters

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 ✓ 3/25/92 SJV*



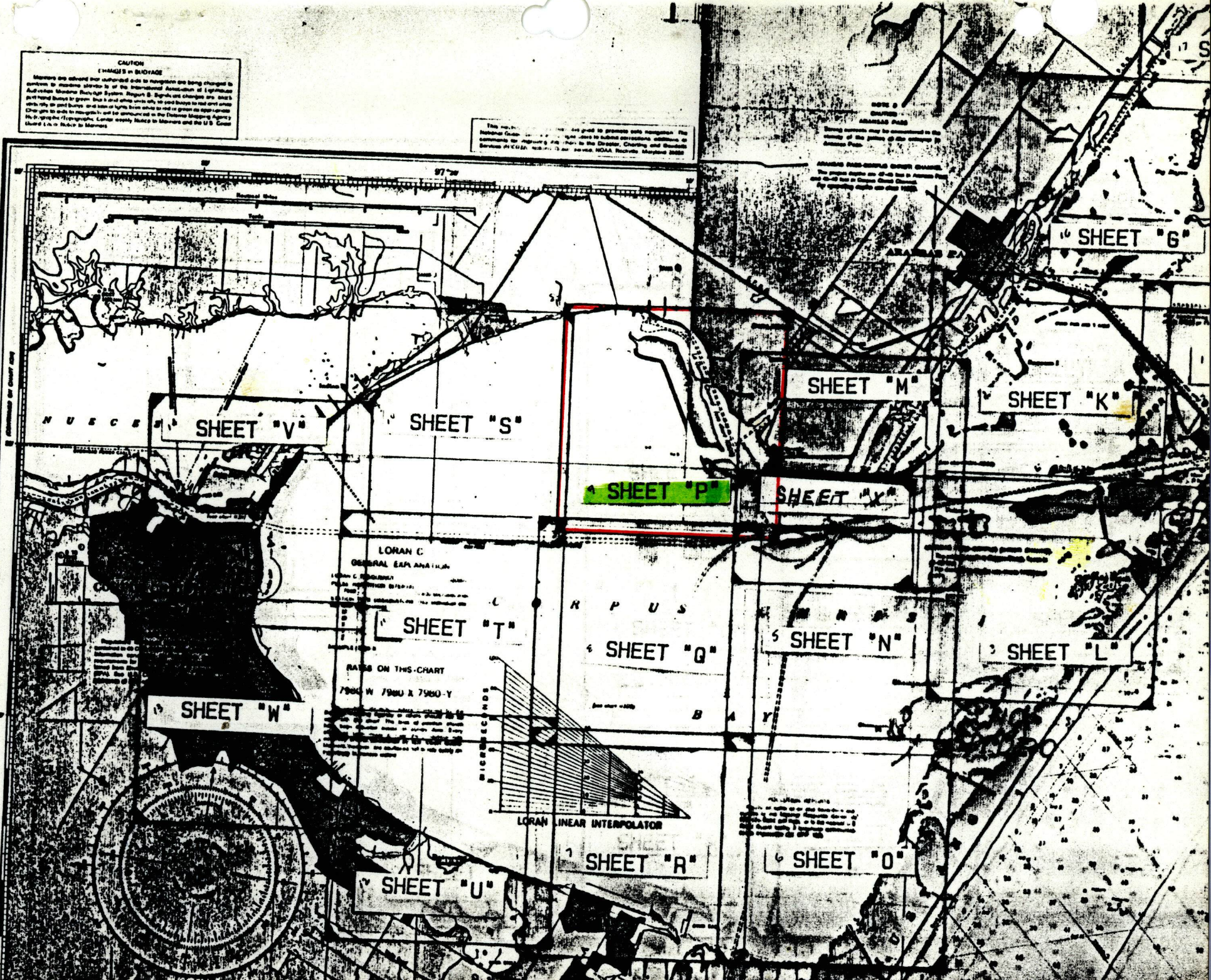
**CAUTION**  
 (CHANGES IN SOUNDINGS)  
 Mariners are advised that soundings are being changed to conform to the latest information as to the location of the Loran C stations. Mariners are advised that soundings are being changed to conform to the latest information as to the location of the Loran C stations. Mariners are advised that soundings are being changed to conform to the latest information as to the location of the Loran C stations.

This chart is published to provide safe navigation. The National Oceanic and Atmospheric Administration is not responsible for any loss of life or property resulting from the use of this chart. The National Oceanic and Atmospheric Administration is not responsible for any loss of life or property resulting from the use of this chart.

**NOTE**  
 CHARTS  
 ARABIAN PERSIAN GULF  
 Being revised may be concerned in the vicinity of the gulf of the Persian Gulf. Being revised may be concerned in the vicinity of the gulf of the Persian Gulf.

11307

LORAN C OVERPRINTED





DESCRIPTIVE REPORT TO ACCOMPANY  
HYDROGRAPHIC SURVEY H-10363  
(Field No. AHP-10-18-90)  
Scale: 1:10,000  
1990

Atlantic Hydrographic Party Two  
Chief of Party: Lt. Cdr. V. Dale Ross, NOAA

A. PROJECT ✓

This survey was conducted in accordance with Hydrographic Project Instructions OPR-K229-AHP2, Corpus Christi Bay, Texas dated September 14, 1990.

The purpose of project OPR-K229-AHP2 is to provide contemporary hydrography for the maintenance of existing charts, and for the compilation of a new inset depicting U.S. Naval Base Port Ingleside.

This survey is designated as sheet "P" in the project sheet layout.

B. AREA SURVEYED ✓

The area surveyed for H-10363 is La Quinta Ship Channel, and the northeast quadrant of Corpus Christi Bay. The following geographic position approximate the boundaries of the surveyed area :

27° 52' 48" N	097° 17' 48" W
27° 53' 1" N	097° 13' 0" W
27° 49' 0" N	097° 17' 48" W
27° 49' 0" N	097° 13' 0" W

This survey was conducted from November 14, 1990 (DN 318) to February 15, 1991 (DN 046).



### C. SOUNDING VESSEL ✓

Vessel 0519 (EDP No. 0519), a 21-foot MonArk, was the only sounding vessel used during this survey. Sounding lines were run at 50- and 100-meter spacing, per Section 4.3 of the hydrographic manual.

### D. AUTOMATED DATA ACQUISITION AND PROCESSING ✓

Hewlett-Packard HDAPS Programs:

Program	Version	Date
Survey	4.61	11/01/90
Constat	2.05	11/01/90
Postsur	4.17	11/01/90
Printout	2.23	11/01/90
Baseline	1.02	11/01/90
Backup	1.03	11/01/90
Quick	1.04	11/01/90
Conplot	1.02	11/01/90
Diagnostics	2.50	11/01/90
Compute	2.03	11/01/90
Point	1.20	11/01/90
Install	1.31	11/01/90
Plotall	1.77	11/01/90
Filesys	1.72	11/01/90
ABST	3.05	11/01/90
Loadnew	1.22	11/01/90
Convert	2.36	11/01/90
Inverse	1.21	11/01/90
Listawois	1.10	11/01/90
Reject	1.00	11/01/90
Carto	1.00	11/01/90
Vers	*.**	11/01/90
Backold	1.00	11/01/90
Newcont	1.00	11/01/90
Sifter	*.**	11/01/90
Tplot	*.**	11/01/90
Cellmaker	*.**	11/01/90
Readprojs	*.**	11/01/90
Reapply	*.**	11/01/90
Confile2	1.00	11/01/90
Global	*.**	11/01/90
Makefix	*.**	11/01/90
Bigabst	*.**	11/01/90
Coordut	*.**	11/01/90

PC-DAS program, NOAAEXE directory, Version 3.6 was used for on line data acquisition on the survey vessel.



In addition to the HDAPS, the following non- HDAPS computer programs were used:

VELOCITY (IBM PC)	1.11	3/9/90
MTEN3 with enhancements (IBM PC)		6/88
Geodetic computations		
WordPerfect	5.1	1989
Volkswriter	***	****

E. SONAR EQUIPMENT ✓

N/A

F. SOUNDING EQUIPMENT ✓

Per Section 1.8 of the project instructions, main scheme lines were attempted to the 0.6-meter isobath. However, with the incorporation of the new Innerspace sounder, the vessel and instrument constraints were found to be limited to analog and digital data acquisition of 0.4-meter plus the draft of 0.34 meter for a minimum of 0.74-meter sounding data.

The following Innerspace 448 echo sounder was used for this survey:

<u>EDP #</u>	<u>S/N</u>	<u>Days</u>
0519	186	318,319,324,331,332, 334,340,341,344,347, 348,007,010,014,016, 022,023,024,025,030, 031,038,038,042,043, 044,045,046.

Soundings were recorded in meters, with an assumed speed of sound through water of 1500 m/sec. Depths encountered in the survey area range from 0.7<sub>5</sub> meter to 15.2 meters.

The digitized soundings from the Innerspace 448 (s/n 186) matched the echo sounders trace. The only manipulation of this instrument was in the gain or sensitivity operating in a gated setting. The utilization of this sounding instrument reduced both acquisition and processing time by days over the length of the survey.

G. CORRECTIONS TO ECHO SOUNDINGS ✓

Corrections for the speed of sound through the water column were computed from data obtained with an Odom Digibar, speed of sound probe serial number 154. Program "Velocity" was used for determining the speed of sound correctors.



Speed of sound correctors were applied during semi-smooth and final plotting by the HDAPS system.

Speed of sound tables are included in the Separates Following Survey Data.\*

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 +0.06 to -0.03 meter. These instrument corrections were not applied to final field sheet soundings and are included in the Separates Following Survey Data,\* along with lead line comparison logs, for reference. The lead line used for survey H-10363 was layed out alongside, a steel tape on 08 November 1990. The lead line has no corrector.

Static draft corrections were applied to all soundings acquired with the Innerspace 448 echo sounder. A 0.34 meter static draft correction was applied through offset table #2 to all sounding data acquired with EDP No.0519, while on-line. The offset table number two is included with the Separates Following Survey Data.\*

Settlement and squat measurements for vessel 0519, were performed on 08 November 1990 at Jewel Fulton Channel, Ingleside, Texas using Zeiss level No.08764. These values were applied during all data acquisition.

Predicted tide corrections to MLLW datum were applied to all soundings during office data processing on the HDAPS using the reference station and correctors designated in the project instructions. 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.

Approved water levels were requested from the Sea and Lake Levels Branch in a letter dated 20 February 1991. A copy of the letter is included in the Descriptive Report Appendices.\*

#### H. CONTROL STATIONS *See EVAL Report 2*

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

All control stations used on this survey were either existing stations or stations set by the Coastal Surveys Unit using third order, class I traverse and intersection methods. One exception, station "NIMROD", was established as a non-recoverable mark (resection figures are included in part III of the Separates

*\* Filed with the hydrographic data*



with Survey Data). The horizontal control report was written within the Coastal Surveys Unit and was forwarded to the Atlantic Hydrographic Section in Norfolk, Virginia.

Numerous days of production were hampered while working on the eastern section of H-10363 in La Quinta Channel, due to the lack of ground control within this area.

Geographic positions for all control stations used on this survey are underlined and included with the station list in the Descriptive Report Appendices.

Geographic positions based on NAD 27 were plotted on the smooth sheet utilizing the NAD 83 projection by applying the following corrections:

Latitude: 1.03"  
Longitude: 0.97"  
                    93"  
                    967"

#### I. HYDROGRAPHIC POSITION CONTROL ✓

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; as was range/azimuth, but to a lesser degree.

The following Falcon Mini-Ranger equipment was used:

<u>VESNO</u>	<u>Equipment</u>	<u>S/N</u>	
0519	RPU	E0160	
	R/T	F3389	
	R/S	C2067	CD# 1
	R/S	C2058	CD# 2
	R/S	E2906	CD# 3
	R/S	F3237	CD# 4
	R/S	F3298	CD# 5
	R/S	C2091	CD# 6

Note: CD# = code number

The following optical surveying instruments were used for all range/azimuth work during survey H-10363:

Nikon NTD2	s/n 031045
Nikon NTD2	s/n 031033
Topcon ET-1	s/n F30983

Fixes which had erratic lines of position indicated by high residuals on the "raw" listing were "smoothed" during data processing. Positions were "smoothed" by dead reckoning between two accurate positions.

Fixed point system checks were performed on days when shore stations were established or when relocating MiniRanger reference stations to different locations. All fixed point checks values were less than 5 meters, which is within the required limits in the field procedures manual. Results of these fixed point checks are included in the Separates Following Survey Data.\* Fixed point system checks were, likewise, performed on days that range/azimuth was used for positioning. Annotations of these checks were made on the respective fathograms.

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 #2 and #3 for application directly to all "on-line" data. All records of these calibrations are included in the Separates Following Survey Data.\*

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

#### J. SHORELINE *See EVAC Report, section 2*

Shoreline for H-10363 was traced from TP-01613, a 1:20,000 scale that was enlarged to 1:10,000 scale; and TP-01613, a 1:7,500 scale that was enlarged to 1:5,000 scale. The later from photogrammetry flown in 1989. Predominantly, this shoreline and all navigation aids were found to agree. Items found not agreeing were noted on the field sheets.

Shoreline notations on the Notes to Hydrographer were labeled with numbers 1 through 5, remarks were made on the Notes To Hydrographer sheet and submitted with survey H-10363.

All "see field sheet" (SFS) work appears on the final field sheet in blue ink. All shoreline changes on the final field sheet appear in red ink. All verified shoreline appears on the final field sheet in black ink. *See smooth sheet and section 2 of EVAC Report for areas that are drawn in red.*

Remarks can also be found on the Field Sheets.

#### K. CROSSLINES ✓

A total of 28.5 linear nautical miles of crosslines were run on H-10363 which serve as a comparison with the main scheme soundings. The number of linear nautical mile of crosslines equals 11% of the main scheme hydrography. These soundings agree to within 0.2 meter of the main scheme soundings.

\* Filed with the hydrographic data.



L. JUNCTIONS *See Enac Report, section 5*

This sheet junctions with H-10364, 1: 5,000 (1990) to the southeast; and H-10326, 1: 10,000 (1989) to the south. The soundings between these surveys agree to within 0.3 meter and the isobaths between the three surveys junctioned well. *And joins survey H-10369 to the west.*

M. COMPARISON WITH PRIOR SURVEYS *See Enac Report, section 6*

The present survey was compared to the following prior surveys:

<u>SURVEY NO.</u>	<u>SCALE</u>	<u>YEAR</u>
H-5694	1:20,000	1934-35
T-9177	1:20,000	1949-51
T-9184	1:20,000	1948-51

T-9177 was found to represent no significant value and is superseded by TP-01613 in all respects. The surveying hydrographer recommends removal of T-9177 from future comparisons.

T-9184 was found to represent no significant value and is superseded by TP-01613 in all respects. The surveying hydrographer recommends removal of T-9184 from future comparisons.

H-5694 was found to represent no significant value with respect to shoreline features and is superseded by TP-01613 in this respect. This prior survey was, likewise, found to be of little use with respect to isobath definitions, and most soundings within the surveyed area. This is due to major dredging operations conducted by the Army Corp of Engineers from the Corpus Christi ship channel due north to La Quinta Channel. These operations changed the bathymetric profiles so drastically as to render comparisons unrealistic. The bottom sample characteristics between H-5694 and H-10363 generally agree. The surveying hydrographer recommends that H-5694 be superseded by H-10363 in the common survey areas in all respects.

N. COMPARISON WITH THE CHART *See Enac Report, section 7*

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

<u>Chart No.</u>	<u>Edition</u>	<u>Edition Date</u>
11308	15th	July 09, 1988
11309	30th	December 2, 1989
11312	1st	June 23, 1990

The isobath definitions compared favorably between survey H-10363 and the above listed charts, with consideration given to the shift from feet to meters.

The following discrepancies were noted regarding chart 11309, the source of the chart enlargement:

a) Shoreline presently charted on the northwestern section of the spoil island lying due west and adjacent to La Quinta Channel has not been updated to reflect TP-01613 shoreline data, which is generally accurate.

b) The above referenced spoil island has been reactivated as of March 1991.

c) Navigation aid Light 14 (LL#27610), is presently charted on land at Donnel Point. This light, in reality, lies due west in the water. Reference position #12, day number \*\*\* photograph included. The shoreline along Donnel Point shows evident signs of erosion. *See smooth sheet for depiction of area at lat. 27°51'38"N, long 97°14'39"W*

d) The privately maintained "Q R Light", LL #27675, located at Reynolds Metal Co., has been removed by same during the summer of 1990. This was confirmed by the USCG Aids to Navigation Team at Corpus Christi, Texas.

e) Daybeacon "21" was removed by the USCG Aids to Navigation Team at Corpus Christi, Texas during the Summer of 1990.

f) Bouys "RN 4", "RN 6", "RN 8", and "RN 10" located near the Dupont chemicals plant, have been removed by that facility's operators. *RN "4" lat. 27°52'14"N, long. 97°14'41"W, RN "6" 27°52'17"N, long. 97°14'46"W, RN "8" lat 27°52'31"N, long. 97°14'57"W, RN "10" lat 27°52'30"N, long. 97°15'04"W.*

g) The 6-foot isobath defining a 3-foot shoal, located at 27° 51.6'N and 097°15.6'W, appears to have leveled-off with the surrounding depths. These depths average 2.3<sup>8</sup> meters and have a range of from ~~1.9~~<sub>2.0</sub> to 3.9 meters.

h) There was one danger to navigation letter submitted. A pipe baring 0.7 meter at MLLW, with a field position of 27°51'37.1<sup>47</sup><sub>39</sub>"N and 097°15'33.5<sup>01</sup><sub>42</sub>"W was found.

i) Position #1417, day number 014, marks the highest point, 0.7m, of a developing spoil island. This island lies within an active spoil area at a field position of 27°49'01.7<sup>3</sup>"N and 097°14'51.8"W. This position lies due north of Corpus Christi Ship Channel.

All AWOIS items, totaling 39, were addressed. AWOIS items appear on the overlay sheet and are filed in the Separates Following Survey Data. There were a total of thirteen AWOIS items originating from "Blue Print" documents. These are as follows:



<u>BP No.</u>	<u>AWOIS No.'s</u>
BP65083/1963, COE	6083,6086
BP67719/1965, COE	6080
BP68285/1965, COE	6074
BP87375/1973, RU/HE	6075,6078-79,6081-82,
BP87375/1973, RU/HE	6088-89
BP120894/1982, Nanci	6076,6102
BP87875-- ,RU/HE	6064

# O. ADEQUACY OF SURVEY ✓

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

# P. AIDS TO NAVIGATION ✓

No floating aids to navigation are located in the survey area. "RN4", "RN 6", "RN 8", and "RN 10" have been removed.

There are 21 navigation aids located in the surveyed area that were positioned. *Four additional aids are located within the survey limits, they are listed below.*

<u>Aid to Navigation</u>	<u>Survey Position</u>	<u>Fix #</u>	<u>Lightlist #</u>
Corpus Christi Cut B East Range Front Light	27°48'38.784"N 97°13'40.998"W		27285
" La Quinta Channel"			

Fl G "3"	27°49'09.53"N 097°13'27.17"W	1	27515
Fl G "5"	27°49'27.94"N 097°13'35.80"W	2	27530
Fl R "6"	27°49'29.76"N 097°13'29.84"W	1285	27525
Fl G "7"	27°49'56.85"N 097°13'49.38"W	3	27555
Fl R "8"	27°50'02.91"N 097°13'45.45"W	4	27560
Lt "B" Ingleside Cove pipe crossing	27°50'17.31"N 097°13'50.51"W	5	27570
Lt "A" Ingleside Cove pipe crossing	27°50'14.10"N 097°14'00.12"W	6	27565
Fl R "10"	27°50'28.43"N 097°13'57.69"W	7	27575

Aid to Navigation   Survey Position   Fx #   Lightlist #

" Jewell Fulton Channel "

Dayboard #1	27°50'34.99"N	8	27580
Green Square	097°13'53.47"W		
Dayboard #3	27°50'40.17"N	1287	27585
Green Square	097°13'43.94"W		
Dayboard #4	27°50'38.31"N	1286	27590
Red Triangle	097°13'42.05"W		

" La Quinta Channel "

Fl R "12"	27°50'57.25"N	9	27600
LA Quinta Channel Inner	097°14'11.46"W		27550
Range Rear Light	27° 53' 30.19"N 97° 15' 29.08"W		
Fl G "11"	27°50'54.36"N	10	27595
LA Quinta Channel Inner	097°14'17.86"W		27545
Range Front Light	27° 52' 31.87"N 97° 15' 0.96"W		
Dayboard #13	27°51'27.25"N	11	27605
Green Square	097°14'33.94"W		
Fl R "14"	27°51'35.19"N	12	27610
	097°14'30.14"W		
Fl G "15"	27°52'06.50"N	13	27620
	097°14'52.68"W		
Fl G "17"	27°52'24.77"N	14	27645
	097°15'07.89"W		
Fl R "18"	27°52'32.76"N	15	27650
	097°15'12.15"W		
Dayboard #20	27°52'36.55"N	16	27660
Red Triangle	097°15'27.92"W		
Fl G "19"	27°52'28.68"N	1269	27655
	097°15'32.06"W		
Fl G "23"	27°52'25.60"N	1270	27670
LA Quinta Channel Outer	097°15'51.85"W		27535
Range Front Light	27° 48' 44.55"N 97° 13' 11.55"W		

There are no charted submarine cable crossing in the surveyed area. There are four pipeline crossing signs in the survey area. Positions #5 and #6, day number 318, mark the charted pipeline crossing signs, positions #1979 and #1980, day number 030, mark uncharted pipeline crossing signs that appeared to be abandoned (ie. no markings on sign face, however the pipe

pos# 1979 - lat. 27/51/20.02 N , long. 97/14/16.81 W

pos# 1980 - lat. 27/51/11.49 N , long. 97/14/35.11 W



can be seen entering the water at the eastern crossing sign). Photographs for the pipe crossing signs may be found in part VI of the Separates Following Survey Data.\*

Q. STATISTICS ✓

<u>Description</u>	<u>Quantities</u>
Rejected Positions	112
Total Positions	2451
Detached Positions	74
Duplicate Positions	28
Omitted Positions	10
Total Nautical Miles of Hydrography	255
Sq. Nautical Miles of Hydrography	10
Bottom Samples	36
Days of Production	28

R. MISCELLANEOUS ✓

Bottom samples were taken in accordance with Section 6.7 of the project instructions. The bottom samples were mailed to the Smithsonian Institution on 26 January 1991. Bottom sample positions and descriptions are plotted on the overlay and are listed on the Oceanographic Log Sheet-M, NOAA Form 75-44, which may be found in the Separates Following Survey Data.\*

No anomalous currents were observed in the survey area.

La Quinta Channel and Turning Basin will be dredged to a minimum depth of 47 feet by the Army Corps of Engineers between March and May of 1991. Contact: Mr. Robert Beggs 512-884-3385 for more information. As a direct result of these upcoming operations, La Quinta Channel and Turning Basin were not developed to 50-meter line spacings.

Tides in the vicinity are greatly effected by weather conditions. High sustained winds(15k +) cause shoal areas to bare when blowing from the north , and mound up(higher water levels) when blowing from the south.

S. RECOMMENDATIONS ✓

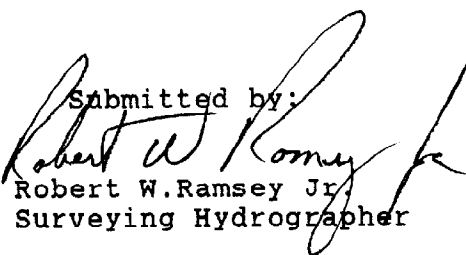
Not applicable.

\* Filed with the hydrographic data.

T. REFERRAL TO REPORTS ✓

<u>Title</u>	<u>Transmittal Information</u>
Descriptive Report To Accompany Survey H-10364	Pacific Hydrographic Section N/CG2451 Seattle, WA
Descriptive Report To Accompany Survey H-10326	Pacific Hydrographic Section N/CG2451 Seattle, WA
Horizontal Control Report for OPR-K229-AHP2	Field Photogrammetry Section N/CG233 Norfolk, VA
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:

  
Robert W. Ramsey Jr.  
Surveying Hydrographer



AWOIS # 6064 PS#26

DATE:11/14/90 (318)

CHART #11309, 30th Ed., Dec/89  
LAUNCH # 0519

ITEM DESCRIPTION: Sign, rpt by USPS, RU/HE rev. to subm pile.

SOURCE: CL138/71---USPS  
BP87375----RU/HE

\*\*\*\*\*  
GEODETTIC POSITION LATITUDE N LONGITUDE W POSITION #

CHARTED: 27°50'17.09"N 097°13'49.96"W NAD83

OBSERVATIONS: 27°50'<sup>17.31"</sup>3'N 097°13'<sup>50.52"</sup>8'W 5

POSITION DETERMINED BY: R/Az

METHOD OF INVESTIGATION: Visual indentification of eastern pipe crossing sign located at reported position. This item can be viewed in photograph for fx:5.

FINDINGS: Pipeline crossing sign at reported position.

\*\*\*\*\*

DIVE INVESTIGATION : NO

DIVERS:

SEARCH RADIUS:

WATER VISIBILITY:

MAX DEPTH:

BOTTOM TIME:

LEAST DEPTH:

FINDINGS:

CHARTING RECOMMENDATIONS: Retain as charted using g.p. for fx:5.  
See photograph for detail.

*added sign*  
Remove subm. pile note. Pipeline sign identified on smooth sheet as Ingleside Cove Pipeline marker Light B.

AWOIS # 6065 PS#26

DATE: 2/13/91 (044)

CHART #11309, 30th Ed., Dec/89  
LAUNCH # 0519

ITEM DESCRIPTION: Subm. pipe PA

SOURCE: LNM25/79----8th CGD

\*\*\*\*\*  
GEODETIC POSITION LATITUDE N LONGITUDE W POSITION #

CHARTED: 27°50'16.09"N 097°14'15.96"W NAD83

OBSERVATIONS: 27°50'<sup>2</sup>'<sub>16.13"</sub>N 097°14'<sup>3</sup>'<sub>16.01"</sub>W 2411

POSITION DETERMINED BY:R/R

METHOD OF INVESTIGATION: Diver search to 100 meters of g.p. for  
fx:2411.

FINDINGS: No snags or visual contacts were made within search area.

\*\*\*\*\*

DIVE INVESTIGATION : YES

DIVERS: RWR, TMR

SEARCH RADIUS: 100m

WATER VISIBILITY: 4m

MAX DEPTH: 2.8m

BOTTOM TIME: 38min

LEAST DEPTH:

FINDINGS:

CHARTING RECOMMENDATIONS: Removal of presently charted feature  
from the chart.

*CONCUR*

DATE:1/22/91(022)

ITEM DESCRIPTION: Controlling depth of 4 feet.

```
*****
GEODETIC POSITION          LATITUDE N          LONGITUDE W          POSITION #
*****
```

CHARTED:	27° 50' 19.09"N	097° 14' 20.96"W	NAD83
OBSERVATIONS:	27° 50' <sup>22.19"</sup> 3"N	097° 14' <sup>48.79"</sup> 7"W	<del>1603</del> 1516/2

**METHOD OF INVESTIGATION:** Sounding lines.

FINDINGS: The reported controlling depth of 4 feet was found to lie on shoal. The controlling depth for the east/<sup>1516/2</sup>west passage between these two islands lies at the g.p. for fx:1603, and is 1.8<sub>3</sub> (4ft) meters deep. See photograph for fx:1603, AWOIS #6066.

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

CHARTING RECOMMENDATIONS: Chart controlling depth ( located by sounding line data ) of 1.8 meters at g.p. for fx: 1603.  
(4ft) 15/16/2

Not a controlling depth, rather localized shoaling.  
Chart according to smooth sheet.

DATE: 2/12/91(043)

ITEM DESCRIPTION: pipe

SOURCE: CL970/72---USPS

```

*****
GEODETTIC POSITION          LATITUDE N          LONGITUDE W          POSITION #
          CHARTED:          27° 51' 07.09"N    097° 15' 40.96"W          NAD83
          OBSERVATIONS:      27° 51' 07.16"11"N    097° 15' 40.83"17"W          2406

```

POSITION DETERMINED BY: R/R

METHOD OF INVESTIGATION: Visual, and Sounding line search of central g.p. area. Dive circle search to 200 meters of g.p.

FINDINGS: Sounding search showed no significant contact. Dive search had no snags or visual contacts within search area.

\*\*\*\*\*  
DIVE INVESTIGATION : YES  
DIVERS: RWR, TMR  
SEARCH RADIUS: 200 meter  
WATER VISIBILITY: 3-5 m  
MAX DEPTH: 4m BOTTOM TIME: 42min LEAST DEPTH:

**FINDINGS:**

CHARTING RECOMMENDATIONS: Removal of presently charted feature from future chart production data base. *Simon*



DATE: 2/12/91(043)

ITEM DESCRIPTION: Subm pile

*****			
GEODETIC POSITION	LATITUDE N	LONGITUDE W	POSITION #
CHARTED:	27°51'03.59"N	097°15'10.96"W	NAD83
OBSERVATIONS:	27°51' <sup>0</sup> <sub>03.59"</sub> N	097°15' <sup>2</sup> <sub>11.00"</sub> W	2407

**METHOD OF INVESTIGATION:** Dive circle search to 200 meters of g.p.

```
*****
DIVE INVESTIGATION :          YES
DIVERS: RWR, TMR
SEARCH RADIUS: 200 m
WATER VISIBILITY: 3-5 m
MAX DEPTH:      2.5m      BOTTOM TIME:  48min      LEAST DEPTH:
```

CHARTING RECOMMENDATIONS: Removal of presently charted feature from future chart production data base. *Concur*

AWOIS # 6069 PS#26

DATE:2/7/91(038)

CHART #11309, 30th Ed., Dec/89

LAUNCH # 0519

ITEM DESCRIPTION: Extent of piers

SOURCE: Unknown---2 pier ruins

\*\*\*\*\*  
GEODETIC POSITION                      LATITUDE N                      LONGITUDE W                      POSITION #

CHARTED:                      27°50'12.09"N                      097°13'17.96"W                      NAD83

OBSERVATIONS:                      27°50'<sup>2</sup>'<sub>12.55"</sub>N                      097°13'<sup>3</sup>'<sub>16.76"</sub>W                      2275

POSITION DETERMINED BY: R/Az

METHOD OF INVESTIGATION: Visually indentified as described, and location. Item appears on TP-01613.

FINDINGS: Existing pier with new covered boat slips, see photograph for fx:2275/ AWOIS# 6069.

\*\*\*\*\*  
DIVE INVESTIGATION :                      NO

DIVERS:

SEARCH RADIUS:

WATER VISIBILITY:

MAX DEPTH:

BOTTOM TIME:

LEAST DEPTH:

FINDINGS:

CHARTING RECOMMENDATIONS: Retain as previously charted, modify as per photograph, and position covered boat slips at g.p. of fx:2275.

*Do not concur, remove pier ruins from chart, chart piers from shoreline maps TP-01613 and this survey.*

DATE: 2/11/91(042)

ITEM DESCRIPTION: Extent of piers.

SOURCE: Unknown-- 5 piers, two pier ruins.

*****			
GEODETIC POSITION	LATITUDE N	LONGITUDE W	POSITION #
CHARTED:	27° 50' 18.09"N	097° 13' 17.96"W	NAD83
OBSERVATIONS:	27° 50' <sup>18.57"</sup> 3"N	097° 13' <sup>18.54"</sup> 3"W	2311
	27° 50' <sup>17.50"</sup> 3"N	097° 13' <sup>17.97"</sup> 3"W	2312

POSITION DETERMINED BY: R/Az

METHOD OF INVESTIGATION: Visual indentification of existing pier (2311), and associated ruins (2312).

**FINDINGS:** See photographs of fx:2311 and fx:2312.  
2311-----offshore end of wooden pier (2m).  
2312-----offshore wooden piles (1m), and conc. ruins.

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

**FINDINGS:**

CHARTING RECOMMENDATIONS: Retain existing pier, and position with  
fx:2311. Chart "foul" at fx:2312. See photograph for detail.  
Do not concur. See smooth sheet for depiction of the area. Chart one pier and  
one ruins. Remove 4 piers and 1 ruins.

DATE: 2/11/91(042)

ITEM DESCRIPTION: Extent of piers.

*****			
GEODETIC POSITION	LATITUDE N	LONGITUDE W	POSITION #
CHARTED:	27° 50' 27.09"N	097° 13' 27.96"W	NAD83
OBSERVATIONS:	27° 50' <sup>4</sup> / <sub>26.81</sub> " N	097° 13' <sup>4</sup> / <sub>26.22</sub> " W	2313

METHOD OF INVESTIGATION: Visual indentification as described, and TP-01613.

```

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

FINDINGS:

```

CHARTING RECOMMENDATIONS: Retain charted pier, modified as per photograph at fx:2313. Do not enclose. Remove two pier ruins. Chart active pier at the above position. See smooth sheet for depiction.



AWOIS # 6072 PS#26

DATE: 2/07/91(038)

2/11/91(042)

CHART #11309, 30th Ed., Dec/89

LAUNCH # 0519

ITEM DESCRIPTION: Extent of piers

SOURCE: Unknown-- 2 piers

\*\*\*\*\*

GEODETIC POSITION	LATITUDE N	LONGITUDE W	POSITION #
CHARTED:	27° 50' 32.09"N	097° 13' 30.96"W	NAD83
OBSERVATIONS:	27° 50' <sup>34.30"</sup> 6' N	097° 13' <sup>30.23"</sup> 5' W	2289
	27° 50' <sup>32.57"</sup> 5' N	097° 13' <sup>31.80"</sup> 5' W	2314

POSITION DETERMINED BY: R/Az

METHOD OF INVESTIGATION: Visual indentification of reported feature, and TP-01613.

FINDINGS: Fix:2289 shows conc. seawall and pier ruins(lm), this position was obtained while running sounding lines. Fix:2314 shows offshore ruins, awash, associated with inshore pier ruins. See photograph of these two position for detail.

\*\*\*\*\*

DIVE INVESTIGATION :

NO

DIVERS:

SEARCH RADIUS:

WATER VISIBILITY:

MAX DEPTH:

BOTTOM TIME:

LEAST DEPTH:

FINDINGS:

CHARTING RECOMMENDATIONS: Retain pier ruins as charted, modified to photograph at fx:2289. Chart "foul" to 3m radius of fx:2314 offshore of the pier ruins. See photograph for details. *Do not connect chart ruins covered 0.2m (0.5ft) at MLLW see smooth sheet for depiction.*

AWOIS # 6073 PS#26 inset

DATE:2/11/91(042)

CHART #11309, 30th Ed., Dec/89

LAUNCH #0519

ITEM DESCRIPTION: Extent of piers

SOURCE: Unknown-- 3 piers

\*\*\*\*\*  
GEODETIC POSITION                      LATITUDE N              LONGITUDE W              POSITION #

CHARTED:                      27°49'53.09"N      097°13'26.96"W              NAD83

OBSERVATIONS:                      27°49'53.12"N              097°13'27.27"W              2310

POSITION DETERMINED BY: R/Az

METHOD OF INVESTIGATION: Visual indentification of piers and TP-01613.

FINDINGS: Existing conc. seawall with boat slips, covered and uncovered. See photograph (fx:2310) for detail.

\*\*\*\*\*

DIVE INVESTIGATION :

NO

DIVERS:

SEARCH RADIUS:

WATER VISIBILITY:

MAX DEPTH:

BOTTOM TIME:

LEAST DEPTH:

FINDINGS:

CHARTING RECOMMENDATIONS: Position for fx:2310, lies at north corner of conc. bkld. Retain as charted with modification as per photograph. Use g.p. for fx:2310 to place north corner. This facility likewise provides gas and diesel fuel sales.

*Remove charted piers. Chart area as shown on the smooth and TP-01613*

*copy  
11/9/91*

AWOIS # 6074 PS#26

DATE:2/11/91(042)

CHART #11309, 30th Ed., Dec/89  
LAUNCH # 0519

ITEM DESCRIPTION: Platform

SOURCE:BP68285--1965--COE

\*\*\*\*\*

GEODETIC POSITION	LATITUDE N	LONGITUDE W	POSITION #
CHARTED:	27°50'28.09"N	097°13'55.96"W	NAD83
OBSERVATIONS:	27°50'x5"N 28.67"	097°13'x9"W 55.86"	23365

POSITION DETERMINED BY: R/Az

METHOD OF INVESTIGATION: Sounding lines were used for initial contact. Sounding pole was used to probe contact at fx:2336. Lead/line was used to obtain least depth of contact.

FINDINGS: A small rise was noted during sounding line investigation of the reported feature. This rise was then probed with a sounding pole resulting in a hard contact, and the dislodging of wooden particulate. A lead/line was used for obtaining a least depth of 1.37 meters at fx:2336.

\*\*\*\*\*

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

FINDINGS:

CHARTING RECOMMENDATIONS: Retain charted wooden platform ruins with a least depth of 1.753 meters at position g.p. of fx:2336. This item lies alongside the southern boarder of Jewell Fulton Channel, and poses no danger to navigation of normally transiting vessels.

*Chart subn obstr with a least depth of 1.7 m (5ft) at the above position*

AWOIS # 6075 PS#26

DATE:2/11/91(042)

CHART #11309, 30th Ed., Dec/89

LAUNCH # 0519

ITEM DESCRIPTION: Visable row of stakes

SOURCE: CL1071/69---USPS

BP87375-----1973, RU/HE

\*\*\*\*\*

GEODETIC POSITION	LATITUDE N	LONGITUDE W	POSITION #
CHARTED:	27°50'31.09"N	097°13'50.96"W	NAD83
OBSERVATIONS:	27°50'5 <sub>33</sub> "N	097°13'8 <sub>48</sub> "W	2323.20

POSITION DETERMINED BY: R/Az

METHOD OF INVESTIGATION: Visual indentification as described, and location. Sounding search for subm obstr (fx:2321--2328).

FINDINGS: Existing 2x2/inch wooden survey stakes for dredge operations of Jewell Fulton channel were visable. These stakes are replaced as they deteriorate and pose no danger to navigation. These stakes lie parrell~~x~~ to Jewell Fulton channel on the southern side. No subm obstruction were found in this area.

\*\*\*\*\*

DIVE INVESTIGATION :

NO

DIVERS:

SEARCH RADIUS:

WATER VISIBILITY:

MAX DEPTH:

BOTTOM TIME:

LEAST DEPTH:

FINDINGS:

CHARTING RECOMMENDATIONS: Removal of presently charted features from charts as they pose no danger to navigation. Do not concur.

Retain charted symbols, revise to "stakes" remove "submerged". See EVAL Report, section 7.b.

11309  
Revised  
To visible



AWOIS # 6076 PS#26

DATE:2/11/91(042)

CHART #11309, 30th Ed., Dec/89  
LAUNCH # 0519

ITEM DESCRIPTION: Visible pile

SOURCE: BP120894/82; Nanci

\*\*\*\*\*

GEODETIC POSITION	LATITUDE N	LONGITUDE W	POSITION #
CHARTED:	27°50'49.09"N	097°13'32.96"W	NAD83
OBSERVATIONS:	27°50' <sup>39.93"</sup> 6"N	097°13' <sup>32.65"</sup> 5"W	2315

POSITION DETERMINED BY:R/Az

METHOD OF INVESTIGATION: Visual indentification of reported item.

FINDINGS: Subm pile (<sup>1.0</sup>~~0.7~~m), with associated conc. rubble at  
fx:2315, see photograph of fx:2315 for detail.

\*\*\*\*\*

DIVE INVESTIGATION :

NO

DIVERS:

SEARCH RADIUS:

WATER VISIBILITY:

MAX DEPTH:

BOTTOM TIME:

LEAST DEPTH:

FINDINGS:

CHARTING RECOMMENDATIONS: Chart "foul" at g.p. of fx:2315. See  
photograph for detail of item and associated narrow passage.

*Do not concur. Chart subm. obstr at the above position*

AWOIS # 6078 PS#26

DATE:2/13/91(044)

CHART #11309, 30th Ed., Dec/89  
LAUNCH # 0519

ITEM DESCRIPTION: Subm pile

SOURCE: BP87375--1973, RU/HE

\*\*\*\*\*

GEODETIC POSITION	LATITUDE N	LONGITUDE W	POSITION #
CHARTED:	27°51'06.09"N	097°14'13.46"W	NAD83
OBSERVATIONS:	27°51' <sup>06.05"</sup> 1'N	097°14' <sup>13.54"</sup> 2'W	2420

POSITION DETERMINED BY: R/R

METHOD OF INVESTIGATION: Diver circle to 50 meter of g.p. fo  
fx:2420.

FINDINGS: No snags or visual contacts were encountered during this  
search.

\*\*\*\*\*

DIVE INVESTIGATION :	YES
DIVERS: RWR, TMR	
SEARCH RADIUS: 50m	
WATER VISIBILITY: 4m	
MAX DEPTH: 3.2m	BOTTOM TIME: 19min LEAST DEPTH:<1m

FINDINGS:

CHARTING RECOMMENDATIONS: Removal of presently charted feature from  
charts. *Concur*

AWOIS # 6079 PS#26

DATE:2/13/91(044)

CHART #11309, 30th Ed., Dec/89

LAUNCH # 0519

ITEM DESCRIPTION: Subm pile

SOURCE: BP87375--1973, RU/HE

\*\*\*\*\*

GEODETIC POSITION	LATITUDE N	LONGITUDE W	POSITION #
CHARTED:	27°51'15.09"N	097°14'17"W	NAD83
OBSERVATIONS:	27°51' <sup>15.18"</sup> 2'N	097°14' <sup>17.98"</sup> 3'W	2419

POSITION DETERMINED BY: R/R

METHOD OF INVESTIGATION: Diver circle search to 50 meters of g.p.

FINDINGS: No snags or visual contacts encountered within search area. There are numerous grass mounds scattered along the east side of La Quinta Channel from Donnel point south.

\*\*\*\*\*

DIVE INVESTIGATION :	YES
DIVERS: RWR, TMR	
SEARCH RADIUS: 50 m	
WATER VISIBILITY: 3m	
MAX DEPTH: 2.0m	BOTTOM TIME: 18min
	LEAST DEPTH:

FINDINGS:

CHARTING RECOMMENDATIONS: Removal of presently charted feature from charts. *Concur*

AWOIS # 6080 PS#26

DATE:2/13/91(044)

CHART #11309, 30th Ed., Dec/89  
LAUNCH # 0519

ITEM DESCRIPTION: Subm pile

SOURCE: BP67719--1965 COE

\*\*\*\*\*

GEODETIC POSITION	LATITUDE N	LONGITUDE W	POSITION #
CHARTED:	27°51'22.09"N	097°14'21.96"W	NAD83
OBSERVATIONS:	27°51' <sup>22.07"</sup> 4'N	097°14' <sup>21.74"</sup> 3'W	2418

POSITION DETERMINED BY: R/R

METHOD OF INVESTIGATION: Diver circle search to 50 m of g.p.

FINDINGS: No snags or visual contact were made during search.

\*\*\*\*\*

DIVE INVESTIGATION :	YES	
DIVERS: RWR, TMR		
SEARCH RADIUS: 50m		
WATER VISIBILITY: 3m		
MAX DEPTH: 3m	BOTTOM TIME: 18m	LEAST DEPTH:

FINDINGS:

CHARTING RECOMMENDATIONS: Removal of charted feature from charts. *COMLW*



AWOIS # 6081 PS#26

DATE:2/13/91(044)

CHART #11309, 30th Ed., Dec/89

LAUNCH # 0519

ITEM DESCRIPTION: Subm pile

SOURCE: BP87375--1973, RU/HE

\*\*\*\*\*

GEODETIC POSITION	LATITUDE N	LONGITUDE W	POSITION #
CHARTED:	27°51'24.09"N	097°14'22.46"W	NAD83
OBSERVATIONS:	27°51' <sup>24.20"</sup> 4'N	097°14' <sup>22.49"</sup> 4'W	2417

POSITION DETERMINED BY: R/R

METHOD OF INVESTIGATION: Diver circle search to 50 m of g.p.

FINDINGS: No snags or visual contacts were made during search.

\*\*\*\*\*

DIVE INVESTIGATION :	YES	
DIVERS: RWR, TMR		
SEARCH RADIUS: 50m		
WATER VISIBILITY: 3m		
MAX DEPTH: 2.5m	BOTTOM TIME: 15min	LEAST DEPTH:

FINDINGS:

CHARTING RECOMMENDATIONS: Removal of charted feature from charts. *Concur*

AWOIS # 6082 PS#26

DATE:2/13/91(044)

CHART #11309, 30th Ed., Dec/89  
LAUNCH # 0519

ITEM DESCRIPTION: Subm pile

SOURCE: BP87375--1973, RU/HE

\*\*\*\*\*

GEODETIC POSITION	LATITUDE N	LONGITUDE W	POSITION #
CHARTED:	27°51'58.59"N	097°14'40.96"W	NAD83
OBSERVATIONS:	27°52' <sup>51' 58.50"</sup> <sub>0</sub> 'N	097°14' <sup>41.00"</sup> <sub>7</sub> 'W	2415

POSITION DETERMINED BY: R/R

METHOD OF INVESTIGATION: Diver circle search to 50 m of g.p.

FINDINGS: No snags or visual contacts were made during this search.

\*\*\*\*\*

DIVE INVESTIGATION :	YES
DIVERS: RWR , TMR	
SEARCH RADIUS: 50m	
WATER VISIBILITY: 3m	
MAX DEPTH: 10m	BOTTOM TIME: 18min
	LEAST DEPTH:

FINDINGS:

CHARTING RECOMMENDATIONS: Removal of charted feature from charts. *COMAN*

AWOIS # 6083 PS#26

DATE:2/13/91(044)

CHART #11309, 30th Ed., Dec/89  
LAUNCH # 0519

ITEM DESCRIPTION: Visable pile

SOURCE: BP65083--1963, COE

\*\*\*\*\*

GEODETIC POSITION	LATITUDE N	LONGITUDE W	POSITION #
CHARTED:	27°52'08.09"N	097°14'45.96"W	NAD83
OBSERVATIONS:	27°52' <sup>08.02"</sup> <del>X</del> ±'N	097°14' <sup>45.87"</sup> <del>X</del> 8'W	2421

POSITION DETERMINED BY: R/R

METHOD OF INVESTIGATION: Sounding lines along pier face (2337-2340), and visual search.

FINDINGS: Water depth in reported area is <sup>12.8</sup>11 meters. This item would be located directly in front of a major bulkliquid loading facility operated by "Oxy Chemicals", it does not exist at, nor anywhere near, the reported g.p. for fx:2421.

\*\*\*\*\*

DIVE INVESTIGATION :

NO

DIVERS:

SEARCH RADIUS:

WATER VISIBILITY:

MAX DEPTH:

BOTTOM TIME:

LEAST DEPTH:

FINDINGS:

CHARTING RECOMMENDATIONS: Removal of presently charted feature from charts. See photograph for AWOIS# 6084, fx:18, for detail and position of fx:2421. *This area has been dredged for vessels to load and unload at the Oxy Chemical pier. Remove charted pile.*

AWOIS # 6084 PS#26

DATE: 2/11/91(042)

CHART #11309, 30th Ed., Dec/89  
LAUNCH # 0519

ITEM DESCRIPTION: Pier and mooring <sup>o</sup>dolphins

SOURCE: CL2083/77----COE

\*\*\*\*\*

GEODETIC POSITION	LATITUDE N	LONGITUDE W	POSITION #
CHARTED:	27°52'05.00"N	097°14'41.00"W	NAD83
OBSERVATIONS:	27°52'12.47"N	097°14'45.07"W	19
	27°52'03.65"N	097°14'41.08"W	18

POSITION DETERMINED BY: R/R

METHOD OF INVESTIGATION: Visual indentification, and sounding lines along pier face.

FINDINGS: Fix 19 marks northern <sup>dolphin</sup> mooring bitt. Fix 18 marks southern <sup>dolphin</sup> mooring bitt. Fixes 2337--2340 are sounding lines run off pier face from perpendicular points, see fx:18 to 19. This pier is a bulkliquid loading facility operated by "Oxy Chemicals".

\*\*\*\*\*

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

CHARTING RECOMMENDATIONS: Retain presently charted pier, and add <sup>dolphin</sup> mooring bitts fixed at position 18 and 19. See photographs for fx:18 and 19 for detail. *chart pier and dolphins as shown on smooth sheet.*

AWOIS # 6085 PS#26

DATE:2/11/91(042)

CHART #11309, 30th Ed., Dec/89

LAUNCH # 0519

ITEM DESCRIPTION:Determine controlling depth.

SOURCE: CL515/79---- COE 40 foot rpt.

\*\*\*\*\*

GEODETIC POSITION	LATITUDE N	LONGITUDE W	POSITION #
CHARTED:	27°52'06.09"N	097°14'42.96"W	NAD83
OBSERVATIONS:	27°52' <sup>06.08"</sup> ±'N	097°14' <sup>43.20"</sup> ±'W	2337.20

POSITION DETERMINED BY: R/Az

METHOD OF INVESTIGATION: Sounding lines (fx:2337--2340).

FINDINGS: A pier face controlling depth of <sup>12.2</sup>~~11.8~~m at fx:2337.20  
(40ft)

\*\*\*\*\*

DIVE INVESTIGATION :

NO

DIVERS:

SEARCH RADIUS:

WATER VISIBILITY:

MAX DEPTH:

BOTTOM TIME:

LEAST DEPTH:

FINDINGS:

CHARTING RECOMMENDATIONS: Chart controlling depth at "Oxy Chemical"  
bulk loading pier of <sup>12.2</sup>~~11.8~~m at g.p. for position of 2337.20 .  
(40ft)

Revise note to "40ft 1991" (12.2m 1991) See Enc Rept, section 7.C.

AWOIS # 6086 PS#26

DATE:2/13/91(044)

CHART #11309, 30th Ed., Dec/89  
LAUNCH # 0519

ITEM DESCRIPTION: Platform ruins

SOURCE: BP65083/1963, COE  
CL1416/80----USPS

\*\*\*\*\*

GEODETIC POSITION	LATITUDE N	LONGITUDE W	POSITION #
CHARTED:	27°52'15.09"N	097°14'48.96"W	NAD83
OBSERVATIONS:	27°52' <sup>15.19"</sup> <sub>X</sub> 2'W	097°14' <sup>48.95"</sup> <sub>X</sub> 8'W	2413

POSITION DETERMINED BY: R/R

METHOD OF INVESTIGATION: Diver circle search to 50 m of g.p.

FINDINGS: No platform ruins were encountered in the search area, only mud mounds caused by tugs maneuvering ships and barges to adjacent bulkliquid transfer facilities.

\*\*\*\*\*

DIVE INVESTIGATION :	NO
DIVERS:RWR, TMR	
SEARCH RADIUS: 50m	
WATER VISIBILITY: 2m	
MAX DEPTH: 14m	BOTTOM TIME: 22min
	LEAST DEPTH:

FINDINGS:

CHARTING RECOMMENDATIONS: Removal of presently charted feature from charts. *Concur*



AWOIS # 6087 PS#25

DATE: 2/14/91(045)

CHART #11309, 30th Ed., Dec/89  
LAUNCH # 0519

ITEM DESCRIPTION: Platform ruins *PA*

SOURCE: CL1666/84----USPS

\*\*\*\*\*

GEODETIC POSITION	LATITUDE N	LONGITUDE W	POSITION #
CHARTED:	27°52'24.09"N	097°15'15.96"W	NAD83
OBSERVATIONS:	27°52' <sup>24.10"</sup> <del>4</del> 'W	097°15' <sup>16.01"</sup> <del>3</del> 'W	2443

POSITION DETERMINED BY: R/R

METHOD OF INVESTIGATION: Diver circle search to 100 m of g.p.

FINDINGS: No snags or visual contacts were encountered within search area.

\*\*\*\*\*

DIVE INVESTIGATION :	YES
DIVERS: RWR, TMR	
SEARCH RADIUS: 100m	
WATER VISIBILITY: 4m	
MAX DEPTH: 5m	BOTTOM TIME: 38min
	LEAST DEPTH:

FINDINGS:

CHARTING RECOMMENDATIONS: Removal of presently charted feature from charts. *CMW*

AWOIS # 6088-89 PS#25

DATE:2/14/91(045)

CHART #11309, 30th Ed., Dec/89  
LAUNCH # 0519

ITEM DESCRIPTION: Subm piles

SOURCE: BP87375----1973, RU/HE

\*\*\*\*\*

GEODETIC POSITION	LATITUDE N	LONGITUDE W	POSITION #
CHARTED:	27°52'32.54"N	097°15'07.50"W	NAD83
OBSERVATIONS:	27°52' <sup>32.11"</sup> 5'N	097°15' <sup>06.56"</sup> 11'W	2441

POSITION DETERMINED BY: R/R

METHOD OF INVESTIGATION: Diver circle search to 150m of g.p.

FINDINGS: Only one snag and visual sighting was encountered during this search. This was a subm nun bouy(fx:2442), located in the NE quadrant of the search radius. This item was removed by the U.S. Coast Guard (See photograph for fx:2442).

\*\*\*\*\*

DIVE INVESTIGATION :	YES
DIVERS: RWR, TMR	
SEARCH RADIUS: 150m	
WATER VISIBILITY: 4m	
MAX DEPTH: 13.1m	BOTTOM TIME: 21min
	LEAST DEPTH:

FINDINGS:

CHARTING RECOMMENDATIONS: Removal of presently charted features from charts. *Concur*

AWOIS # 6090-95 PS#25

DATE:11/14/90(318)  
02/14/91(045)

CHART #11309, 30th Ed., Dec/89  
LAUNCH # 0519

ITEM DESCRIPTION: visible piles

SOURCE: CL271/73----COE

\*\*\*\*\*

GEODETIC POSITION	LATITUDE N	LONGITUDE W	POSITION #
CHARTED:	27°52'36.00"N	097°15'25.00"W	NAD83
OBSERVATIONS:	27°52'36.08"N 27 52' 36.08" 27 52' 38.36" 27 52' 38.73"	097°15'28.97"W 97 15' 28.97" 97 15' 30.30" 97 15' 31.36"	17 2444 2445 2446

POSITION DETERMINED BY: R/Az and R/R

METHOD OF INVESTIGATION: Visual identification, and diver search to 200m radius north of g.p. for fx:2444 .

FINDINGS: Fix 17 locates offshore most wooden pile/(2m) of 4, leading to shore/(photograph for fx:17). Fix 2445 locates wooden pile ruin awash in 0.3m of water. Fix 2446 locates wire rope awash in 0.3m of water. See photographs for fx's: 2445 and 2446 for detail.

\*\*\*\*\*

DIVE INVESTIGATION : YES  
DIVERS: RWR, TMR  
SEARCH RADIUS: 200m  
WATER VISIBILITY: 4m  
MAX DEPTH: 13.8m BOTTOM TIME: 21min LEAST DEPTH:

FINDINGS:

CHARTING RECOMMENDATIONS: Rechart offshore most pile (2m) at fx:17. Chart "foul" along axis of 030° between fx:17 and shore. <sup>concurs</sup> Chart "foul" between fx:2445 and fx:2446. See photographs for detail.  
*Chart subm obstr. and subm pile at the above positions. Also chart row of piles and foul limit line as shown on S.S.*

AWOIS # 6096 PS#25

DATE: (341)

CHART #11309, 30th Ed., Dec/89  
LAUNCH # 0519

ITEM DESCRIPTION: Determine controlling depths

SOURCE: CL812/81----COE

\*\*\*\*\*

GEODETIC POSITION	LATITUDE N	LONGITUDE W	POSITION #
CHARTED:	27°52'41.08"N	097°15'45.96"W	NAD83
OBSERVATIONS:	27°52' <sup>44.12"</sup> 7"N	097°15' <sup>47.28"</sup> 8"W	907.00
	27°52'46.17"	97°15'50.31"	908.00
	27°52' <sup>41.94"</sup> 7"N	097°15' <sup>40.02"</sup> 7"W	898.30

POSITION DETERMINED BY: R/R

METHOD OF INVESTIGATION: Sounding lines

FINDINGS: Depths of 6.6m fx:907.00 (excessed) (21ft)  
13.6m fx:898.30 (44ft)  
1.78m fx:908.00 (5ft)

\*\*\*\*\*

DIVE INVESTIGATION :

NO

DIVERS:

SEARCH RADIUS:

WATER VISIBILITY:

MAX DEPTH:

BOTTOM TIME:

LEAST DEPTH:

FINDINGS:

CHARTING RECOMMENDATIONS: Chart ~~bullseye~~ soundings at above locations and depths. See FVAC Report, section 7.C.

AWOIS # 6097 PS#25

DATE:2/14/91(045)

CHART #11309, 30th Ed., Dec/89

LAUNCH # 0519

ITEM DESCRIPTION: Visible pile

SOURCE: CL812/81----COE

\*\*\*\*\*

GEODETIC POSITION	LATITUDE N	LONGITUDE W	POSITION #
CHARTED:	27°52'42.08"N	097°15'48.96"W	NAD83
OBSERVATIONS:	27°52' <sup>45.08"</sup> 8'N	097°15' <sup>50.22"</sup> 8'W	2447

POSITION DETERMINED BY: R/R

METHOD OF INVESTIGATION: Visual identification as described.

FINDINGS: Fix 2447 locates wooden pile with signboard (2m), located in the approximate search area. This is most likely to be the reported item (given scaled position from 1:40,000 chart).

\*\*\*\*\*

DIVE INVESTIGATION :

NO

DIVERS:

SEARCH RADIUS:

WATER VISIBILITY:

MAX DEPTH:

BOTTOM TIME:

LEAST DEPTH:

FINDINGS:

CHARTING RECOMMENDATIONS: Chart pile (2m) with sign located at g.p. for fx:2447. See photograph for fx:2447 for detail. *cmur*

AWOIS # 6098 PS#25

DATE: 11/27/90 (332)

12/10/90 (344)

CHART #11309, 30th Ed., Dec/89

LAUNCH # 0519

ITEM DESCRIPTION: Shoaling reported

SOURCE: CL970/72----USPS

\*\*\*\*\*

GEODETIC POSITION	LATITUDE N	LONGITUDE W	POSITION #
CHARTED:	27°52'36.08"N	097°16'00.96"	NAD83
OBSERVATIONS:	27°52' <sup>42"</sup> 7'N	097°16' <sup>12"</sup> 42'W	313.00
	27°52' <sup>40.98"</sup> 7'N	097°15' <sup>56.59"</sup> 9'W	<del>942.50</del>
			1264 2'm (7ft)

POSITION DETERMINED BY: R/R

METHOD OF INVESTIGATION: Sounding lines

FINDINGS: Shoaling was found to be evident at fx:313.00, and due north to 100m, due west to 200m, due south to 600m, and due east to 400m of the g.p. for fx:313.00. There is a passage running from La Quinta Turning basin transiting to the west, with a depth of 2.4m at fx:~~942.50~~.  
1264

\*\*\*\*\*

DIVE INVESTIGATION :

NO

DIVERS:

SEARCH RADIUS:

WATER VISIBILITY:

MAX DEPTH:

BOTTOM TIME:

LEAST DEPTH:

FINDINGS:

CHARTING RECOMMENDATIONS: Retain charting of "shoal" at a g.p. for fx:313.00. Chart depth for east/west passage of ~~2.4m~~ at g.p. for fx:~~942.50~~.  
2.1m

1264  
Do not cancel Remove Shoaling rep 1971, chart depths in area from this survey.



AWOIS #6099

DATE: 12/10/90 (344)

CHART #11309, 30th Ed., Dec/89

LAUNCH # 0519

ITEM DESCRIPTION: Determine controlling depth, 7 foot rpt.

SOURCE: CL44/70 ---COE

\*\*\*\*\*

GEODETIC POSITION	LATITUDE N	LONGITUDE W	POSITION #
CHARTED:	27°52'16.08"N	097°16'05.96"W	NAD83
OBSERVATIONS:	27°52' <sup>0.7</sup> 3'N 14.23"	097°16' <sup>301/1</sup> 2'W, 09.26	<del>1005.50</del> 301/1

POSITION DETERMINED BY: R/R

METHOD OF INVESTIGATION: Sounding lines

FINDINGS: A depth of <sup>0.7</sup>~~1.0~~m was located at fx:<sup>301/1</sup>~~1005.50~~. It was noted that this area has a charted channel, this channel no longer exist, and was found to be shoal within the given area. TP-01613 generally depicts the shoreline accurately.

\*\*\*\*\*

DIVE INVESTIGATION :

NO

DIVERS:

SEARCH RADIUS:

WATER VISIBILITY:

MAX DEPTH:

BOTTOM TIME:

LEAST DEPTH:

FINDINGS:

CHARTING RECOMMENDATIONS: Chart "shoal" at g.p. for fx:1005.50.

*Do not concur. See EVAL Report section 7.c.*

AWOIS # 6100

DATE:2/12/91 (043)

CHART #11309, 30th Ed., Dec/89

LAUNCH # 0519

ITEM DESCRIPTION: Subm pile

SOURCE: CL970/72---USPS

\*\*\*\*\*

GEODETIC POSITION	LATITUDE N	LONGITUDE W	POSITION #
CHARTED:	27°52'45.00"N	097°16'23.00"W	NAD83
OBSERVATIONS:	27°52' <sup>46.20"</sup> <del>8</del> 'N	097°16' <sup>23.97"</sup> <del>4</del> 'W	2370

POSITION DETERMINED BY:R/R

METHOD OF INVESTIGATION: Sounding lines (fx:2341--2369) and diver circle search to 200m of g.p. for fx:2370.

FINDINGS: No sounding contacts of significance, no snags nor visual sightings were encountered within the search area.

\*\*\*\*\*

DIVE INVESTIGATION :	YES
DIVERS: RWR, TMR	
SEARCH RADIUS: 200m	
WATER VISIBILITY: 3-5m	
MAX DEPTH: 3m	BOTTOM TIME: 58min
	LEAST DEPTH:

FINDINGS:

CHARTING RECOMMENDATIONS: Removal from charts of presently charted feature.

*concur*

AWOIS #6101 PS#25

DATE: 2/12/91 (043)

CHART #11309, 30th Ed., Dec/89

LAUNCH # 0519

ITEM DESCRIPTION: Extent of piers.

SOURCE: Unknown--pier

\*\*\*\*\*

GEODETIC POSITION	LATITUDE N	LONGITUDE W	POSITION #
CHARTED:	27°52'41.08"N	097°15'35.46"W	NAD83
OBSERVATIONS:	27°52' <sup>41.79"</sup> 7"N	097°15' <sup>36.71"</sup> 6"W	2409

POSITION DETERMINED BY: R/R

METHOD OF INVESTIGATION: Pier face sounding line (2408-2410).

FINDINGS: Dry bulk cargo loading facility at "Reynolds Metals". Piers are depicted and verified to TP-01613. Pier face lines for the western pier were not possible to obtain due to daily ship moorings and transfers throughout the entire survey.

\*\*\*\*\*

DIVE INVESTIGATION :

NO

DIVERS:

SEARCH RADIUS:

WATER VISIBILITY:

MAX DEPTH:

BOTTOM TIME:

LEAST DEPTH:

FINDINGS:

CHARTING RECOMMENDATIONS: Retain piers presently charted. TP-01613 shows piers as existing. *Concur. See smooth sheet for depiction of this feature.*

AWOIS # 6102 PS#25

DATE: 2/14/91 (045)

CHART #11309, 30th Ed., Dec/89

LAUNCH # 0519

ITEM DESCRIPTION: Pier ruins

SOURCE: BP120894----1982, Nanci

\*\*\*\*\*

GEODETIC POSITION	LATITUDE N	LONGITUDE W	POSITION #
CHARTED:	27°52'46.08"N	097°15'51.96"W	NAD83
OBSERVATIONS:	27°52' <sup>46.77"</sup> 8"N	097°15' <sup>52.82"</sup> 8"W	2448

POSITION DETERMINED BY: R/R

METHOD OF INVESTIGATION: Visual identification of obstruction.

FINDINGS: Subm obstr (<sup>7</sup>0.5m) located at fx:2448, was found to be the only item within the general area. There are pier ruins located due west of this position. However, they lie well outside the reported position, and presently appear on TP-01613.

\*\*\*\*\*

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

CHARTING RECOMMENDATIONS: Chart subm obstr (<sup>7</sup>0.5m) at g.p. of fx:2448. See photograph for detail. Do not concur. Retain charted ruins, inadequate investigation.

AWOIS # 6103 PS#26

DATE:2/11/91 (042)

CHART #11309, 30th Ed., Dec/89

LAUNCH # 0519

ITEM DESCRIPTION: piers

SOURCE: Unknown -- 2 piers

\*\*\*\*\*

GEODETIC POSITION	LATITUDE N	LONGITUDE W	POSITION #
CHARTED:	27°50'09.09"N	097°14'25.96"W	NAD83
OBSERVATIONS:	27°50' <sup>09.20"</sup> <del>X</del> 2'N	097°14' <sup>25.64"</sup> <del>X</del> 4'W	23376

POSITION DETERMINED BY: R/Az

METHOD OF INVESTIGATION: Visual

FINDINGS: Existing wooden seawall/piers located at reported position. These piers (photograph fx:2337) are located at an abandoned production facility. A sign identifies this as the "George R. Brown" partnership facility, in conjunction with Corpus Christi.

\*\*\*\*\*

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

FINDINGS:

CHARTING RECOMMENDATIONS: Retain as presently charted.

*See Encl Rpt, section 7.b.*



**U.S. DEPARTMENT OF COMMERCE**  
**National Oceanic and Atmospheric Administration**  
NATIONAL OCEAN SERVICE

Atlantic Hydrographic Party 2  
439 W. York St.  
Norfolk, VA 23510-1114

December 19, 1990

To: Commander, 8th U.S. Coast Guard District  
Hale Boggs Federal Building  
500 Camp Street  
New Orleans, LA 70130-3396

From: V. Dale Ross, LCDR. NOAA  
Chief, Atlantic Hydrographic Party 2

Subject: Danger to Navigation Notice for inclusion in the Local  
Notice to Mariners.

While conducting a basic hydrographic survey of Corpus Christi Bay for nautical charting, survey H-10363, an uncharted 10 inch diameter steel pipe, bares 0.7 meters at MLLW was located at Latitude 27° 51' 37.147"N, Longitude 097° 15' 33.501"W, NAD 1983; Chart No. 11309 (30th Ed., Dec 2/89); 1600 meters, bearing 180° true from La Quinta Channel Light "19" (Light List No. 27655, Vol. 4, 1990).

This information was reported by telephone to Chief Petty Officer William Hernandez, OIC, Aids to Navigation Team, Corpus Christi, Texas on December 19, 1990.

This pipe was located by four lines of position from Motorola Falcon Mini-Ranger electronic positioning system units set up on third order, class 1, ground control stations. The height bearing on the pipe was corrected for vessel draft and predicted tides. The position of the pipe is North American Datum of 1983.

Attached is a copy of the survey in the area of this danger to navigation as well as a copy of the affected section of chart 11309. This is advance information, subject to office review.

Questions regarding this letter can be directed to me at telephone (804)441-6746.

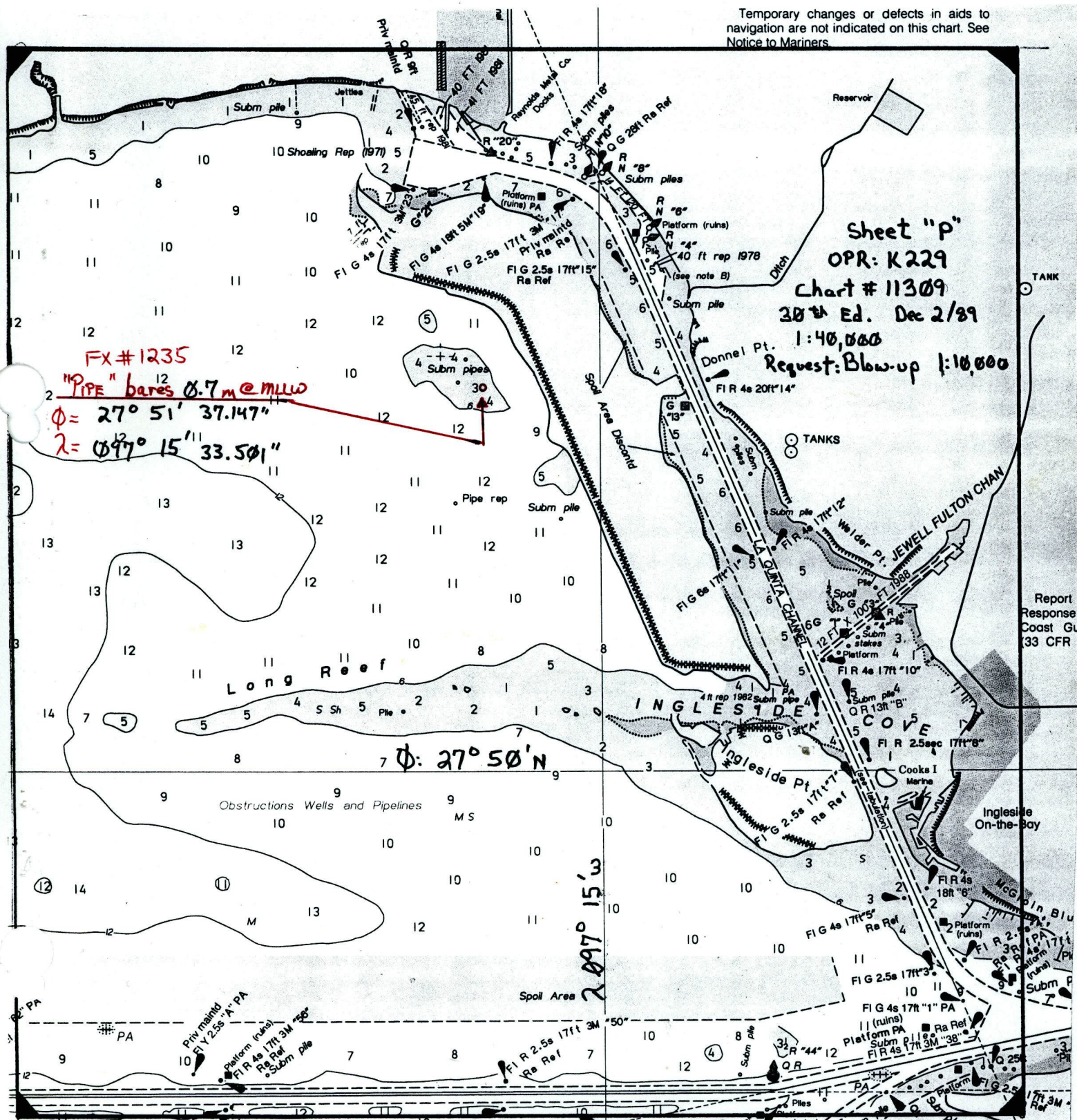
cc: N/CG241  
N/CG221  
N/CG2441





bare @ mllw =  $\phi.7_m$

Temporary changes or defects in aids to navigation are not indicated on this chart. See Notice to Mariners.







RESPONSIBLE PERSONNEL		ORIGINATOR	
TYPE OF ACTION	NAME	PHOTO FIELD PARTY	
OBJECTS INSPECTED FROM SEAWARD	<i>LR</i>	<input type="checkbox"/> PHOTO FIELD PARTY	
		<input checked="" type="checkbox"/> HYDROGRAPHIC PARTY	
		<input type="checkbox"/> GEODETIC PARTY	
		<input type="checkbox"/> OTHER (Specify)	
POSITIONS DETERMINED AND/OR VERIFIED	<i>By mut R/AZ Detached Position</i>	FIELD ACTIVITY REPRESENTATIVE	
FORMS ORIGINATED BY QUALITY CONTROL AND REVIEW GROUP AND FINAL REVIEW ACTIVITIES		OFFICE ACTIVITY REPRESENTATIVE	
		<input type="checkbox"/> REVIEWER	
		<input type="checkbox"/> QUALITY CONTROL AND REVIEW GROUP REPRESENTATIVE	
INSTRUCTIONS FOR ENTRIES UNDER 'METHOD AND DATE OF LOCATION' (Consult Photogrammetric Instructions No. 64)			
OFFICE		FIELD (Cont'd)	
<b>I. OFFICE IDENTIFIED AND LOCATED OBJECTS</b> 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		<b>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.</b> EXAMPLE: P-8-V 8-12-75 74L(C)2982	
FIELD		<b>II. TRIANGULATION STATION RECOVERED</b> 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	
<b>I. NEW POSITION DETERMINED OR VERIFIED</b> Enter the applicable data by symbols as follows: F - Field L - Located V - Verified P - Photogrammetric Vis - Visually 1 - Triangulation 2 - Traverse 3 - Intersection 4 - Resection 5 - Field identified 6 - Theodolite 7 - Planetable 8 - Sextant		<b>III. POSITION VERIFIED VISUALLY ON PHOTOGRAPH</b> Enter 'V-Vis.' and date. EXAMPLE: V-Vis. 8-12-75	
<b>A. Field positions* require entry of method of location and date of field work.</b> EXAMPLE: F-2-6-L 8-12-75		<b>**PHOTOGRAMMETRIC FIELD POSITIONS are dependent entirely, or in part, upon control established by photogrammetric methods.</b>	
<b>*FIELD POSITIONS are determined by field observations based entirely upon ground survey methods.</b>			

NOAA FORM 76-40  
(8-74)

Replaces C&GS Form 567.

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

REPORTING UNIT  
(Field Party, Ship or Office)

A.H.P. / 2

STATE

Texas

LOCALITY

Corpus Cristi

DATE

2-15-91

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

ORIGINATING ACTIVITY

- ☒ HYDROGRAPHIC PARTY  
☐ GEODETIC PARTY  
☐ PHOTO FIELD PARTY  
☐ COMPILATION ACTIVITY  
☐ FINAL REVIEWER  
☐ QUALITY CONTROL & REVIEW GRP.  
☐ COAST PILOT BRANCH  
(See reverse for responsible personnel)

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

OPR PROJECT NO.

K 229

JOB NUMBER

AHP-10-18-90

DATUM

SURVEY NUMBER

H-10363

POSITION

NAD 1983

DESCRIPTION

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

Removed by U.S.C.G., ATON, Corpus Christi  
DAYBEACON "21" MAR 1990

CHARTING NAME

27665

LATITUDE

0 1

D.M. Meters

27 4

LONGITUDE

0 1

D.P. Meters

97 15 47

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

OFFICE

FIELD

CHARTS  
AFFECTED

11309

RESPONSIBLE PERSONNEL	
TYPE OF ACTION	NAME
OBJECTS INSPECTED FROM SEAWARD	<div>ORIGINATOR</div> <input type="checkbox"/> PHOTO FIELD PARTY <input type="checkbox"/> HYDROGRAPHIC PARTY <input type="checkbox"/> GEODETIC PARTY <input type="checkbox"/> OTHER (Specify)
POSITIONS DETERMINED AND/OR VERIFIED	FIELD ACTIVITY REPRESENTATIVE
FORMS ORIGINATED BY QUALITY CONTROL AND REVIEW GROUP AND FINAL REVIEW ACTIVITIES	<div>OFFICE ACTIVITY REPRESENTATIVE</div> <input type="checkbox"/> REVIEWER <input type="checkbox"/> QUALITY CONTROL AND REVIEW GROUP REPRESENTATIVE

**INSTRUCTIONS FOR ENTRIES UNDER 'METHOD AND DATE OF LOCATION'**  
(Consult Photogrammetric Instructions No. 64.)

OFFICE	FIELD (Cont'd)
<p><b>I. OFFICE IDENTIFIED AND LOCATED OBJECTS</b>  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</p>	<p><b>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.</b>  EXAMPLE: P-8-V  8-12-75  74L(C)2982</p>
<p><b>FIELD</b>  <b>I. NEW POSITION DETERMINED OR VERIFIED</b>  Enter the applicable data by symbols as follows:  F - Field  L - Located  V - Verified  1 - Triangulation  2 - Traverse  3 - Intersection  4 - Resection  5 - Field Identified  6 - Theodolite  7 - Planetable  8 - Sextant</p> <p>A. Field positions* require entry of method of location and date of field work.  EXAMPLE: F-2-6-L  8-12-75</p> <p><b>*FIELD POSITIONS are determined by field observations based entirely upon ground survey methods.</b></p>	<p><b>II. TRIANGULATION STATION RECOVERED</b>  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</p> <p><b>III. POSITION VERIFIED VISUALLY ON PHOTOGRAPH</b>  Enter 'V-Vis.' and date.  EXAMPLE: V-Vis.  8-12-75</p> <p><b>**PHOTOGRAMMETRIC FIELD POSITIONS are dependent entirely, or in part, upon control established by photogrammetric methods.</b></p>

Station #	Station Name	Station #	Station Name
1	ALLYN	53	DONNEL 1933
2	TALLEY	54	LA QUINTA CHAN
3	LIGHT 13		INNER RNG F LT
4	TRACK 1934	55	LA QUINTA CHAN
5	TRAYLOR		INNER RNG R LT
6	SKIFF 2	56	QUINTANA
7	SAM	57	WILCUT
8	CONN	58	SHAM
9	ARANSAS PASS WATER TANK	59	INDIAN, 1989
10	DRAW	60	PORTLAND 2 1973
11	LIGHT 83	61	TURTLE
12	LYDIA	62	COVE
13	BULB	63	C C BAY SPOIL
14	ARANSAS PASS LIGHTHOUSE		BANK LT A 1990
15	BASE	63	WAREHOUSE
16	SALT 1934	64	SPOIL ISLAND BANK LT "A"
17	NEED	65	NIMROD, 1990
18	TANG		
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, 1989		
49	LA QUINTA CHAN OUTER RNG R LT, 1989		
50	LA QUINTA CHAN OUTER RNG F LT, 1989		
51	CORPUS CHR CHAN BE RNG R LT, 1989		
52	PORT SAT, 1989		



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	19	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	21	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	10	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	10	250	0.0	0.0	02/12/90
064	F	027:44:01.556	097:16:32.909	0	250	0.0	0.0	02/04/91
065	F	027:51:32.263	097:14:45.984	0	250	0.0	0.0	02/05/91

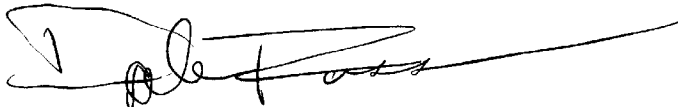
CONTROL STATIONS

APPROVAL SHEET

BASIC HYDROGRAPHIC SURVEY  
OPR-K229-AHP2  
AHP-10-13-90  
H-10363  
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 and all supporting records were also checked.

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

A handwritten signature in black ink, appearing to read 'V. Dale Ross', with a long horizontal flourish extending to the right.

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

TIDE NOTE FOR HYDROGRAPHIC SURVEY

DATE: Jun 11, 1991

MARINE CENTER: Pacific

OPR: K229

HYDROGRAPHIC SHEET: H-10363

LOCALITY: Long Reef, Corpus Christi Bay, TX

TIME PERIOD: November 14, 1990 - February 15, 1991

TIDE STATIONS USED: 877-5283 Port Ingleside, TX

27°49.2'N 97°12.0'W

PLANE OF REFERENCE (MEAN LOWER LOW WATER): 2.40 feet

HEIGHT OF HIGH WATER ABOVE PLANE OF REFERENCE: 0.6 feet

REMARKS: RECOMMENDED ZONING

Apply a + 15 min time correction.

Note: Times are in Local Standard Time.

  
CHIEF, TIDAL DATUM QUALITY  
ASSURANCE SECTION

H-10363

## GEOGRAPHIC NAMES

Name on Survey	A 11308 15th Ed. July 9/88 ON 5th Ed. Dec. 2/89 11309 30th Ed. Dec. 2/89										
	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			
COOKS ISLAND	11308 11309								1		
CORPUS CHRISTI BAY	11308 11309								2		
CORPUS CHRISTI CHANNEL	11308 11309								3		
DONNEL POINT	11309								4		
INGLESIDE ON-THE-BAY	11308 11309								5		
INGLESIDE COVE	11308 11309								6		
INGLESIDE POINT	11308 11309								7		
JEWELL FULTON CHANNEL	11308 11309								8		
LA QUINTA CHANNEL	11308 11309								9		
LONG REEF	11309								10		
WELDER POINT	11308 11309								11		
TEXAS (title)	11308 11309								12		
									13		
									14		
									15		
									16		
									17		
									18		
									19		
									20		
									21		
									22		
									23		
									24		
									25		

Approved:

Charles C. Harrington  
Chief Geographer - N10625

APR 10 1991

## HYDROGRAPHIC SURVEY STATISTICS

H-10363

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

RECORD DESCRIPTION		AMOUNT		RECORD DESCRIPTION		AMOUNT	
SMOOTH SHEET		1		SMOOTH OVERLAYS: POS., ARC, EXCESS		6	
DESCRIPTIVE REPORT		1		FIELD SHEETS AND OTHER OVERLAYS		6	
DESCRIPTION	DEPTH/POS RECORDS	HORIZ. CONT. RECORDS	SONAR-GRAMS	PRINTOUTS	ABSTRACTS/SOURCE DOCUMENTS		
ACCORDION FILES	1						
ENVELOPES							
VOLUMES	1						
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						2451	
POSITIONS REVISED							
SOUNDINGS REVISED							
CONTROL STATIONS REVISED							
				TIME-HOURS			
				VERIFICATION	EVALUATION	TOTALS	
PRE-PROCESSING EXAMINATION							
VERIFICATION OF CONTROL							
VERIFICATION OF POSITIONS				25		25	
VERIFICATION OF SOUNDINGS				45		45	
VERIFICATION OF JUNCTIONS							
APPLICATION OF PHOTOBATHYMETRY							
SHORELINE APPLICATION/VERIFICATION							
COMPILATION OF SMOOTH SHEET				14		14	
COMPARISON WITH PRIOR SURVEYS AND CHARTS					9	9	
EVALUATION OF SIDE SCAN SONAR RECORDS							
EVALUATION OF WIRE DRAGS AND SWEEPS							
EVALUATION REPORT					25	25	
GEOGRAPHIC NAMES							
OTHER* Digitizing							
*USE OTHER SIDE OF FORM FOR REMARKS				TOTALS	84	34	118
Pre-processing Examination by M. Brown				Beginning Date 3/21/91	Ending Date 4/9/91		
Verification of Field Data by R. Davies				Time (Hours) 84	Ending Date 12/3/91		
Verification Check by J. Green				Time (Hours) 23	Ending Date 12/4/91		
Evaluation and Analysis by R. Davies				Time (Hours) 34	Ending Date 12/4/91		
Inspection by D. Hill				Time (Hours) 4	Ending Date 2/20/92		

## **EVALUATION REPORT H-10363**

### **1. INTRODUCTION**

Survey H-10363 is a basic hydrographic survey accomplished by the Atlantic Hydrographic Party 2 under the following Project Instructions.

OPR-K229-AHP, dated September 14, 1990

This survey was conducted in Texas and covers an area in north Corpus Christi Bay and includes Ingleside Cove and La Quinta Channel. The surveyed area extends from latitude 27/52/48N to latitude 27/49/00N, and from longitude 97/13/16W to longitude 97/17/48W. The surveyed area includes the dredged La Quinta Channel, the northern coastline of Corpus Christi Bay northwest of Port Ingleside and east of Long Reef. A 1:5,000 scale inset of Ingleside On-The-Bay is included on the smooth sheet. The shoreline consists of sand, dredged spoil islands and small harbors and marinas in the vicinity of Ingleside On-The-Bay and Jewell Fulton Channel. The bottom consists of sand and mud. Depths range from 0.5 to 15.2 meters.

Predicted tides for Galveston Channel, Texas, were used for the reduction of soundings during field processing. Approved hourly heights zoned from Port Ingleside, Texas, gage 877-5283, 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 as required by the specifications contained in Hydrographic Survey Guideline No. 52, Standard Digital Data Exchange Format, April 15, 1986. Certain feature 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 H and I 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 1989 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 with NGS program NADCON. Geographic positions based on NAD 27 may be plotted on the smooth sheet using the NAD 83 projection by applying the following corrections.

Latitude: 1.093 seconds (33.657 meters)  
Longitude: 0.967 seconds (26.446 meters)

The year of establishment of control stations shown on the smooth sheet originates with the NGS listing and the above referenced geodetic control reports.

The quality of several positions exceeds specifications 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.

	<u>Photo Date</u>	<u>Class</u>
TP-01613	Feb. 1989	III

The following shoreline changes are depicted in red on the smooth sheet and are supported with positional information. They are adequate to supersede the common photogrammetrically delineated shoreline. Refer to the smooth sheet for an accurate depiction.

<u>Feature</u>	<u>Latitude(N)</u>	<u>Longitude(W)</u>
HWL from	27/50/00	97/13/21
to	27/50/07	97/13/20
HWL from	27/50/15	97/13/14
to	27/50/18	97/13/16
HWL from	27/50/31	97/13/27
to	27/50/41	97/13/32
HWL from	27/50/47	97/13/36
to	27/50/49	97/13/39
HWL from	27/50/24	97/14/17
to	27/50/30	97/14/17
HWL from	27/52/27	97/15/36
to	27/52/25	97/15/51
HWL	27/52/26	97/16/06
HWL	27/52/27	97/16/07
HWL	27/52/34	97/16/07
HWL	27/49/35	97/13/20
HWL	27/49/56	97/13/22

### 3. HYDROGRAPHY

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

- delineate the bottom configuration, determine least depths, and draw the standard depth curves;
- reveal there are no significant discrepancies or anomalies requiring further investigation; and

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

The hydrographer was apparently unable to define the zero depth curve due to shallowness which prevented an approach by boat.

A holiday exists at latitude 27/52/45N and longitudes 97/15/41W and 97/15/46W. It was not possible to obtain soundings in this area due to daily ship moorings and transfers throughout the survey. See AWOIS item 6102 in the hydrographer's report.

The positions within Ingleside On-The-Bay (see inset) were first acquired by the hydrographer as "see field sheet" fixes (SFS). These positions were then scaled by the hydrographer and are included in the digital records.

<u>Position Numbers</u>	<u>Latitude(N)</u>	<u>Longitude(W)</u>
1273-1284	27/49/45	97/13/30

#### 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, dated April 1990, except for the following.

Several charted features were visually identified, however, positioning data was not acquired. To merely prove the existence of charted features is insufficient; positions, least depths over submerged features, and elevations of exposed features must be determined. (HM 4.5.15)

The hydrographer's use of position numbers in his report without corresponding geographic positions to describe specific submerged features is not recommended.

#### 5. JUNCTIONS

Survey H-10363 junctions with the following surveys.

<u>Survey</u>	<u>Year</u>	<u>Scale</u>	<u>Area</u>
H-10326	1989	10000	South
H-10364	1990-91	5000	Southeast
H-10369	1991	10000	West

The junction with surveys H-10364 and H-10369 are complete. One sounding has been transferred to survey H-10363 from survey H-10364 to better portray the bottom in the common area.

The junction with survey H-10326 has not been formally completed because this survey was acquired in feet not meters. There is good agreement between soundings, however, the depth curves shown on survey H-10326 delineate different depths and, therefore, do not agree.



## 6. COMPARISON WITH PRIOR SURVEYS

H-5694 (1934-35) 1:20000

Survey H-5694 covers the entire area of the present survey. This area which is common to both surveys has changed considerably, mostly through man-made changes, new construction and the dredging of La Quinta Channel. A large spoil island has been created from the spoil of La Quinta Channel. The eastern coastline has also changed, mostly through man-made construction, creating Jewell Fulton Channel and Ingleside On-The-Bay channel and marina. Donnel Reef has been eliminated with the dredging of La Quinta Channel and Long Reef has decreased in size. Areas which have not changed agree within 0.5 to 1 meters, with the present survey being deeper on most accounts.

The following features which originate with prior survey H-5694 were not investigated on this survey. These features were brought forward to the smooth sheet at the following positions. Note that these features have been revised to submerged from their charted status as visible.

<u>Feature</u>	<u>Latitude(N)</u>	<u>Longitude(W)</u> NAD83
subm pipe	27/51/45	97/15/37.5
subm pipe	27/51/38	97/15/40
subm pile	27/50/47	97/13/42.5
subm pile	27/50/39	97/13/36
subm pile	27/50/15	97/15/55.5

With the transfer of the above features, survey H-10363 is adequate to supersede the above prior survey within the common areas.

T-9177 (1948-51) 1:20000

T-9184 (1948-51) 1:20000

Shoreline maps T-9177 and T-9184 cover the entire shoreline area of the present survey. Much of the eastern shoreline has changed, especially where the La Quinta Channel has been dredged. Ingleside Point and Donnel Point have either disappeared or changed shape because of the dredging of La Quinta Channel. Jewell Fulton Channel and Ingleside On-The-Bay have been created since the photography for these shoreline maps.

Survey H-10363 is adequate to supersede the prior shoreline maps as a source for the charting of hydrographic information for the common area.

There are no AWOIS items originating from the prior survey H-5694 and shoreline maps T-9177 and T-9184 applicable to the present survey.

## 7. COMPARISON WITH CHART

Chart 11308, 16th edition, dated August 25, 1990; scale 1:40000

Chart 11309, 30th edition, dated December 2, 1989; scale 1:40000

Chart 11309, 31st edition, dated August 31, 1991; scale 1:40000

Chart 11312, 1st edition, dated June 23, 1990; scale 1:20000

The 30th and 31st editions of chart 11309 are identical except for some minor revisions to the shoreline and notations.

#### a. Hydrography

Charted hydrography originates with survey H-5694, shoreline maps T-9177 and T-9184 and miscellaneous sources and requires no further discussion, except for the following.

Several charted features were not found or adequately investigated during this survey. These features, listed below, should be retained at their presently charted position and depicted as shown below.

<u>Feature</u>	<u>Latitude (N)</u>	<u>Longitude (W)</u>	<u>AWOIS</u>
stakes	27/50/33	97/13/48	6075
ruins	27/52/48	97/15/54	6102
pier	27/50/12	97/14/21	6103

A pier which is charted on the 30th edition and not on the 31st edition of chart 11309 at latitude 27/50/08N, longitude 97/14/26W, should be charted as shown on the 30th edition. See AWOIS item 6102 discussion in section 7.b. of this report for additional information.

Except for the above features, survey H-10363 is adequate to supersede charted hydrography within the common area.

#### b. AWOIS

All AWOIS items originate with miscellaneous sources. Refer to the hydrographer's report for discussion and disposition of these features, supplemented as follows.

AWOIS item 6102, ruins, was inadequately investigated by the hydrographer and should be retained at its presently charted position. See the above table for the position.

AWOIS item 6075, submerged stakes, were visually verified by the hydrographer but not positioned. These stakes are visible and should be revised from their charted submerged status. The charted symbols should be retained at their present charted positions. A note, row of stakes, was drawn on the smooth sheet at the approximate location for the charted stakes. See the above table for their approximate position.

AWOIS item 6103, charted piers at latitude 27/50/08, longitude 97/14/26, and latitude 27/50/12, longitude 97/14/21, were not adequately investigated. The hydrographer confirms the existence of both piers, however, does not provide positioning information so that they may be plotted on this survey. Also, the 31st edition of chart 11309 has recently been received and the southernmost pier is no longer charted, possibly because the pier is not shown on the current shoreline map. The northernmost pier should be retained as presently shown on chart 11309. The southernmost pier should be recharted from its originating source adjusted to the updated mean high water line from the new shoreline map, unless the compiler has information other than the new shoreline map to justify removal.

#### c. Controlling Depths

La Quinta Channel is a federally maintained channel which is within the survey area. The depths found during this survey are consistent with or deeper than the charted controlling depths.

The note, "11 FT X 100 FT 1990" (3.3 m), associated with Jewell Fulton Channel running from latitude 27/50/30N, longitude 97/13/58W, to latitude 27/50/55N, longitude 97/13/21W, should be retained as charted. Depths in the survey area are between 4.2 meters and 5.8 meters (14 and 19 ft) at MLLW. These depths are deeper than the charted controlling depth.

The note, "4 ft 1982" (1.3 m), associated with the natural channel running from latitude 27/50/22N, longitude 97/14/49W, and latitude 27/50/17N, longitude 97/14/03W, should be revised. Depths in the survey area are between 1.3 meters and 3.4 meters (4 and 11 ft) at MLLW. Chart according to this survey with a note "4 ft 1991" (1.3 m). This is AWOIS item 6066.

The note, "39 ft rep 1988" (11.9 m), associated with the keel line at latitude 27/52/06N, longitude 97/14/43W, was verified with a 12.4 meter depth at latitude 27/52/06.08N, longitude 97/14/43.20W. Soundings along the pier face have been offset for clarity. The note, "39 ft rep 1988", should be retained as charted. This is AWOIS item 6085.

The notes, "40 ft 1981" (12.4 m), and, "41 ft 1981" (12.7m), in the vicinity of latitude 27/52/41N, longitude 97/15/46W, were neither verified nor disproved with hydrography. These notes should be retained as charted. The note, "45 ft rep 1981" (13.7m), at latitude 27/52/45N, longitude 97/15/49W, should be revised to "9 ft 1991" (2.7m). This is AWOIS item 6096.

The channel, with the note "7 ft rep", at latitude 27/52/15N, longitude 97/16/06W, should be considered for removal from the chart. Soundings in the area of this charted channel indicates that the channel no longer exists. Until then, the channel should be charted as discontinued.

#### d. Aids to Navigation

There are 31 charted fixed and floating aids within the survey area. Six of these aids were removed by the Coast Guard, see section N of the hydrographer's report. The remaining were located and serve their intended purpose. The positions of these aids can be found in the hydrographer's report, section P.

Charted landmarks which fall within the survey area were not addressed for adequacy. All landmarks within the survey limits should be retained.

#### 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

The hydrographer reported one obstruction to the USCG and N/CG222. A copy of the report is attached. No additional dangers were discovered during office processing.

### 8. COMPLIANCE WITH INSTRUCTIONS

Survey H-10363 adequately complies with the Project Instructions except as noted in this report.

## 9. ADDITIONAL FIELD WORK

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



C. R. Davies  
Cartographer

APPROVAL SHEET  
H-10363

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.

For [Signature] Date: 2/26/92  
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.

[Signature] Date: 3/2/92  
Commander Douglas G. Hennick, NOAA  
Chief, Pacific Hydrographic Section

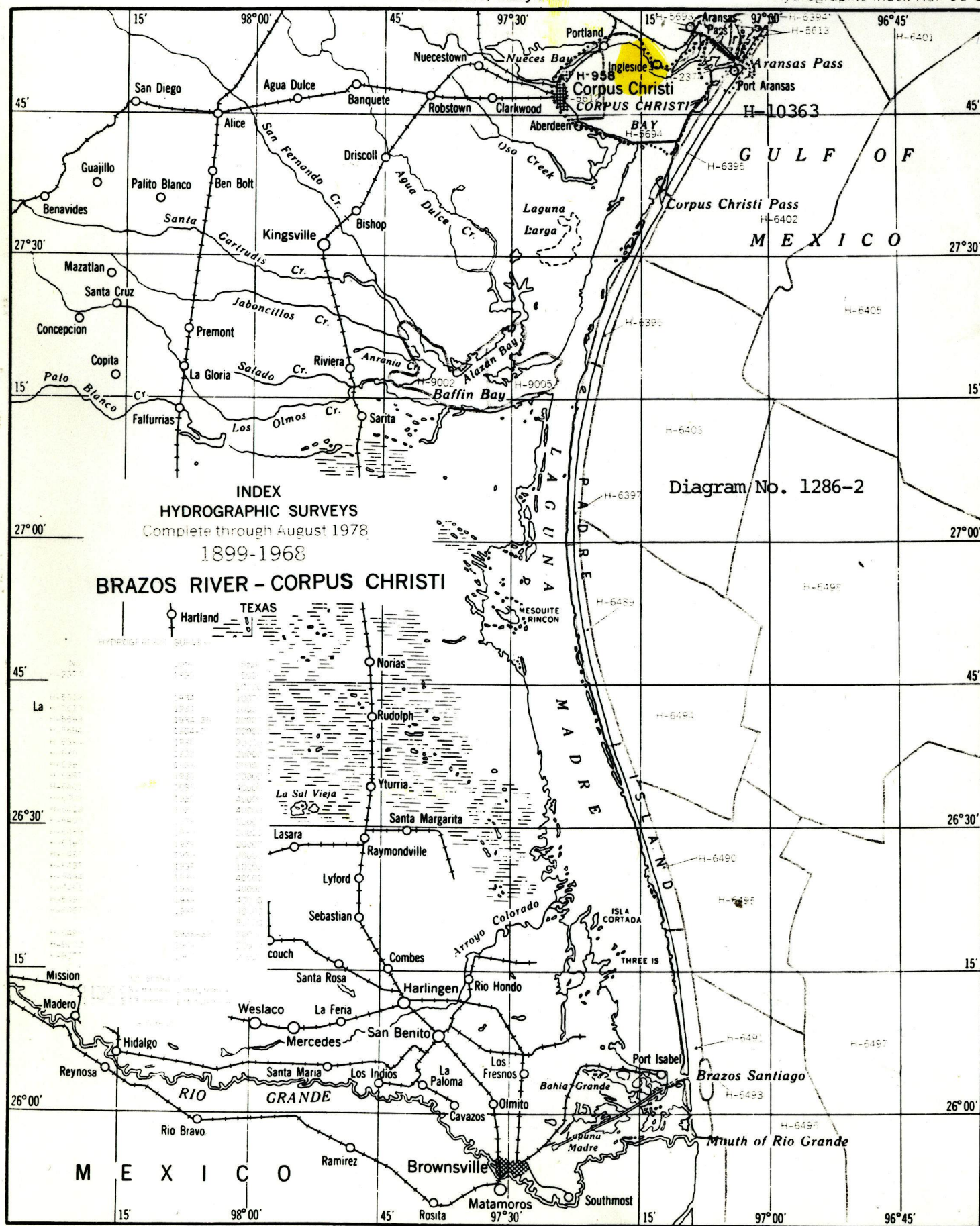
\*\*\*\*\*

Final Approval

Approved:

[Signature] Date: 2/7/95  
J. Austin Yeager  
Rear Admiral, NOAA  
Director, Coast and Geodetic Survey

## Hydrographic Index No. 91 C





FILE WITH DESCRIPTIVE REPORT OF SURVEY NO. H-10363

**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.

SUPERSEDES C&GS FORM 8352 WHICH MAY BE USED