

9002

Diag. Cht. No. 1117 & 1286.

NOAA FORM 76-35A

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

DESCRIPTIVE REPORT
(HYDROGRAPHIC)

Type of Survey ... BASIC HYDROGRAPHIC
Field No. 745-20-1-68
Office No. H-9002

LOCALITY

State TEXAS
General Locality ... LAGUNA MADRE
Locality ... BAFFIN BAY (WESTERN PART)

19 68

CHIEF OF PARTY
A. P. Sibold III

LIBRARY & ARCHIVES

DATE 11/29/69

9002

HYDROGRAPHIC TITLE SHEET

H-9002

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.

745-20-1-68

State Texas

General locality Coast of Texas Laguna Madre

Locality Baffin Bay (western part), Laguna Madre, Cape del Gallo

Scale 1:20,000

Date of survey Feb-Aug 1968

Instructions dated 1 November 1967

Project No. OPR-481

Vessel Launch GS-520 Hydrographic Field Party 745

Chief of party LT Arthur P Sibold III

Surveyed by LT Gerald M Ward/LTJG Kenith L Harris/LT Arthur P Sibold III

Soundings taken by echo sounder, ~~hand lead~~, pole DE-723 #134 & DE-723 #216 & pole

Graphic record scaled by Hydrographic Field Party #745 personnel

Graphic record checked by HFP#745 personnel

Protracted by Gerber Digital Plotter

Automated plot by Pacific Marine Center
Gerber Digital Plotter

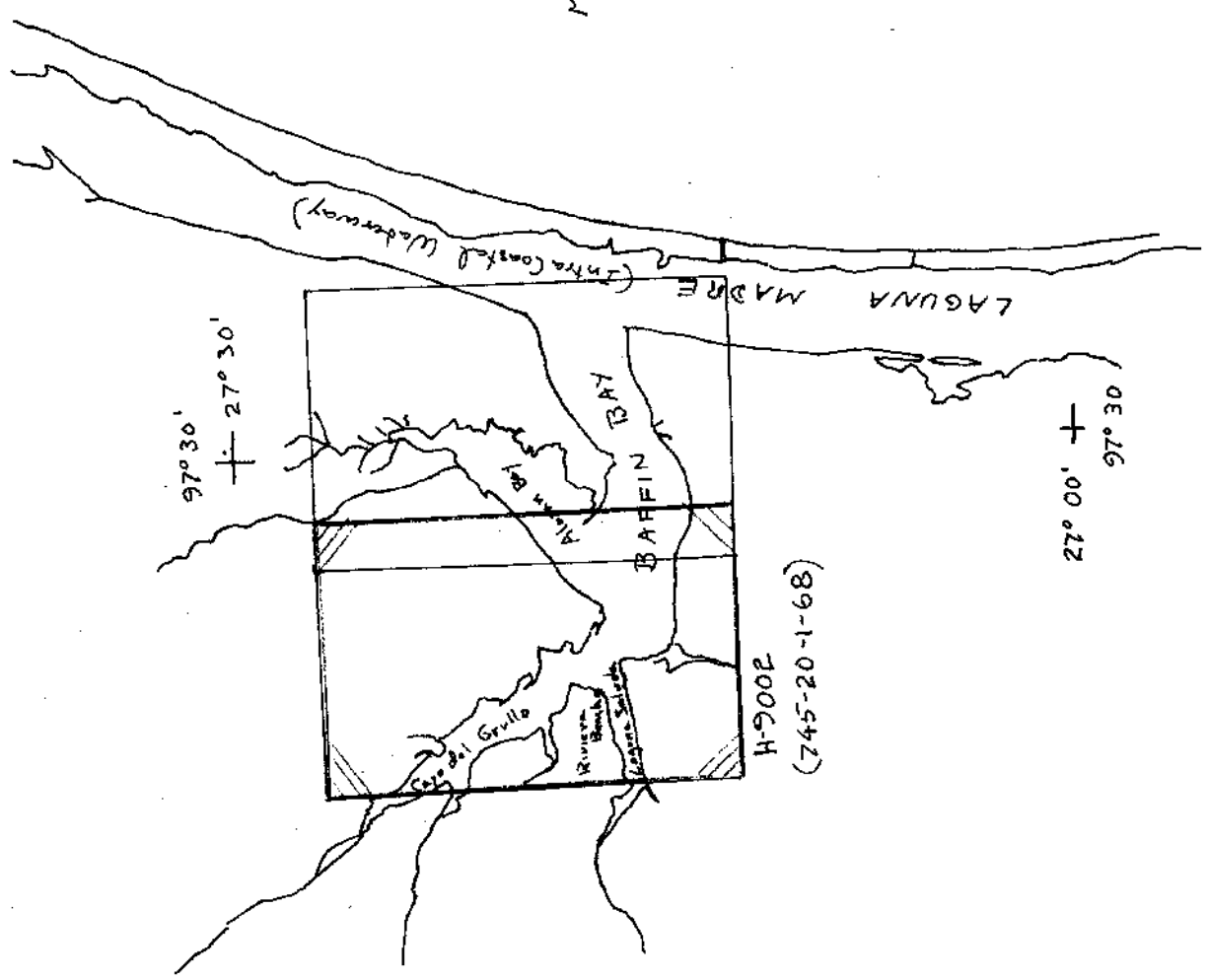
Soundings penciled by Gerber Digital Plotter

Soundings in ~~XXXXXX~~ feet at MLW ~~XXXXXX~~ and ~~extreme depths~~

REMARKS: Basic Survey. No prior surveys of area.

Handwritten initials/signature

GULF
OF
MEXICO



97° 30'
+ 27° 30'

27° 00' +
97° 30'

H-900E
(745-20-1-68)

DESCRIPTIVE REPORT

to accompany

Hydrographic Survey No. H-9002

(Boatsheet 745-20-1-68)

OFR 481

Baffin Bay, Texas

LT Arthur P Sibold

Officer-in-Charge HFP 745

A. PROJECT

This hydrographic survey was authorized under Project Instructions dated 1 November 1967.

B. AREA SURVEYED

Baffin Bay, the area ^{partly} covered by the survey, is a large semi-exposed and shallow body of water not directly open to the Gulf of Mexico. Baffin Bay is bordered on the east by the Intracoastal Waterway running through Laguna Madre. The Intracoastal Waterway is further bordered on the east by Padre Island. The nearest direct opening to the Gulf of Mexico is at Port Aransas, some 37 miles to the north.

Baffin Bay branches into three smaller arms: Alazan Bay, Cayo del Grullo, and Laguna Salada. This boatsheet covers Cayo del Grullo and Laguna Salada to the head of navigation of each, and the western part of Baffin Bay proper. Boatsheet ^{H-9002 (1968)} 20-2-68, which junctions on the east, covers the remainder of Baffin Bay, and also Alazan Bay.

No prior surveys of the area exist. The bay has depths from 1 to 9 feet, with many, many sunken rocks and obstructions.

The area covered by this boatsheet is 31 ^{H-9005 (1968)} square nautical miles. Junction with boatsheet ^{H-9002 (1968)} 20-2-68 is made on the east (right-hand side of boatsheet ^{H-9002 (1968)} 20-1-68).

C. SOUNDING VESSEL

Launch CS-520, a modified 19 foot ^{on boat sheet} ski barge, was the primary sounding vessel. Red ink identifies the work by this vessel. Position numbers 0 to 1690 were used.

A 16 foot aluminum skiff was used in rocky areas and along the shoreline.

2
4

on boat sheet
Brown ink identifies the work accomplished with this boat. The skiff used position numbers 5000 to 5365.

D. SOUNDING EQUIPMENT

A fathogram for 2-27-68 is included in the survey records. However, no volume for this day can be found and was presumably lost in the sinking of the launch. Thus hydro for this day was not plotted. The hydro resumes on 3-26-68 with pole soundings.

Soundings were obtained from Launch CS-520 using fathometers as follows:

Raytheon Survey Fathometer (DE-723) Serial No. 134
(from 8 Feb to 26 Feb 1968)

Raytheon Survey Fathometer (DE-723) Serial No. 216
(from 26 March to 10 July 1968)

The reason for the change of fathometers on 28 February is that launch CS-520 capsized and sank on that day. The fathometer was lost. Settlement & Squat corrections change on 26 March. Velocity Table No. 1 applies to soundings obtained on Fathometer No. 134; Velocity Table No. 2 applies to Fathometer 216 soundings.

Soundings were obtained by sounding pole from the skiff. The sounding pole was used to obtain soundings from Launch CS-520 also, as needed. These latter pole soundings are clearly marked in the launch sounding volumes.

The hand lead was never used during the project.

No malfunctioning of the fathometer which would affect the accuracy of the soundings was detected.

Echo soundings are recorded to the nearest 0.2 foot. Corrections to echo soundings (settlement & squat, initial, velocity, tide reducer) are determined to the nearest 0.2 foot also.

E. SMOOTH SHEET

The Smooth Sheet ~~will be~~^{was} machine plotted at the Pacific Marine Center.

F. CONTROL

Horizontal control was by visual fix. Strong fixes were obtained throughout the survey area. All signals were either triangulation marks or photo signals. No discrepancies in check angles existed.

Signals were transferred from the following photo manuscripts:

<u>Sheet</u>	<u>Date</u>	<u>Scale</u>
T-13014✓	1967 Incomplete	1:20,000
T-13015✓	"	"
T-13142✓	"	"
T-13143✓	"	"

G. SHORELINE

Boatsheet shoreline was transferred from the Incomplete Manuscripts listed above in F. The shoreline and topographic details have been verified.

The low water line could not be defined by soundings, due to the very low (~~maximum one foot~~) tidal range.
0.2 ft.

H. CROSSLINES

6.3 % crosslines were run. Agreement was excellent.

I. JUNCTIONS

Excellent junction with contemporary survey H-9005 (1968) 745-20-2-68 was obtained on the east.

J. COMPARISON WITH PRIOR SURVEYS

No presurvey review. No prior surveys.

K. COMPARISON WITH THE CHART

No chart covers the survey area.

L. ADEQUACY OF SURVEY

This survey is complete and adequate to compile a chart at the same scale or smaller. Foul areas are defined. ← No foul areas indicated on 8.5 or 5.5. More rocks exist within the foul areas than were located. Numerous small private aids to navigation exist in the survey area; these were not located.

M. AIDS TO NAVIGATION

Coast Guard-maintained markers are tabulated in a separate report on Landmarks for Charts & Fixed Aids to Navigation.

Private markers in Laguna Salada marking the channel are maintained under Coast Guard supervision.

N. STATISTICS

Naut. Miles Sounding Line (Launch CS-520)	427.1
Naut. Miles Sounding Line (Skiff)	43.4
Number of Bottom Samples	47
Number of Positions (Launch CS-520)	1691
Number of Positions (Skiff)	365

O. MISCELLANEOUS

None ✓

P. RECOMMENDATIONS

None ✓

Q. REFERENCES TO REPORTS

Copies of all applicable reports are appended to this report. ✓

Respectfully Submitted:

Arthur P. Sibold

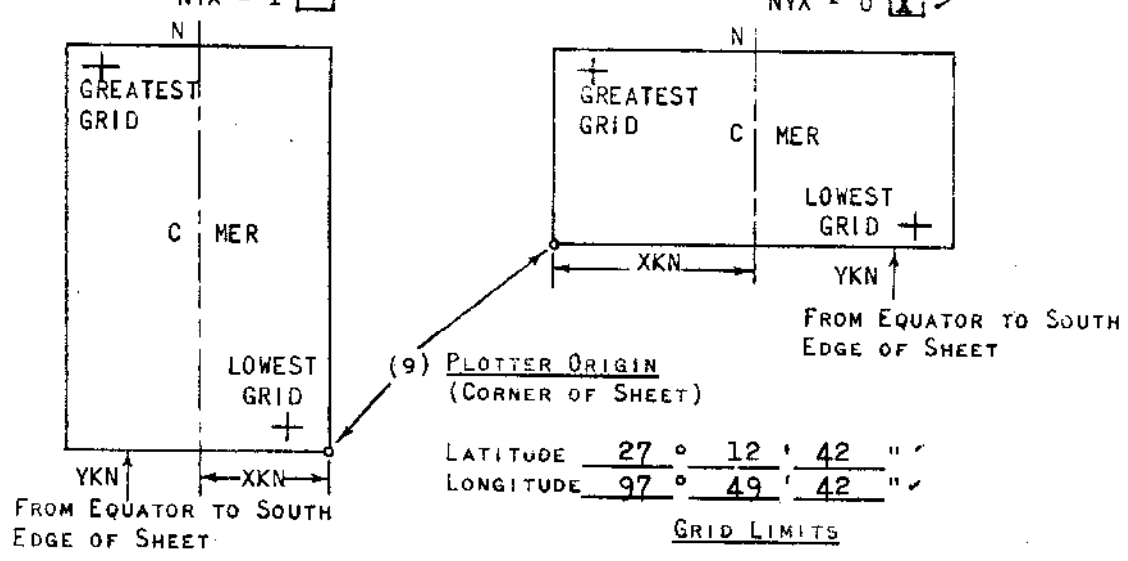
Arthur P. Sibold

FORM # 1

FIG. 15

PARAMETERS FOR DIGITAL COMPUTING
POLYCONIC PROJECTION

- (1) PROJECT No. OPR-481 (4) REQUESTED BY AMC
- (2) H No. H-9002 (5) SHIP OR OFFICE Hydro Party 745
- (3) FIELD No. 745-20-1-68 (6) DATE REQUIRED ---
- (7) VISUAL (8) ELECTRONIC (FILL OUT FORM #3)
- (10) XKN (SP 5) DISTANCE FROM CMER TO EAST EDGE (NYX = 1)
OR WEST EDGE (NYX = 0). 16011.6 METERS
- (11) YKN (SP 241) DISTANCE FROM EQUATOR TO SOUTH
EDGE OF SHEET. 3,010,915.8 METERS
- (12) CENTRAL MERIDIAN 97 ° 40 ' 00 "
- (13) SURVEY SCALE 1:20,000
- (14) SIZE OF SHEET (CHECK ONE) 36X54 42X60 OTHER
- (15) NYX, ORIENTATION OF SHEET (CHECK ONE)
NYX = 1 NYX = 0



LATITUDE 27 ° 12 ' 42 ''
 LONGITUDE 97 ° 49 ' 42 ''

GRID LIMITS

- (16) GREATEST LATITUDE 27 ° 24 ' 00 '' (PROJECTION LINE)
- (17) LOWEST LATITUDE 27 ° 13 ' 00 '' (INTERVAL, PAGE 4)
- (18) DIFFERENCE ° 11 ' 00 '' (HYDRO MANUAL)
- (19) 01 ' 00 ''
- (20) 11 YSN
- (21) GREATEST LONGITUDE 97 ° 49 ' 00 ''
- (22) LOWEST LONGITUDE 97 ° 32 ' 00 ''
- (23) DIFFERENCE ° 17 ' 00 ''
- (24) 01 ' 00 ''
- (25) 17 XSN

LIST G.P. OF ALL STATIONS TO BE PLOTTED ON THIS PROJECTION ON THE BACK OF THIS FORM. (DEG., MIN., SEC.)

Comp: HLP
 Ckd: WWF

TIDE NOTE

Survey H-9002 (1968)

Boatsheet 745-20-1-68

TIDE STATION: Riviera Beach, Baffin Bay, Texas
Lat: 27°17.29' N
Long: 97°39.67' W

TIME MERIDIAN: 90° W

PLANE OF REFERENCE: Mean Low Water
MLW = feet on 1968 Staff.

TIDAL ZONE: Tide Reducers obtained from
this station apply to the entire
survey area of Boatsheet 745-20-1-68
H-9002 C (1968)

TIME DIFFERENCES: None

HEIGHT DIFFERENCES: None

TIDE NOTE FOR HYDROGRAPHIC SHEET

February 27, 1969

~~Nautical Chart Division~~ Atlantic Marine Center

Plane of reference approved ~~in~~ 4 pages
~~reference of specific records for~~ for

HYDROGRAPHIC SHEET 9002

Locality: Baffin Bay, Texas

Chief of Party: A. P. Sibold, 1968

Plane of reference is mean low water

Tide Station Used (Form C&GS-681):

Riviera Beach, Baffin Bay, Texas

Height of Mean High Water above Plane of Reference is as follows:

0.2 ft.

Remarks

J. M. Symons
Chief, Tides and Currents Branch

ABSTRACT OF TIDE CORRECTIONS
(See instr. on reverse side)

U.S. DEPARTMENT OF COMMERCE
ESSA
COAST AND GEODETIC SURVEY

1. HYDRO. SURVEY NO:		2. FIELD NO.		3. SURVEY LOCATION		4. TIME MERIDIAN	
H. 9002		745-20-I-68		Baffin Bay, Texas		90° West	
a. MO. DAY YR. OR DAY NO. (Date)	b. POSITION NUMBER	c. TIME		4. TIDE REDUCERS FT.	5. MACHINE ENTRY FMS.	f. TIDE STATION USED (As Form 684)	9. CORRECTION USED ZONE DESIGNATION
		FROM	TO				
2-8-68 (039)		10 11 00	17 16 59	-0.3		Riviera Beach; Baffin Bay, Texas	None
2-9-68 (040)		13 19 00	14 38 00	-0.1			
2-12-68 (043)		16 00 00	15 30 00	-0.2			
2-20-68 (051)		09 43 00	13 50 00	-0.1			
2-21-68 (052)		08 49 00	16 05 00	-0.1			
2-26-68 (057)		10 35 00	14 27 59	-0.5			
3-26-68 (086)		14 28 00	15 36 00	-0.7			
3-28-68 (088)		09 12 00	13 10 00	-0.3			
4-2-68 (093)		08 53 00	14 08 00	-0.1			
4-5-68 (096)		09 04 00	11 32 59	+0.3			
4-8-68 (099)		11 33 00	14 38 00	+0.1			
4-9-68 (100)		08 46 00	14 12 00	+0.3			
		09 05 00	10 53 59	+0.3		Plane of Reference Approved Datum Planes Section Date <u>2/2/69 est</u>	
		10 54 00	13 13 00	+0.1			
		09 19 00	09 39 59	+0.1			
		09 40 00	13 18 00	-0.1			
		10 14 00	14 59 00	-0.1			
		08 30 00	08 50 59	+0.1			
		08 51 00	09 04 00	-0.1			

5. CHECKED APPROVED

INSTRUCTIONS FOR PREPARATION AND SUBMITTAL

The information entered on this form shall be derived from associated tide records and together with those records be forwarded to the Washington Office for administrative approval by Tides and Currents Branch, Marine Data Division, Office of Oceanography.

Instructions by item number.

1. Enter the survey number
2. Enter the field number.
3. Enter the survey locality.
4. Enter the time meridian used.
5. Checked: Enter field approval
Approved: Indicate Washington Office approval.

Instructions by columns (letters):

- a. Enter the day of the year. A coded entry must be identifiable in the Washington Office.
- b. Enter the position number of the sounding line where the reducer is to first apply.
- c. Enter the time in hours and minutes that the reducer listed in "d" is used.
- d. Enter the tide reducer necessary to correct the sounding to the plane of the reference.

The value entered by the field personnel shall be certified by the Washington Office, or corrected and returned to the originator. Only approved information can be entered into the smooth (edited) tape.

- e. Enter the tide value from the previous column (Tide reducer) applied to a tide base of +60.0.

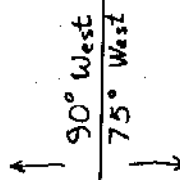
Example: +60.0
 - 3.1 (from column d.)
 +56.9 (into column e.)

This summed value shall be punched into the paper tape.

- f. Enter the origin of the tidal record from which the reducers in column "d" were derived. The entry must be identical with the terminology expressed in form 681.
- g. Enter the additional information used to determine the corrections: Ratio of Range, ± time necessary to correct for the gage position, and zone designation.

ABSTRACT OF TIDE CORRECTIONS
(See Instr. 25 on reverse side)

1. HYDRO. SURVEY NO: H. 9002		2. FIELD NO. 745-20-1-68		3. SURVEY LOCATION Baffin Bay, Texas		4. TIME MERIDIAN 90° West	
a. MO. DAY YR. OR DAY NO. (Date)	b. POSITION NUMBER	c. TIME		d. TIDE REDUCERS FMS. FT.	e. MACHINE ENTRY PAGE	f. TIDE STATION USED (As Form 681)	g. CORRECTION USED ZONE DESIGNATION
		FROM	TO				
4-10-68 (101)		12 50 00	13 50 59	-0.1 ✓		Riviera Beach; Baffin Bay, Texas	None
		13 51 00	16 10 00	-0.3 ✓			
4-11-68 (102)		08 36 00	14 00 59	-0.1 ✓			
		14 01 00	14 41 00	-0.3 ✓			
4-15-68 (106)		09 13 00	11 43 59	+0.1 ✓			
		11 44 00	14 57 00	-0.1 ✓			
4-16-68 (107)		11 30 00	12 30 59	+0.1 ✓			
		12 31 00	14 33 59	-0.1 ✓			
		14 34 00	15 05 00	-0.3 ✓			
4-18-68 (109)		08 57 00	15 06 00	+0.1 ✓			
4-22-68 (113)		09 01 00	12 30 59	+0.1 ✓			
		12 31 00	13 41 00	-0.1 ✓			
4-24-68 (115)		09 23 00	11 36 59	+0.1 ✓			
		11 37 00	15 54 00	-0.1 ✓			
4-30-68 (121)		09 05 00	10 44 59	-0.1 ✓			
		10 45 00	13 49 00	-0.3 ✓			
5-1-68 (122)		08 51 00	13 39 00	-0.1 ✓			
5-2-68 (123)		09 05 00	14 49 00	-0.1 ✓			
		09 02 00	09 21 59	-0.1 ✓			
5-8-68 (129)		09 22 00	11 42 00	-0.3 ✓			
		08 52 00	11 44 00	-0.7 ✓			



Plane G. 1010-68 APPROVED
Datum Planes Section
Date 2/27/69

5. CHECKED 1547

APPROVED

Tide readings No. 5722-68 (197) missing by Tables 4-5-72 D.I.R.
Reducers entered in list for this are approved by Tables 4-5-72 D.I.R.

INSTRUCTIONS FOR PREPARATION AND SUBMITTAL

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Instructions by item number.

1. Enter the survey number
2. Enter the field number.
3. Enter the survey locality.
4. Enter the time meridian used.
5. Checked: Enter field approval
Approved: Indicate Washington Office approval.

Instructions by columns (letters):

- a. Enter the day of the year. A coded entry must be identifiable in the Washington Office.
- b. Enter the position number of the sounding line where the reducer is to first apply.
- c. Enter the time in hours and minutes that the reducer listed in "d" is used.
- d. Enter the tide reducer necessary to correct the sounding to the plane of the reference.

The value entered by the field personnel shall be certified by the Washington Office, or corrected and returned to the originator. Only approved information can be entered into the smooth (edited) tape.

- e. Enter the tide value from the previous column (Tide reducer) applied to a tide base of +60.0.

Example:

$$\begin{array}{r} +60.0 \\ - 3.1 \text{ (from column d.)} \\ \hline +56.9 \text{ (into column e.)} \end{array}$$

This summed value shall be punched into the paper tape.

- f. Enter the origin of the tidal record from which the reducers in column "d" were derived. The entry must be identical with the terminology expressed in form 681.
- g. Enter the additional information used to determine the corrections: Ratio of Range, ± time necessary to correct for the gage position, and zone designation.

ABSTRACT OF TIDE CORRECTIONS
(See instr. 05 on reverse side)

1. HYDRO. SURVEY NO:		2. FIELD NO.		3. SURVEY LOCATION		4. TIME MERIDIAN	
H-9002		745-20-1-68		Baffin Bay, Texas		75 West	
9. MO. DAY YR. OR DAY NO. (Date)	8. POSITION NUMBER	5. TIME		d. TIDE REDUCERS FT.	e. MACHINE ENTRY FMS.	f. TIDE STATION USED (As Form 68f)	9. CORRECTION USED ZONE DESIGNATION
		FROM	TO				
5-24-68 (145)		09 14 00 13 01 00	13 00 59 14 15 00	-0.3 ✓ -0.5 ✓		Riviera Beach; Baffin Bay, Texas	None
5-29-68 (150)		12 40 00	13 41 00	-0.1 ✓			
6-3-68 (155)		13 00 00 14 24 00	14 23 59 16 00 00	+0.2 ✓ 0.0 ✓			
6-4-68 (156)		09 22 00	11 05 00	+0.1 ✓			
6-12-68 (164)		07 54 00	11 44 00	+0.2 ✓			
6-13-68- (165)		08 27 00	13 41 00	+0.3 ✓			
6-14-68 (166)		08 48 00	09 10 00	+0.3 ✓			
6-17-68 (169)		08 59 00	13 58 00	+0.4 ✓			
6-28-68 (180)		09 17 00	11 18 00	-0.5 ✓			
7-1-68 (183)		10 38 00	14 30 00	-0.4 ✓			
7-10-68 (192)		08 30 00	09 16 00	-0.3 ✓			
7-19-68 (201)		09 43 00	14 17 00	+0.1 ✓			

Plane of Reference Approved
Datum Planes Section
Date 2/27/69 *at*

APPROVED

5. CHECKED
5/27/69

INSTRUCTIONS FOR PREPARATION AND SUBMITTAL

The information entered on this form shall be derived from associated tide records and together with those records be forwarded to the Washington Office for administrative approval by Tides and Currents Branch, Marine Data Division, Office of Oceanography.

Instructions by item number.

1. Enter the survey number
2. Enter the field number.
3. Enter the survey locality.
4. Enter the time meridian used.
5. Checked: Enter field approval
Approved: Indicate Washington Office approval.

Instructions by columns (letters):

- a. Enter the day of the year. A coded entry must be identifiable in the Washington Office.
- b. Enter the position number of the sounding line where the reducer is to first apply.
- c. Enter the time in hours and minutes that the reducer listed in "d" is used.
- d. Enter the tide reducer necessary to correct the sounding to the plane of the reference.

The value entered by the field personnel shall be certified by the Washington Office, or corrected and returned to the originator. Only approved information can be entered into the smooth (edited) tape.

- e. Enter the tide value from the previous column (Tide reducer) applied to a tide base of +60.0.

Example:

$$\begin{array}{r} +60.0 \\ - 3.1 \text{ (from column d.)} \\ \hline +56.9 \text{ (into column e.)} \end{array}$$

This summed value shall be punched into the paper tape.

- f. Enter the origin of the tidal record from which the reducers in column "d" were derived. The entry must be identical with the terminology expressed in form 681.
- g. Enter the additional information used to determine the corrections: Ratio of Range, ± time necessary to correct for the gage position, and zone designation.

ABSTRACT OF TIDE CORRECTIONS
(See Instr. 11 on reverse side)

U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

1. HYDRO. SURVEY NO:		2. FIELD NO.		3. SURVEY LOCATION		4. TIME MERIDIAN	
H-9002		745-20-1 68		Baffin Bay, Texas		75° West	
a. NO. DAY YR. OR DAY NO. (Date)	b. POSITION NUMBER	c. TIME		d. TIDE REDUCERS FT.	e. MACHINE ENTRY FMS.	f. TIDE STATION USED (As Form 681)	g. CORRECTION USED ZONE DESIGNATION
		FROM	TO				
7-22-68 (204)		09 42 00	10 00 00	+0.3 -		Riviera Beach; Baffin Bay, Texas	None
7-23-68 (205)		08 00 00 13 18 00	13 17 57 14 00 00	+0.3 - +0.1 -			
7-24-68 (206)		08 00 00	14 00 00	+0.3 -			
7-31-68 (213)		09 37 00 13 23 00	13 22 59 14 29 00	+0.2 - 0.0 -			
8-1-68 (214)		09 32 00	13 40 00	+0.2 -			

Plane of Reference Approved
Datum Planes Section
Date 2/27/69

APPROVED

3. CHECKED

8/17

✓

INSTRUCTIONS FOR PREPARATION AND SUBMITTAL

The information entered on this form shall be derived from associated tide records and together with those records be forwarded to the Washington Office for administrative approval by Tides and Currents Branch, Marine Data Division, Office of Oceanography.

Instructions by item number.

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2. Enter the field number.
3. Enter the survey locality.
4. Enter the time meridian used.
5. Checked: Enter field approval
Approved: Indicate Washington Office approval.

Instructions by columns (letters):

- a. Enter the day of the year. A coded entry must be identifiable in the Washington Office.
- b. Enter the position number of the sounding line where the reducer is to first apply.
- c. Enter the time in hours and minutes that the reducer listed in "d" is used.
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- e. Enter the tide value from the previous column (Tide reducer) applied to a tide base of +60.0.

Example:

$$\begin{array}{r} +60.0 \\ - 3.1 \text{ (from column d.)} \\ \hline +56.9 \text{ (into column e.)} \end{array}$$

This summed value shall be punched into the paper tape.

- f. Enter the origin of the tidal record from which the reducers in column "d" were derived. The entry must be identical with the terminology expressed in form 681.
- g. Enter the additional information used to determine the corrections: Ratio of Range, \pm time necessary to correct for the gage position, and zone designation.

ABSTRACT OF CORRECTIONS TO ECHO SOUNDINGS

Survey No. H-9002 (1968)

Boatsheet 745-20-1-68

The following table of velocity correctors (obtained from bar checks) applies to:

Fathometer DE-723 #134
Launch CS-520
8 Feb to 26 Feb 1968

<u>Fathometer</u>	<u>Depth</u>	<u>Correction</u>	
1.5 ft to	2.1 ft	0.2 ft	VELOCITY TABLE No. 1
2.2	5.8	0.4	
5.9	9.0	0.6	

The following table of settlement & squat correctors applies to:

Launch CS-520
8 Feb to 26 Feb 1968

STOP to 3000 rpm	0.0 ft
3000 to Full (Standard)	0.2 ft

The above correctors for S&S and velocity apply only up through 26 February 1968.

ABSTRACT OF CORRECTIONS TO ECHO SOUNDINGS

Surveys No. H-9002 & H-9020

Boatsheets 745-20-1-68 & 745-20-2-68

The following table of velocity correctors (obtained from bar checks) applies to:

Fathometer DE-723 #216
Launch CS-520
1 March to 24 September 1968

<u>FATHOMETER DEPTH</u>	<u>CORRECTION</u>	VELOCITY TABLE No. 2
1.1 ft to 3.0 ft	+ 0.2 ft	
3.1 5.5	+ 0.4	
5.6 8.3	+ 0.6	
8.4 10.0	+ 0.8	

The following table of settlement & squat correctors applies to:

Launch CS-520
1 March to 24 September 1968

STOP to 2500 rpm	0.0 ft
2501 to 3750 rpm	+ 0.2
3750 to Full (Standard)	+ 0.4
Planing Speed	-0.2

Both the above tables apply only to echo soundings obtained by Launch CS-520 during period 1 March through 12 September 1968.

APPROVAL SHEET

All field work accomplished during this survey was done under the direct supervision of myself and LT G.M. Ward (Officer-in-Charge prior to June 1968). All field data has been examined by me, and is approved.

This survey is a basic hydrographic survey of a previously uncharted and unsurveyed area. The survey is complete and adequate for charting at scale 1:20,000 or smaller. No further field work is recommended.

Approved & Forwarded:

Arthur P Sibold III

Arthur P Sibold III

LT-USC&GS

Officer-in-Charge

Hydrographic Field Party 745

-0.2 (Let 1 inch equal 4 fathoms for deep water and 1 inch equal 0.4 fathom for shoal.)
 +0.0 +0.2 +0.4 +0.6 +0.8

CORRECTIONS IN FEET, FATHOMS

FORM C&GS-117 (11-55) U.S. DEPARTMENT OF COMMERCE
 COAST AND GEODETIC SURVEY
 Bar Check VELOCITY CORRECTIONS
 Ship Hydrographic Field Party 745
 Lt. Cerald M. Ward Comdg.
 These corrections are to be used
 between 8 Feb. 1968 and 26 Feb. 1968
 in the locality Haffin Bay, Texas
 for hydrographic surveys Nos. _____

0.0 10
 0.5 20
 1.0 30
 1.5 40
 2.0 50
 2.5 60
 3.0 70
 3.5 80
 4.0 90
 4.5 100
 5.0 110
 5.5 120
 6.0 130
 6.5 140
 7.0 150
 7.5 160
 8.0 170
 8.5 180
 9.0 190

DEPTHS IN FATHOMS

(For deep water add a 0 to these figures)

FATHOMETER # 134
 BAR CHECK CORRECTIONS
 DEPTH (FEET) CORRECTION (FEET)

1.5 to 2.1 +0.2
 2.1 to 5.8 +0.4
 5.8 to 9.0 +0.6

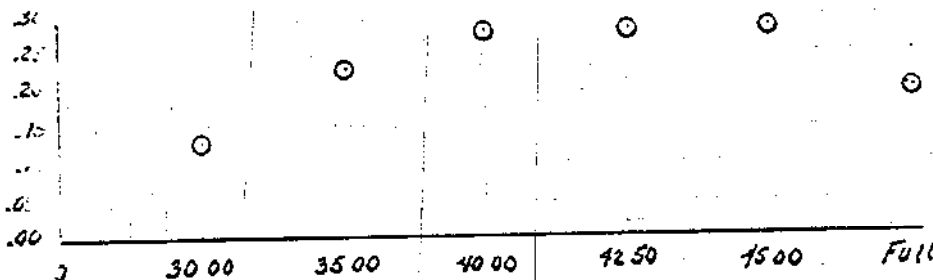
COMPUTED & PLOTTED - JLR
 CHECKED BY - O.L.S.

NO. 20 X 30 TO THE INCH 46 1240
 7 X 10 INCHES MADE IN U.S.A.
 KEUFFEL & ESSER CO.

18

SETTLEMENT AND SQUAT CORRECTIONS
 LAUNCH CS-520
 Observations taken on June 7, 1967
 HFP 745-10-1-67

REP	TIME	ROD READING	STAFF READING	SUM	MEAN	CORR.
STOP	1427	9.55	1.90	11.45	11.42	0.00
3000	29	9.65	1.90	11.55	11.55	+0.13
3000	31	9.65	1.90	11.55		
3500	32	9.75	1.90	11.65	11.65	+0.23
3500	33	9.75	1.90	11.65		
4000	35	9.80	1.90	11.70	11.70	+0.28
4000	36	9.80	1.90	11.70		
4250	38	9.85	1.90	11.75	11.70	+0.28
4250	39	9.80	1.85	11.65		
4500	40	9.85	1.85	11.70	11.70	+0.28
4500	41	9.85	1.85	11.70		
Full	42 1/2	9.80	1.85	11.65	11.62	+0.20
Full	44	9.75	1.85	11.60		
STOP	46	9.55	1.85	11.40		



For speeds from 3000 RPM to Full, use a
 settlement and squat correction of +0.2.

FOR USE PRIOR
 TO 28 FEBRUARY 68

Drawn — CMA

(Let 1 inch equal 4 fathoms for deep water and 1 inch equal 0.4 fathom for shoal.)

CORRECTIONS IN FEET, FATHOMS

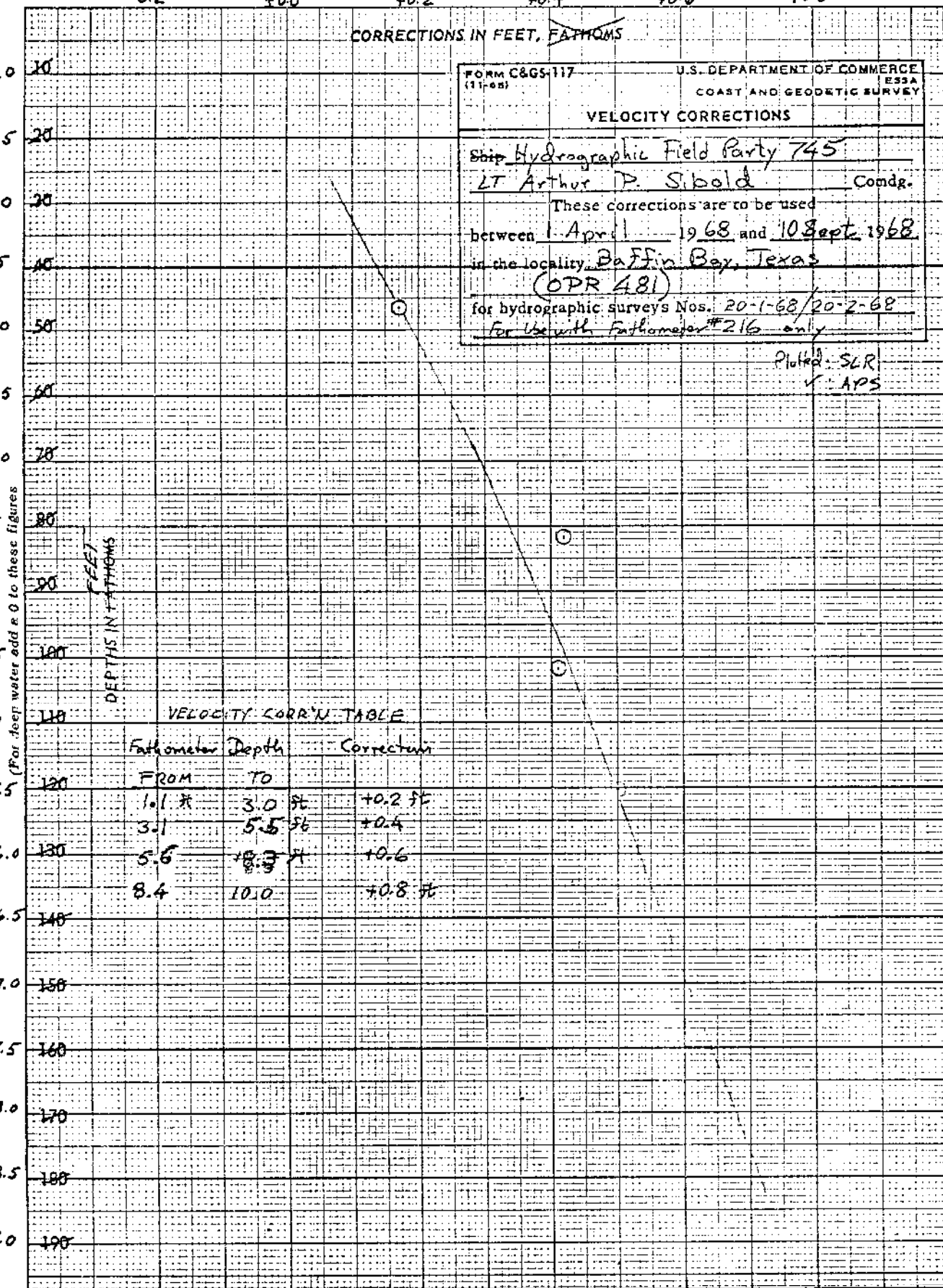
FORM C&GS-117 (11-68) U.S. DEPARTMENT OF COMMERCE COAST AND GEODETIC SURVEY

VELOCITY CORRECTIONS

Ship Hydrographic Field Party 745
 LT Arthur P. Sibold Comdg.

These corrections are to be used
 between 1 April 1968 and 10 Sept 1968
 in the locality Baffin Bay, Texas
 (OPR 481)
 for hydrographic surveys Nos. 20-1-68/20-2-68
 for use with Fathometer #216 only

Plotted: SLR
 V: APS



VELOCITY CORR'N TABLE

Fathometer	Depth		Correction
	FROM	TO	
120	1.1 ft	3.0 ft	+0.2 ft
	3.1	5.5 ft	+0.4
130	5.6	8.3 ft	+0.6
	8.4	10.0	+0.8 ft

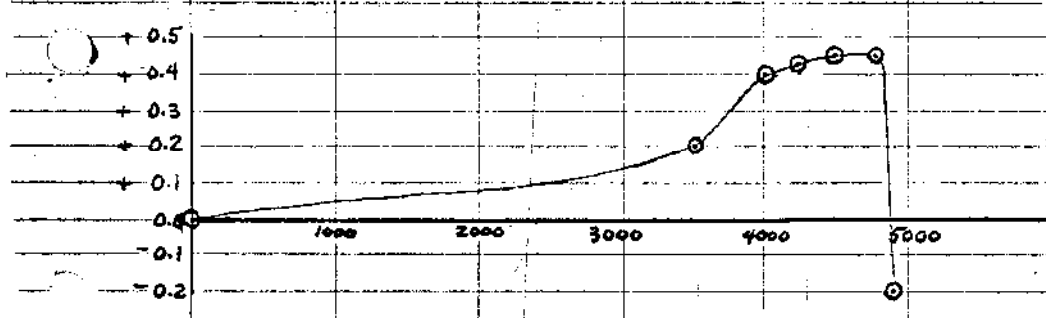
K&W 20 X 20 TO THE INCH 46 1240 MADE IN U.S.A. KEUFFEL & ESSER CO.

SQUAT AND SETTLEMENT CORRECTIONS

20 MAY 1968
 LAUNCH CS-520

BAFFIN BAY, TEXAS

RPM	RUN 1		RUN 2		MEAN OF 2. CORR.
	ROD	CORR.	ROD	CORR.	
STOP	8.60	-	8.60	-	-
3500	8.80	+0.20	8.80	+0.20	+0.20
4000	9.00	+0.40	9.00	+0.40	+0.40
4250	9.00	+0.40	9.00	+0.40	+0.40
4500	9.05	+0.45	9.05	+0.45	+0.45
4750	9.05	+0.45	9.05	+0.45	+0.45
FULL	8.40	-0.20	8.40	-0.2	-0.20
STOP	8.60	-	8.60	-	-



FOR USE AFTER
 1 MARCH 1968

PLOTTED BY - JLR
 / ED - JCB

NONFLOATING AIDS OR LANDMARKS FOR CHARTS

**TO BE CHARTED
TO BE REVISED-
TO BE DELETED-
STRIKE OUT TWO

HYDROGRAPHIC FIELD PARTY 745 MAY 1968

I recommend that the following objects which have ~~(have not)~~ been inspected from seaward to determine their value as landmarks be charted on ~~(deleted from)~~ the charts indicated.

The positions given have been checked after listing by K. L. HARRIS

** ALL OF THE POSITIONS ON THIS FORM ARE FOR CHARTING ONLY IF

STANDARDS ON INSHORE WELLS ARE CHANGED

Chief of Party

STATE	CHARTING NAME	DESCRIPTION	SIGNAL NAME	POSITION				METHOD OF LOCATION AND SURVEY No.	DATE OF LOCATION	CHARTS AFFECTED
				LATITUDE		LONGITUDE				
				D. M. METERS	S. N.	D. M. METERS	E. W.			
TEXAS	WELL PLATFORM (LIGHTED)	WELL, - SOUTHERN MINERALS LAGUNA SALADA	WEL	27 16	08.64	97 42	53.04	2/68	893-SL	
	WELL PLATFORM (LIGHTED)	WELL (LIGHTED), - SOUTHERN MINERALS, LAGUNA SALADA - QK FL R		27 16	11.70	97 42	39.95	"	"	
	WELL PLATFORM (LIGHTED)	WELL (LIGHTED), - SUN OIL CO. LAGUNA SALADA - QK FL R		27 16	32.94	97 41	28.03	"	"	
	WELL PLATFORM (LIGHTED)	WELL (LIGHTED), - SUN OIL CO. LAGUNA SALADA - QK FL R		27 16	10.14	97 41	7.71	"	"	
	WELL PLATFORM (LIGHTED)	WELL (LIGHTED), - SUN OIL CO. LAGUNA SALADA - QK FL R		27 16	32.62	97 41	20.43	"	"	
	WELL PLATFORM (LIGHTED)	WELL (LIGHTED), - SUN OIL CO. LAGUNA SALADA - QK FL R		27 16	10.04	97 40	27.12	"	"	
	WELL PLATFORM (LIGHTED)	WELL (LIGHTED), - TEXAS CO. CAYO del GRULLO - QK FL R	PIT	27 22	19.57	97 41	37.57	"	"	
	WELL PLATFORM (LIGHTED)	WELL (LIGHTED), - TEXAS CO. CAYO del GRULLO - QK FL R		27 22	6.03	97 41	10.33	"	"	
	WELL PLATFORM (LIGHTED)	WELL (LIGHTED), - TEXAS CO. CAYO del GRULLO - QK FL R		27 22	23.36	97 41	57.64	"	"	
	WELL PLATFORM (LIGHTED)	WELL (LIGHTED), - TEXAS CO. CAYO del GRULLO - QK FL R		27 22	7.19	97 41	16.37	"	"	
	WELL PLATFORM (LIGHTED)	WELL (LIGHTED), - TEXAS CO. CAYO del GRULLO - QK FL R	MUD	27 22	09.62	97 41	58.26	"	"	
	WELL PLATFORM (LIGHTED)	WELL (LIGHTED), - TEXAS CO. CAYO del GRULLO - QK FL R	LOG	27 21	56.66	97 41	48.68	"	"	
	WELL PLATFORM (LIGHTED)	WELL (LIGHTED), - TEXAS CO. CAYO del GRULLO - QK FL R	PUB	27 21	41.27	97 41	50.35	"	"	
	WELL PLATFORM (LIGHTED)	WELL (LIGHTED), - TEXAS CO. CAYO del GRULLO - QK FL R	BOB	27 21	45.17	97 41	56.65	"	"	
	WELL PLATFORM (LIGHTED)	WELL (LIGHTED), - TEXAS CO. CAYO del GRULLO - QK FL R	NED	27 20	54.68	97 41	19.93	"	"	
	WELL PLATFORM (LIGHTED)	WELL (LIGHTED) CARRL CO. BAFIN BAY - QK FL R		27 17	33.27	97 38	04.91	"	"	
	WELL PLATFORM (LIGHTED)	WELL (LIGHTED) CARRL CO. BAFIN BAY - QK FL R (3)		27 17	01.92	97 37	52.32	"	"	

This form shall be prepared in accordance with Hydrographic Manual, Publication 20.2, Sec. 1-55, 2-39, 6-36, 7-18 to 22 inclusive, and Fig. 79. Positions of charted landmarks and nonfloating aids to navigation, if redetermined, shall be reported on this form. Revisions shall show both the old and new positions. The data should be considered for the charts of the area and not by individual field survey sheets. Information under each column heading should be given.

NONFLOATING AIDS OR LANDMARKS FOR CHARTS

~~*** TO BE CHARTED ***~~ STRIKE OUT TWO
HYDROGRAPHIC FIELD PARTY 745 MAY 19 68

I recommend that the following objects which have ~~(been)~~ been inspected from seaward to determine their value as landmarks be charted on ~~(deleted from)~~ the charts indicated.

The positions given have been checked after listing by K. L. HARRIS

Richard M. Wood
Chief of Party

*** ALL OF THE POSITIONS ON THIS FORM ARE FOR CHARTING ONLY IF STANDARDS

ON INSHORE WELLS ARE CHANGED.

CHARTING NAME	DESCRIPTION	SIGNAL NAME	POSITION						METHOD OF LOCATION AND SURVEY NO.	DATE OF LOCATION	HARBOR CHART	NEARBY CHART	CHARTS AFFECTED			
			LATITUDE		LONGITUDE		DATUM									
			D	M	D	M										
WELL PLATFORM (LIGHTED)	WELL (LIGHTED) - CARRL Co.	GAS?	27	16	42.79	1317	97	38	NA	1927	(Photo) T-13014	2/68	X		893-SC	
WELL PLATFORM (LIGHTED)	BAFFIN BAY OIL R (S)	OIL	27	16	29.86	919	97	38	"	"	"	"	X		"	
WELL PLATFORM (LIGHTED)	WELL (LIGHTED) - CARRL Co.	HUM	27	17	10.85	334	97	35	"	"	(Photo) T-13015	"	X		"	
WELL PLATFORM (LIGHTED)	BAFFIN BAY OIL R (R)		27	17	09.03	278	97	35	"	"	"	"	X		"	
WELL PLATFORM (LIGHTED)	ALAZAN ENTRANCE OIL R															
WELL PLATFORM (LIGHTED)	ALAZAN ENTRANCE OIL R															

This form shall be prepared in accordance with Hydrographic Manual, Publication 20.2, Sec. 1-55, 2-39, 6-36, 7-18 to 22 inclusive, and Fig. 79. Positions of charted landmarks and nonfloating aids to navigation, if redetermined, shall be reported on this form. Revisions shall show both the old and new positions. The data should be considered for the charts of the area and not by individual field survey sheets. Information under each column heading should be given.

* TABULATE SECONDS AND METERS

copy 4 005

PH-9005
(For Coast Pilot)

NONFLOATING AIDS OR LANDMARKS FOR CHARTS

TO BE CHARTED TO STRIKE OUT TW TW
HYDROGRAPHIC FIELD PARTY 745 MAY 1968

Charted on (deleted from) the charts indicated.

by *John T. Hummel, Capt. USN*
Chief of Party

STATE	CHARTING NAME	DESCRIPTION	SIGNAL NAME	LATITUDE		LONGITUDE	METHOD OF LOCATION AND SURVEY NO.	DATE OF LOCATION	HARBOR CHART	OFFSHORE CHART	CHARTS AFFECTED
				D. METERS	N. METERS						
	MICRO TOWER	MICROWAVE STEEL HT. 163 (185) FEET	ROW	15 27	01 72	N.A.	(PHOTO) T-13014	2/68	X		893-SC
	EAST OIL TANK	(E. of 2 TANKS) - WHITE		16 27	04 07	43	(PHOTO) T-13014	"	X		893-SC
	TALLEST PALM EAST	(E. of GROUP) WHITE	FINN	16 27	03 42	42	(PHOTO) T-13014	"	X		893-SC
	E. HOUSE GAB	HOUSE E. GAB. RED ROOF	GAB	18 27	49 87	41	(PHOTO) T-13014	"	X		893-SC
	NORTH 2 PALM	(N. of 2 TANKS) - WHITE	VAN	19 27	41 35	41	(PHOTO) T-13014	"	X		893-SC
	TALLEST OIL TANK	TANK, NORTH 2 TANKS	TAN	21 27	41 36	41	(PHOTO) T-13014	"	X		893-SC
	WINDMILL	WINDMILL, STEEL	TOD	23 27	00 52	97	(PHOTO) T-13014	"	X		893-SC
	WINDMILL	WINDMILL, STEEL	PON	20 27	31 32	97	(PHOTO) T-13014	"	X		893-SC
	WINDMILL	WINDMILL, STEEL ANDY HOOK	MIL	19 27	49 05	38	(PHOTO) T-13014	"	X		893-SC
	WINDMILL	WINDMILL, STEEL (KLEBERG, INFIERNILLO)	ERG	18 27	10 57	97	(PHOTO) T-13015	"	X		893-SC
	WINDMILL	WINDMILL, STEEL	MAR	17 27	17 25	97	(PHOTO) T-13015	"	X		894 893-SC
	WINDMILL	WINDMILL, STEEL		20 27	20 53	97	(PHOTO) T-13015	"	X		894 893-SC
	WINDMILL	WINDMILL, STEEL		23 27	13 78	97	(PHOTO) T-13013	"	X		893-SC

This form shall be prepared in accordance with Hydrographic Manual, Publication 20.2, Sec. 1-55, 2-39, 6-36, 7-18 to 22 inclusive, and Fig. 79. Positions of charted landmarks and nonfloating aids to navigation, if redetermined, shall be reported on this form. Revisions shall show both the old and new positions. The data should be considered for the charts of the area and not by individual field survey sheets. Information under each column heading should be given.

HYDROGRAPHIC FIELD PARTY 745

May

1968

TO BE CHARTED
-TO BE REVISED-

Subjects which have ~~these~~ been inspected from seaward to determine their value as landmarks be charted on ~~deleted~~ ~~from~~ the charts indicated.

The ~~list~~ listing by Oliver C. Shindler, Capt. U.S.N. Chief of Party.

STATE	CHARTING NAME	ELEVATION	POSITION		DATUM	METHOD OF LOCATION AND SURVEY NO.	DATE OF LOCATION	NEAREST CHART	MIDDLE CHART	FURTHEST CHART	CHARTS AFFECTED
			LONGITUDE	LONGITUDE							
		FEET	D.P. METERS	D.P. METERS							
TEXAS	WINDMILLS (BURCIO)	HT. 45 (55)	33.07	97 31	N.A. (PHOTO) T-13015	VERIFIED 2/68	X			894	
	WINDMILL, STEEL (MESQUITE)	HT. 45 (55) FEET	33.07	97 28	(PHOTO) T-13016	"	X			893-SC	
	WINDMILL, STEEL	HT. 45	33.07	97 28	(PHOTO) T-13016	"	X			894	
	WINDMILL, S	HT. 45	33.07	97 28	(PHOTO) T-13016	"	X			893-SC	
	WINDMILL, S	HT. 45	33.07	97 28	(PHOTO) T-13016	"	X			894	
	WEST OF WESTERLY AND TALLEST OF 2 PALMS	PALM TREES	20.27	97 24	(PHOTO) T-13016	5/68	X			893-SC	
			22.19	97 24	(PHOTO) T-13016	2/68	X			893-SC	

This form shall be prepared in accordance with Hydrographic Manual, Publication 20.2, Sec. 1-55, 2-39, 6-36, 7-18 to 22 inclusive, and Fig. 79. Positions of charted landmarks and nonfloating aids to navigation, if redetermined, shall be reported on this form. Revisions shall show both the old and new positions. The data should be considered for the charts of the area and not by individual field survey sheets. Information under each column heading should be given.

NORFOLK HYDROGRAPHIC PROCESSING BRANCH
LIST OF SIGNALS
H-9002

(25)

TRIANGULATION STATIONS 139

043 FOR CRAWFORD 2, 1912-49
103 RAN KENEDY RANCH, WATER TANK, 1931-50
039 SAD PASADISO, 1912-49
001 RUL GRULLO, 1949
139 048 AGUA AGUA, 1912-49

PHOTO-HYDRO STATIONS

243

SOURCE T-13014

002 PIT ^x ✓	016 TEE✓	031 GIN✓	061 ANN✓
003 MUD ^x ✓	018 RUM✓	032 FUN ^x ✓	062 ROW ^x ✓
004 LOG ^x ✓	019 QUO✓	033 EGO✓	
005 BOB ^x ✓	020 PAD✓	034 DIP✓	
006 PUB ^x ✓	021 OFF✓	035 ACK ^x ✓	
007 TAN ^x ✓	022 ECHO✓	036 GAS ^x ✓	
008 ZAG✓	023 NIG✓	037 OIL ^x ✓	
009 NED ^x ✓	024 MOO✓	038 WEL ^x ✓	
010 YES✓	025 ATE✓	040 LOT✓	
011 XYL✓	026 LOW✓	042 RIG✓	
012 WIN✓	027 KEN✓	053 PON ^x ✓	
013 VANY ^x ✓	028 JUG✓	054 TOD ^x ✓	
014 USE✓	029 ICE✓	059 CUT✓	
015 GAB ^x ✓	030 HOT✓	060 BAR✓	

SOURCE T-13015

243
045 POI✓ 051 ERG^x✓ 057 GUN✓
046 ACE✓ 052 MIL^x✓ 058 KIS✓
047 MAR^x✓ 055 BIB✓
049 HUM^x✓ 056 TIM✓

SOURCE T-13142

041 RAP 243

SOURCE T-13143

243
044 BON✓
041 RAP

Norfolk, Virginia
May 8, 1969

AMC PLOTTER NOTE TO EDAT


(1968) (1968)
SURVEYS H-9002 & H-9005

Enclosed are tapes and printouts of the control stations for these two surveys. They are to be processed on a priority basis and you are supposed to receive confirmation for this from Rockville Office.

Please furnish overlays for the control stations at your earliest convenience. We will forward the tapes for the raw data soundings, etc., when we get them logged.

The boat sheet for H-9005⁽¹⁹⁶⁸⁾ was lost overboard in the field and a copy of H-9002⁽¹⁹⁶⁸⁾ has never been made to my knowledge.

You will note that we have called for the projection for H-9002 to be plotted on 42" paper as some of the control stations would fall off the edge of 36" paper. We plan to trim the paper to a smaller size later.


Hugh L. Proffitt
Chief, Hydro Branch, AMC

Verifier: W.L. Johns

Norfolk, Va.
May 27, 1969

27

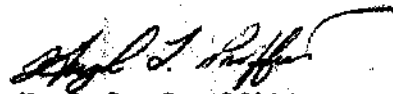
PLOTTER NOTE TO EDAT

SURVEY H-9002 (1968)

The signal overlay has been checked and found to be correct.

Please furnish this office a position overlay.

Note: We have been notified unofficially that a priority will be assigned to this survey.


Hugh L. Proffitt
Chief, Hydro Br., AMO

VERIFIER: W.L. Jones

Norfolk, Va.
July 8, 1969

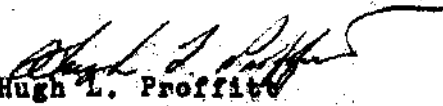
(28)

AMC PLOTTER NOTE TO EDAT
SURVEY H-9002 (1968)

1. The position overlay for this survey has been verified. There are about 43 positions which need correcting and we have re-logged them and are enclosing a corrected position tape and printout.
2. In addition to the ^{ONLY} above, there are two positions numbered 0049. Destroy ~~the~~ the one having a time of 15:45:00 on Julian day 039.

Also, The position correction tape has a position numbered 5190 which should be added to the position card file. Do not pull the existing position card number 5190.

3. Due to the small number of corrections on this survey, it is not believed necessary to make a corrected position overlay as we can check the above errors on the sounding overlay.
4. After the above corrections have been made please furnish this office a sounding overlay. It should be on 42" paper as hydro falls close to the edge of the sheet. We will trim at this office.
5. This is a priority survey and a prompt return of the sounding overlay will be appreciated.


Hugh L. Proffitt
Chief, Hydro Br., AMC

VERIFIER: Dan R. Munford

Norfolk, Va.
August 21, 1969

29

AMC PLOTTER NOTE TO EDAT
H-9002 (1968)


We are enclosing a new velocity tape and printout to replace the one you have on hand. It is incorrect as it has a \neq 0.8 instead of a 0.0 in velocity table 3 which made all pole soundings 0.8 ft. too deep. Please recut all sounding cards affected by velocity table no. 3.

The position printout has 2 positions to be corrected and 2 to be destroyed. Also, positions 5365 thru 5370 are out of sequence. They are located between positions 5293 and 5294. These changes are indicated in red pencil.

The sounding printout has all changes indicated in red pencil. Those soundings (approx. 2100) affected by the incorrect velocity in table 3 were not marked in red as the new corrector tape will take care of these discrepancies. *Eds. correct on smooth sheet - H.L.P.*

When the above corrections have been made, please furnish this office a smooth plot of this survey.

You will recall that a priority has been placed on this survey and on H-9005₍₁₉₆₈₎ which is in your office for a smooth plot now.


Hugh L. Proffitt
Chief, Hydro Br., AMC

FORM C&GS-946
(REV. 11-65)
(PRESC. BY
HYDROGRAPHIC
MANUAL 20-2,
8-66, 7-13)

U.S. DEPARTMENT OF COMMERCE
ENVIRONMENTAL SCIENCE SERVICES ADMINISTRATION
COAST AND GEODETIC SURVEY
NAUTICAL CHART DIVISION

HYDROGRAPHIC SURVEY STATISTICS
HYDROGRAPHIC SURVEY NO. H-9002

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

RECORD DESCRIPTION		AMOUNT	RECORD DESCRIPTION		AMOUNT	
SMOOTH SHEET & Pos. Overlay		/	BOAT SHEETS		/	
DESCRIPTIVE REPORT		/	OVERLAYS		XX 6	
DESCRIPTION	DEPTH RECORDS	HORIZ. CONT. RECORDS	PRINTOUTS	TAPE ROLLS	PUNCHED CARDS	ABSTRACTS/ SOURCE DOCUMENTS
ENVELOPES	1					
CAMERS	1		5			
VOLUMES	12					
BOXES						

T-SHEET PRINTS (List)

SPECIAL REPORTS (List)

Velocity Corrections

OFFICE PROCESSING ACTIVITIES

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

PROCESSING ACTIVITY	AMOUNTS			
	PRE-VERIFICATION	VERIFICATION	REVIEW	TOTALS
POSITIONS ON SHEET				2061
POSITIONS CHECKED		155	93	
POSITIONS REVISED		2	-	
DEPTH SOUNDINGS REVISED			5	
DEPTH SOUNDINGS ERRONEOUSLY SPACED			-	
SIGNALS ERRONEOUSLY PLOTTED OR TRANSFERRED			-	
	TIME (MANHOURS)			
TOPOGRAPHIC DETAILS		4	24	
JUNCTIONS		2	2	
VERIFICATION OF SOUNDINGS FROM GRAPHIC RECORDS		10	4	
<i>Logging and preliminary SPECIAL ADJUSTMENTS</i>	152			
ALL OTHER WORK		225	88	
TOTALS		241	118	

PRE-VERIFICATION BY
W.L. JONNS & DAN R. Mumford

BEGINNING DATE: 10 April 1969
ENDING DATE: 5 May 1969

VERIFICATION BY
F. Bean

BEGINNING DATE: 29 Oct 1969
ENDING DATE: 14 NOV 1969

REVIEW BY
Dennis Romberg
57 Ave 10-16-74

BEGINNING DATE: 2-1-73
ENDING DATE: 4-6-72

H- 9002

- A. Additions and corrections have been furnished the plotter
Except those listed for correction
center by the verification unit, by Review.

Date Nov. 20, 1969

Signed *Alfred J. Ruffin*
Title Chief, Hydro Branch, AMC

- B. Additions and corrections have been added to the survey
Review
records and the final smooth sheet forwarded to the ~~verification~~
~~unit~~ unit.

Date Nov. 20, 1969

Signed *Alfred J. Ruffin*
Title Chief, Hydro Branch, AMC

- C. The smooth sheet has been inspected, is complete, and
meets the requirements of the General Instructions for
automated surveys and the Hydrographic Manual. (Note:
All exceptions are listed in the verifier's report).

Date Nov. 20, 1969

Signed *Alfred J. Ruffin*
Title Chief, Hydro Branch, AMC

- D. Smooth sheet and records forwarded to Rockville, Maryland
Office.

Date Nov. 21, 1969

NORFOLK HYDROGRAPHIC PROCESSING BRANCH

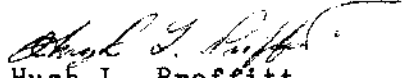
VERIFICATION NOTES

H-9002

GENERAL

This is an excellent basic survey. Any minor problems experienced are noted in the enclosed "Plotter Note to EDAT".

Since Hydro Party 745 was not equipped with loggers, this Branch prepared the survey records for automation and accomplished the logging of all raw data and correction tapes.


Hugh L. Proffitt
Chief, Hydro Branch, AMC

GEOGRAPHIC NAMES

Survey No. H-9002

Name on Survey	Source of Name											
	A	B	C	D	E	F	G	H	K			
Alazan Bay ✓												1
Baffin Bay ✓												2
Cayo del Grullo ✓												3
Laguna Salada ✓												4
Riviera Beach ✓												5
starvation Point ✓												6
Starvation Point												7
Loyola Beach ✓												8
Drum Pt. ✓												9
Pie de Gallo ✓												10
Kleberg Point ✓												11
Sandy Hook ✓												12
Neubauer Point ✓												13
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OK CEH
2-23-76

PREPARED BY

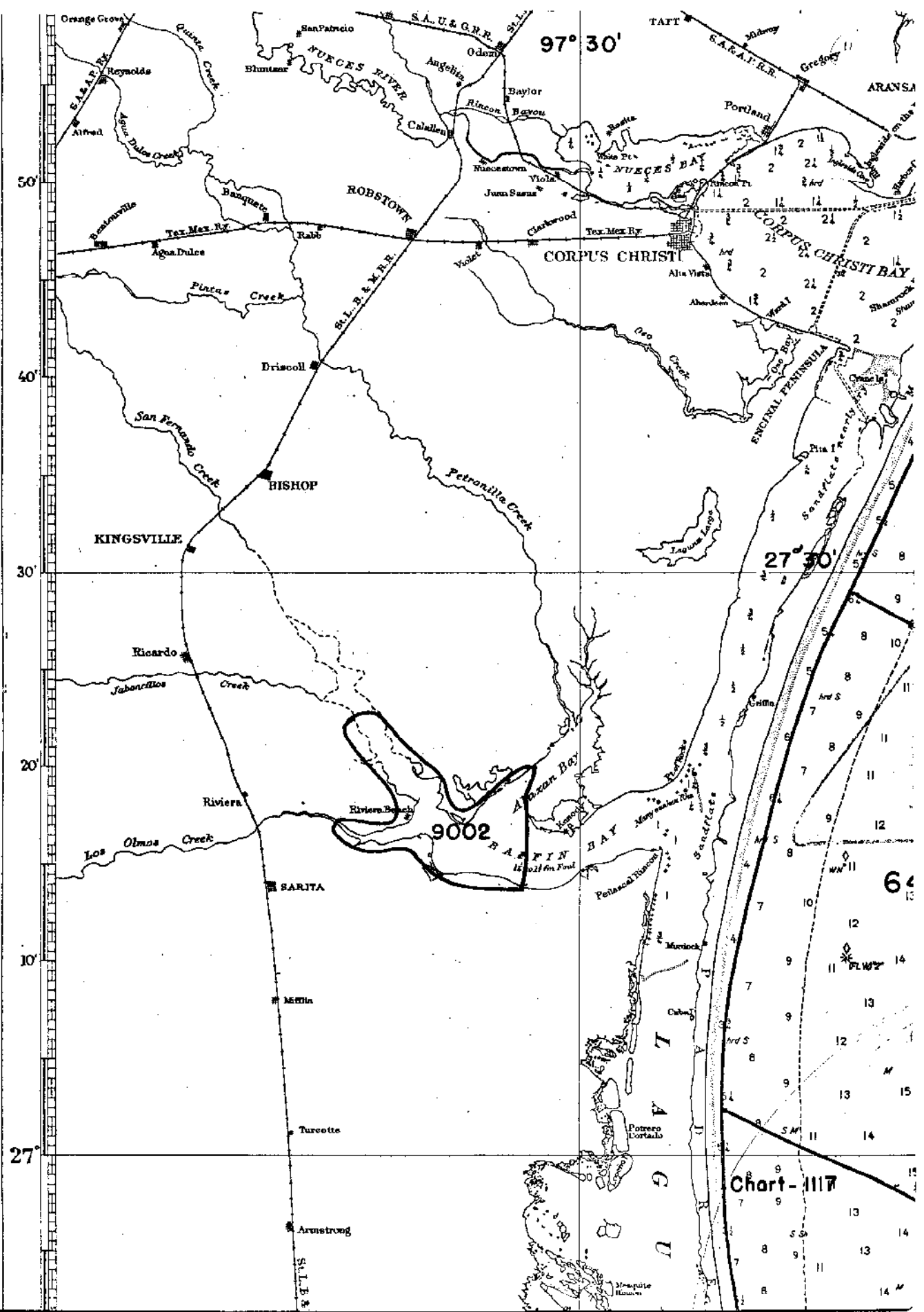
Frank W. Pickett

CARTOGRAPHIC TECHNICIAN

APPROVED BY

A Joseph Wright

CHIEF GEOGRAPHER



Reg. No. H-9002

The Computer and Excess Sounding Cards for this survey have not been corrected to reflect the changes made to the Computer Card and Excess Card Printouts at this time of the review.

When the cards have been updated to reflect the final results of the survey the following shall be completed:

CARDS CORRECTED

DATE _____ TIME REQ'D _____ INITIALS _____

REMARKS:

Reg. No. _____

The magnetic tape containing the data for this survey has not been corrected to reflect the changes made during evaluation and review.

When the magnetic tape has been updated to reflect the final results of the survey, the following shall be completed:

MAGNETIC TAPE CORRECTED

DATE _____ TIME REQ'D _____ INITIALS _____

REMARKS:

H-9002

Items for Future Presurvey Review

<u>Position Index</u>		<u>Bottom Change</u>	<u>Use</u>	<u>Resurvey</u>
<u>Lat.</u>	<u>Long.</u>	<u>Index</u>	<u>Index</u>	<u>Cycle</u>
272	0974	5	1	25 years
271	0974	5	1	25 years
271	0975	5	1	25 years
272	0975	5	1	25 years

OFFICE OF MARINE SURVEYS AND MAPS

MARINE CHART DIVISION

HYDROGRAPHIC SURVEY REVIEW

REGISTRY NO. H-9002

FIELD NO. 745-20-1-68

Texas, Laguna Madre, Baffin Bay (Western Part)

SURVEYED: February 8 - July 10, 1968

SCALE: 1:20,000

PROJECT NO.: OPR-481

SOUNDINGS: DE-723 Depth Recorders,
Sounding Pole

CONTROL: Sextant Angles
on Shore Signals

Chief of Party	A. P. Sibold III
Surveyed by	G. M. Ward
.....	K. L. Harris
.....	A. P. Sibold III
Automated Plot by	Gerber Digital Plotter (PMC)
Verified and Inked by	F. Bean
Reviewed by	D. J. Romesburg
.....	Date: February 16, 1972
Inspected by	F. B. Powers

1. Description of the Area

This survey covers two arms of Baffin Bay, Laguna Salada and Cayo del Grullo, plus the western end of Baffin Bay proper and the mouth of Alazan Bay.

The generally flat or sloping bottom is broken by numerous rocks, reefs, shoals, and oil well structures. These features are occasionally marked by piles, pipes, stakes, or posts. The rocks (locally named wormrock because of their marine life composition) rarely extend above the sounding datum and, in many instances, are covered 1 foot at mean low water. A 2-3 foot sand ridge restricts Alazan Bay entrance at Baffin Bay. A privately marked channel leads into Laguna Salada. The bottom is predominately rocky, mud covered, with scattered deposits of sand and shells.

2. Control and Shoreline

The origin of the control is given in Part F of the Descriptive Report.

The shoreline originates with the reviewed photogrammetric manuscripts T-13014, T-13015, T-13142, and T-13143 of 1967-68. Shoreline revisions appearing in red are from the hydrographic information.

3. Hydrography

A. Depths at crossings are in very good agreement.

B. The usual depth curves were adequately delineated. Because of the very low tidal range (mean tide range 0.2 foot), the low water line could not be defined by soundings.

C. The development of bottom configuration and the investigation of least depths are considered adequate.

4. Condition of the Survey

The survey records, automated plotting, and the Descriptive Report are adequate and conform to the requirements of the Hydrographic Manual as amended by instructions promulgating the Hydrographic Digital Recording System except as follows:

A. No tide reducers were found for May 22, 1968 (Day 143).

B. Some station names and their descriptions were placed in the water area of the survey. This conflicts with specifications denoted in sections 5-10 and 6-15 of the Hydrographic Manual.

C. Many of the station names were not written on line with the bottom of the station symbol as specified in section 6-15 of the Hydrographic Manual.

5. Junctions

An adequate junction was effected with H-9005 (1968) on the east.

6. Comparison with Prior Surveys

There are no prior surveys within the limits of this survey.

7. Comparison with Chart 893-SC, 2nd Ed., August 7, 1971

A. Hydrography

The charted hydrography originates with the verified smooth sheet of the present survey.

Attention is directed to the following:

1. The items listed below are parts of oil well structures and are covered in a general note on the chart. In addition, the dolphin mentioned below was removed along with its well structure during the later stage of the hydrographic survey. These items should be deleted from the chart.

<u>Item</u>	<u>Location</u>	
(a) Dolphin	latitude $27^{\circ}16.13'$	longitude $97^{\circ}42.9'$
(b) Pile	" $27^{\circ}22.17'$	" $97^{\circ}41.97'$
(c) Pile	" $27^{\circ}21.95'$	" $97^{\circ}41.81'$
(d) Pile	" $27^{\circ}21.75'$	" $97^{\circ}41.95'$
(e) Pile	" $27^{\circ}21.67'$	" $97^{\circ}41.83'$
(f) Unlabeled pile symbol	" $27^{\circ}16.55'$	" $97^{\circ}41.47'$
(g) Piling	" $27^{\circ}17.18'$	" $97^{\circ}35.24'$

2. The unlabeled pile symbol charted on the first edition of 893-SC in latitude $27^{\circ}16'35''$, longitude $97^{\circ}42'32''$ from a source not readily ascertainable should be retained on the chart.

3. The low-water area charted in latitude $27^{\circ}14'06''$, longitude $97^{\circ}33'26''$ was revised to a rock awash. The chart should be revised to reflect the change also.

4. Several submerged rocks charted throughout the survey area as 1Rk have been revised to rocks awash covered 1 foot at mean low water. It is recommended that the chart be revised to indicate these changes.

B. Topography

1. The numerous piers and piers-in-ruins charted from the topographic survey are in disagreement with the hydrographic information. Many of these features were repaired or built subsequent to the date of the topographic field edit and were located by the hydrographer. The piers and piers-in-ruins should be charted to agree with the final smooth sheet data.

2. The items listed below, located on the present survey, are not presently charted:

<u>Item</u>	<u>Location</u>		
(a) Fence	latitude	27°13.9'	longitude 97°33.24'
(b) Pier	"	27°20.5'	" 97°41.4'
(c) Fence	"	27°14.15'	" 97°33.8'
(d) Rock (covered 1 ft. at MLW)	"	27°17.22'	" 97°39.63'

The above mentioned should be charted.

3. Several shoreline changes were made from 1970 aerial photographs (Bp 79050) subsequent to the date of the present survey and should be returned on the chart.

Except as noted above, the present survey is adequate to supersede the charted hydrography within the common area.

C. Aids to Navigation

The aids presently charted adequately mark the features intended.

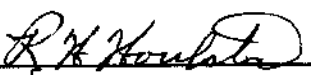
8. Compliance with Project Instructions

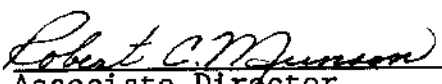
The survey adequately complies with the Project Instructions.

9. Additional Field Work

This survey is considered to be an excellent basic survey and no additional field work is recommended.

Examined and Approved:


 Chief
 Marine Chart Division


 Associate Director
 Office of Marine Surveys and
 Maps

Digitized.
Cards Punched

5370 Pcs

Jul yr

Began 039 68

End 014 68