13144

Original

13144

FORM C&GS-504

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

DESCRIPTIVE REPORT

Type of Survey Shoreline (Photogrammetric)

Field No. ____ Office No. T-13144

LOCALITY

State Texas

General locality Baffin Bay

Locality Potrero De Los Caballos

1967-68

CHIEF OF PARTY

J.Bull,RADM,Director,Atlantic MarineCenter

LIBRARY & ARCHIVES

DATE

USCOMM-DC 37022-P66

FORM C&GS-181a
(3-66)

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

DESCRIPTIVE REPORT - DATA RECORD

T - 13144

PROJECT NO. (II):

PH-6711

FIELD OFFICE (II):	CHIEF OF PARTY
None	
PHOTOGRAMMETRIC OFFICE (III):	OFFICER-IN-CHARGE
Atlantic Marine Center	J. Bull, RADM, Director

INSTRUCTIONS DATED (II) (III):

FIELD	February 7, 1967
AEROTRIANGULATION	May 18, 1967
OFFICE COMPILATION	June 29, 1967

METHOD OF COMPILATION (III):

Kelsh Stereo-Plotter

MANUSCRIPT SCALE (III):	STEREOSCOPIC PLOTTING INSTRUMENT SCALE (III):
1:20,000	1:8,000 pantographed to 1:20,000
DATE RECEIVED IN WASHINGTON OFFICE (IV):	DATE REPORTED TO NAUTICAL CHART BRANCH (IV):

APPLIED TO CHART NO.	DATE:	DATE REGISTERED (IV):

GEOGRAPHIC DATUM (III):

N.A. 1927

VERTICAL DATUM (III): MHW
[redacted] EXCEPT AS FOLLOWS:
Elevations shown as (25) refer to mean high water
Elevations shown as (5) refer to sounding datum
i.e., mean low wate[redacted]

REFERENCE STATION (III):

SALT, 1912 ✓

LAT.:	LONG.:	
27° 12' 29.710" 914.4M ✓	97° 26' 01.717" 47.3M ✓	☒ ADJUSTED ☐ UNADJUSTED

PLANE COORDINATES (IV):		STATE	ZONE
Y = 561,790.34 ft. ✓	X = 2,346,518.98 ft. ✓	TEXAS	South

ROMAN NUMERALS INDICATE WHETHER THE ITEM IS TO BE ENTERED BY (II) FIELD PARTY, (III) PHOTOGRAMMETRIC OFFICE, OR (IV) WASHINGTON OFFICE.
WHEN ENTERING NAMES OF PERSONNEL ON THIS RECORD GIVE THE SURNAME AND INITIALS, NOT INITIALS ONLY.

USCOMM-DC 36393A-P66

FORM C&GS-181b
(3-66)

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

DESCRIPTIVE REPORT - DATA RECORD

FIELD INSPECTION BY (III): None *	DATE:
MEAN HIGH WATER LOCATION (III) (STATE DATE AND METHOD OF LOCATION): Air Photo Compilation - March 25 & 26, 1967	
PROJECTION AND GRIDS RULED BY (IV): A. E. Roundtree	DATE: May 4, 1967
PROJECTION AND GRIDS CHECKED BY (IV): L. F. Van Scoy	DATE: May 11, 1967
CONTROL PLOTTED BY (III): L. O. Neterer	DATE: July 19, 1967
CONTROL CHECKED BY (III): F. P. Margiotta	DATE: July 19, 1967
RADIAL PLOT OR STEREOSCOPIC CONTROL EXTENSION BY (III): I. I. Saperstein	DATE: July 19, 1967
STEREOSCOPIC INSTRUMENT COMPILATION (III): Kelsh Plotter	PLANIMETRY: W. S. Davis; Reviewed by: A. L. Shands — DATE: Sept. 12, 1967; Sept. 12, 1967
	CONTOURS: Inapplicable — DATE:
MANUSCRIPT DELINEATED BY (III): C. Blood	DATE: Oct. 15, 1967
SCRIBING BY (III): F. P. Margiotta	DATE: Apr. 7, 1968
PHOTOGRAMMETRIC OFFICE REVIEW BY (III): Compilation - - - - - - - - - - - - R. J. Pate; Field - - - - - - - - - - - - - - - - R. E. Smith; Scribing & Stick-up - - - - - - - - R. J. Pate	DATE: Oct. 20, 1967; Apr. 1, 1968; Apr. 8, 1968

REMARKS:
FIELD EDIT BY: E. W. Hartford — March 18, 1968

*Refer to "Pre-Marking Report" Attached

USCOMM-DC 36393-P66

FORM C&GS-181c
(3-66)

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

DESCRIPTIVE REPORT - DATA RECORD

CAMERA (KIND OR SOURCE) (III):

USC&GS Type "L"

PHOTOGRAPHS (III)

NUMBER	DATE	TIME	SCALE	STAGE OF TIDE
There are no color or infrared photos centers within this sheet. ~~(See T-13016)~~ This survey was compiled from the following photographs, whose centers fall on T-1301C:				
67-L-454thru458	Mar. 24, 1967	11:18	1:40,000	See *
" 473R " 478R	" "	12:03	" "	

TIDE (III)

	RATIO OF RANGES	MEAN RANGE	SPRING RANGE
REFERENCE STATION:			
SUBORDINATE STATION:			
SUBORDINATE STATION:			

WASHINGTON OFFICE REVIEW BY (IV): Atlantic Marine Center W. M. Stavney — DATE: July 1969

PROOF EDIT BY (IV): — DATE:

NUMBER OF TRIANGULATION STATIONS SEARCHED FOR (II):	2	RECOVERED: 2	IDENTIFIED: 2
NUMBER OF BM(S) SEARCHED FOR (II):	0	RECOVERED:	IDENTIFIED
NUMBER OF RECOVERABLE PHOTO STATIONS ESTABLISHED (III):	0		
NUMBER OF TEMPORARY PHOTO HYDRO STATIONS ESTABLISHED (III):	0		

REMARKS:

* Page 240 of 1967 Tide Table (For No. 3301) states "Inside at the various bays, except near the inlets, the periodic tide has a mean range of less than ½ foot."

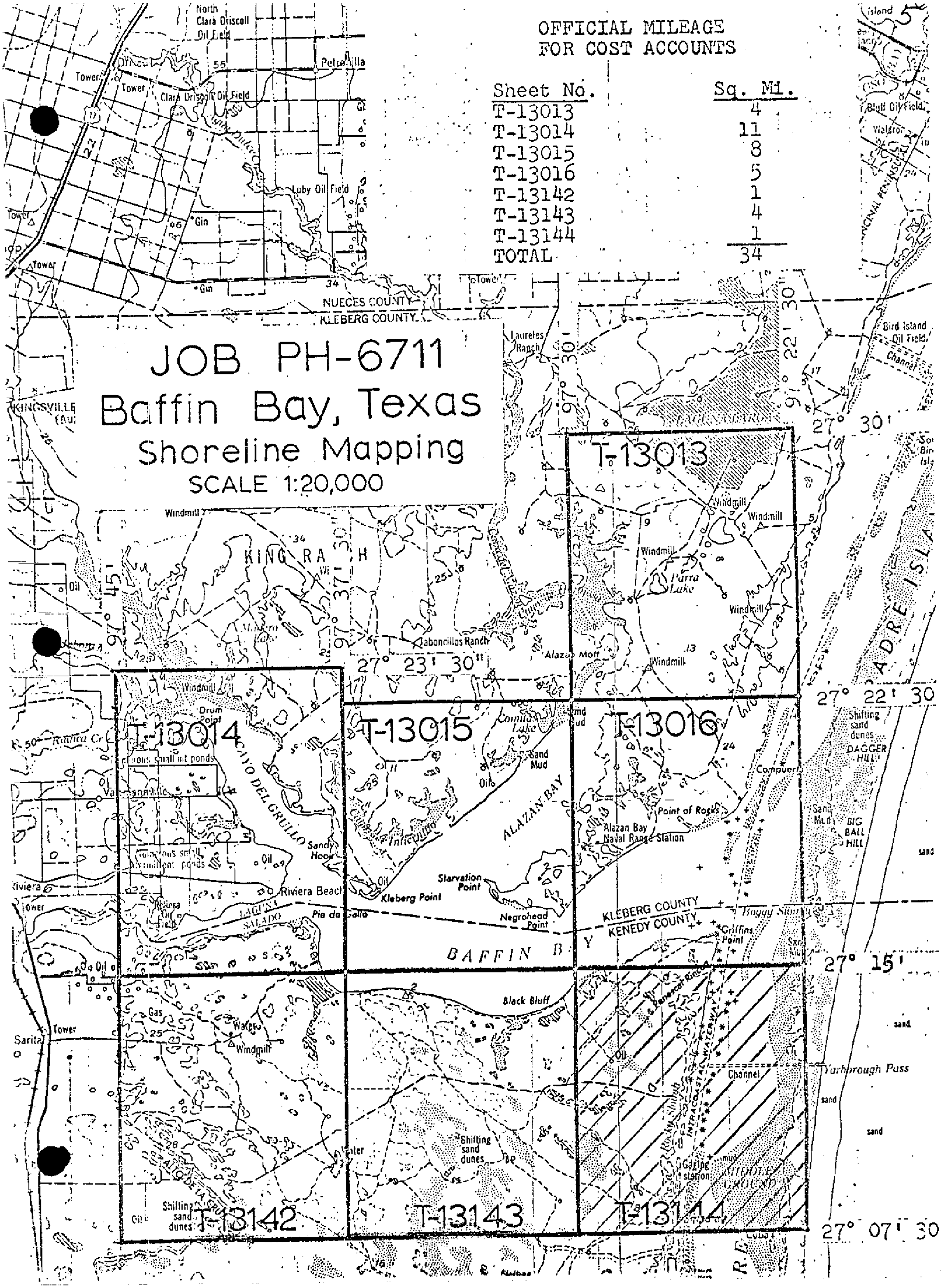
T-13144

COMPILATION RECORD	COMPLETION DATE	REMARKS
Alongshore Area for Hydro	October 1967	Superseded
Field Edit applied	March 1968	Superseded
Revisions from Final Review	July 1969	

OFFICIAL MILEAGE
FOR COST ACCOUNTS

Sheet No.	Sq. Mi.
T-13013	4
T-13014	11
T-13015	8
T-13016	5
T-13142	1
T-13143	4
T-13144	1
TOTAL	34

JOB PH-6711
Baffin Bay, Texas
Shoreline Mapping
SCALE 1:20,000



SUMMARY TO ACCOMPANY
DESCRIPTIVE REPORT T-13144

Shoreline manuscript T-13144 is one of seven 1:20,000 scale maps that comprise PH-6711. These maps are for the area of Baffin Bay, Texas, and that part of Laguna Madre at the entrance to Baffin Bay. The sketch on page 5 of this report shows the position of T-13144 in PH-6711.

This is a stereo-instrument job in advance of hydrographic surveys of the area. There was no field inspection; field work preceding compilation consisted of locating and marking control before photography. An analytic bridge was run in the Washington Office using 1:60,000 RC-9 photography of March 25, 1967, from which pass points were identified and located for controlling the compilation photographs.

Color photographs at 1:40,000 scale were flown on March 25, 1967 with RC-8 camera (L); from which black and white diapositives were made for instrument compilation, with ratio color prints furnished for photo-hydro, and ratio black and white prints for field edit. Infra-red 1:40,000 scale photographs were flown on March 26, 1967 with the RC-8 camera (L); from which ratio cronapaque prints were furnished for compilation of the mean high water line, and subsequently for photo-hydro support.

The map was field edited in March 1968. Field edit was done on an ozalid print, a cronaflex positive, and field edit ratio photo 67-L-456.

The map was scribed and stuck-up after applying the field edit.

Final review was done at the Atlantic Marine Center during July 1969.

The compilation manuscript was a vinylite sheet 7 minutes and 30 seconds in latitude and longitude; however, photographic coverage limited delineation to the area north of latitude 29° 13'. The smooth manuscript is on cronaflex for registry and record after final review.

FIELD INSPECTION REPORT
JOB PH-6711
T-13144

There was no field inspection prior to compilation.

REPORT ON PRE-MARKING FOR
SHORELINE MAPPING OF
BAFFIN BAY, TEXAS
JOB PH-6711

Pre-marking of twelve horizontal control stations for shoreline mapping of Baffin Bay, Texas, was done in accordance with project instructions dated February 7, 1967.

Nine stations were marked by 12 foot square white plastic panels pointed out by two 3 foot by 24 foot wings, as in array no. 3 in the instructions. Two or three of these stations differ significantly from the standard array due to terrain conditions at the station sites. These differences are adequately pointed out on the C S I Cards.

Three stations were marked by 12 foot equilateral triangles with three 3 by 24 foot wings pointing them out. These targets are composed of whitewash.

Six of the control stations were marked by placing the center panel directly over the station, or as in the case of SALT 1912, over one of the reference marks.

It was necessary to re-locate six of targets, due either to terrain conditions, or the fact that the stations were outside the flight lines. The following stations were marked direct:

LOS OLMOS 1949 - MAP (west of) T-13142 Line 60-1
CRAWFORD 2, 1912 - MAP T-13143 Line 60-1
SALT, 1912 - MAP T-13144 Line 60-1 REFERENCE MARK
TANQUES DE LUIS WINDMILL, 1949 - MAP T-13013 Line 60-3
GRULLO, 1949 - MAP T-13014 Line 60-3
MIDWEST, 1939 - MAP (east of) T-13013 Line 60-3

Station SALT, 1912 reference mark was substituted for GRIFFUTS POINT 4, 1949. TANQUES DE LUIS WINDMILL, 1949 was used in lieu of moving or relocating a target from ROX, 1912, which was indicated on the project diagram.

The targets for the following stations were relocated:

KENEDY RANCH WATER TANK 1931 MAP T-13142 Line 60-1
METHOD: Eccentric occupation - sun azimuth and distance.
PENESCAL 2, 1912 MAP T-13144 LINE 60-1
METHOD: Triangulation, with two measured bases.
KLEBERG 2, 1949 MAP northwest of T-13014 LINE 60-3
METHOD: Eccentric occupation - Sun azimuth and distance.

PORTALES, 1949 MAP north of T-13014 LINE 60-3
METHOD: 2 point fix with three stations occupied.
HINDJOSO, 1949 MAP T-13013 LINE 60-3
METHOD: Angle and distance.
UNION, 1939 MAP east of T-13016 LINE 60-1
METHOD: Triangulation, w/measured base, sun azimuth and check azimuth.

All stations were marked and ready for photography on March 13, 1967 as per instructions. An additional week was needed to complete locations. Photography was flown on March 26, 1967.

No special problems were encountered. The landowners and/or managers were most cooperative and provided a lot of welcome assistance in recovering various stations. Special appreciation is extended to the National Park Service for the aid rendered in reaching the stations on Padre Island.

Many area residents state that they are looking forward, with expectations, to its issue of the new charts.

Distances were measured with a standardized steel tape using 20 lbs tension. Angular measurements were made with a wild T-2 theodolite. Four positions of the circle were used. Field computations were made where indicated.

Richard E. Kesselring

Richard E. Kesselring
Surveying Technician

Approved and forwarded
Joseph K. Wilson
Chief Photo Party 62
4/5/67

PHOTOGRAMMETRIC PLOT REPORT
Job PH-6711
Baffin Bay, Texas

July 19, 1967

21. Area Covered

This report covers Baffin Bay, Texas, consisting of seven (7) 1:20,000 scale T-sheets, T-13013 thru T-13016 and T-13142 thru T-13144.

22. Method

Analytic aerotriangulation methods were used to bridge three strips of 1:60,000 scale panchromatic photography, taken with the RC-9, "M" camera. Common tie points were dropped from Strips 1 and 3 to control Strip 2.

Furthermore, points were measured on the bridging photography common with the 1:40,000 scale compilation "L" photography. The compilation photography consists of black and white diapositives printed from color film.

The attached sketch of the strips bridged shows the placement of triangulation furnished and those that were used in the final strip adjustment. Closures to control have been tabulated. State plane coordinates (Texas South Zone) have been furnished for all bridge points on the IBM readout.

23. Adequacy of Control

All horizontal control was premarked with white panels and no difficulty was encountered with the identification.

Although no control was available for Strip 2, tie points from Strips 1 and 3 were used in the adjustment of Strip 2 and is believed adequate.

Vertical control needed for the adjustment was taken from USGS quadrangles.

25. Photography

The definition and quality of the "M" photography was good. Photo coverage is inadequate to compile the southern half of T-13144.

In addition to the color photography, several strips of 1:40,000 scale infrared photography were flown and ratios were made to compilation scale along with the color photography on black and white base.

Because of the large water area it may be difficult to set models 67-L-452-453 and 453-454; therefore, in order to compile part of the shoreline on T-13143, several shoreline points were measured and identified on ratio prints 67-L-470R, 471R and 472R. It will be possible to compile this stretch of shoreline graphically, if unable to set the above models.

Respectfully submitted,

I. I. Saperstein

Approved and forwarded,

Henry P. Eichert
Acting Chief
Aerotriangulation Section

BAFFIN BAY, TEXAS
Fit to Control (feet)

STRIP 1

		x	y
1.	KLEBERG 2, 1949 subpoint	-0.4	-1.2
2.	CRULLO, 1949	+0.2	+2.4
3.	PORTALES, 1949 subpoint	-3.9	+1.6
4.	HINDJOSO, 1949 subpoint	0.0	-1.9
5.	TANQUES DE LUIS WINDMILL, 1949	+1.2	-1.9
6.	MIDWEST, 1939	0.0	+0.7

STRIP 2

18801	-4.4	- 2.9
18802	-5.2	- 6.6
18803	-1.2	+ 1.1
18804	-0.9	- 1.4
20801	+0.5	- 1.9
20802	+4.7	- 0.7
20803	+1.7	+13.0
22801	+2.6	- 1.1
22802	-1.6	- 8.0
25801	-2.3	+ 2.5
25802	-0.4	+ 2.6
25803	+0.9	- 0.1
25804	-2.9	- 3.7

STRIP 3

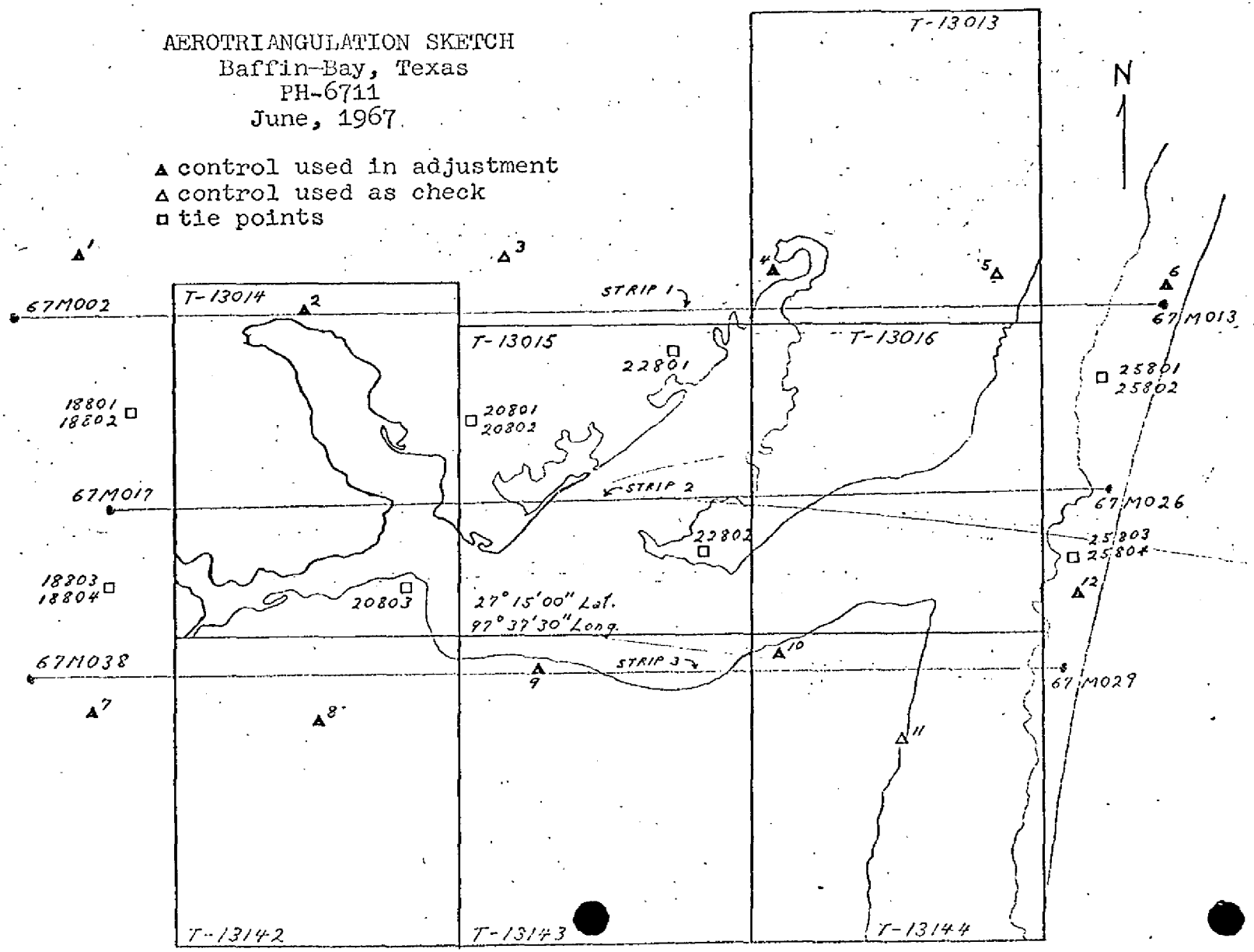
7.	LOS OLMOS, 1949	-0.3	-0.3
8.	KENEDY RANCH WATER TANK, 1931 subpoint	-0.5	+1.9
9.	CRAWFORD 2, 1912	-0.7	-3.7

BAFFIN BAY, TEXAS, Fit to Control, cont.
STRIP 3

		x	y
10.	PENESCAL 2, 1912 subpoint	+0.6	+2.7
11.	SALT RM, 1912	-1.8	+2.8
12.	UNION, 1939 subpoint	-0.2	-0.6

AEROTRIANGULATION SKETCH
Baffin-Bay, Texas
PH-6711
June, 1967

▲ control used in adjustment
△ control used as check
□ tie points



ORM 164
4-23-54)

U.S. DEPARTMENT OF COMMERCE — COAST AND GEODETIC SURVEY
DESCRIPTIVE REPORT — CONTROL RECORD

MAP T- 13144 PROJECT NO. PH-6711 SCALE OF MAP 1:20,000 SCALE FACTOR None

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR y-COORDINATE / LONGITUDE OR x-COORDINATE	DISTANCE FROM GRID IN FEET. OR PROJECTION LINE IN METERS FORWARD	(BACK)	DATUM CORRECTION	N.A. 1927 - DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS FORWARD	(BACK)	FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS FORWARD	(BACK)
	G.P. Vol. 5	N.A.	27° 12' 29.710" ✓	914.4 ✓	(932.3) ✓					
SALT, 1912	Pg. 146	1927	97° 26' 01.717" ✓	47.3 ✓	(1603.9) ✓					
	"	"	27° 14' 45.801" ✓	1409.7 ✓	(437.0) ✓					
PENESCAL 2, 1912	Pg. 121	"	97° 29' 40.918" ✓	1125.7 ✓	(525.0) ✓					

1 FT. = .3048006 METER

COMPUTED BY: A. C. Rauck, Jr. DATE July 12, 1967 CHECKED BY: C. H. Bishop DATE July 14, 1967

COMM-DC-57843

COMPILATION REPORT
T-13144

31. DELINEATION:

The Kelsh Plotter was used to delineate the details. Photography was adequate.

32. CONTROL:

See Photogrammetric Plot Report.

33. SUPPLEMENTAL DATA:

None

34. CONTOURS AND DRAINAGE:

Contours are inapplicable.

Drainage was delineated from office interpretation of the photographs.

35. SHORELINE AND ALONGSHORE DETAILS:

The shoreline, shoals and low water line was delineated from office interpretation of the photographs.

36. OFFSHORE DETAILS:

No statement.

37. LANDMARKS AND AIDS:

One aid to navigation was located and Form 567 was submitted April 1968.

38. CONTROL FOR FUTURE SURVEYS:

None

39. JUNCTIONS:

A satisfactory junction was made with T-13016 to the north and T-13143 west. There is no contempoary survey to the south and east.

40. HORIZONTAL AND VERTICAL ACCURACY:

No statement.

46. COMPARISON WITH EXISTING MAPS:

Comparison was made with USGS quad YARBOROUGH PASS, TEXAS, scale 1:24,000, dated 1952.

47. COMPARISON WITH NAUTICAL CHARTS:

Comparison was made with C&GS Chart 894, (Laguna Madre, Dagger Hill to Potrero Grande), scale 1:40,000 and dated April 17, 1967. Numerous submerged rocks shown on chart exist but could not be seen on the photographs.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY:

None

ITEMS TO BE CARRIED FORWARD:

None

Approved and forwarded:

For P. A. Stark
J. Bull, RADM, USESSA
Director, Atlantic Marine Center

Submitted:

L. L. Graves
L. L. Graves
Cartographic Technician

18.

May 11, 1967

48: GEOGRAPHIC NAMES
FINAL NAME SHEET

PH-6711 (Baffin Bay, Texas)
T-13144

/ Baffin Bay
* Carnestolendas Ranch
* Carnestolendas Well
/ Intracoastal Waterway
/ Laguna Madre
* Maria Petra Well
* Middle Ground
* Mota Casa
* Mota Negra
/ Padre Island
/ Penascal Rincon
* Perez Well
** Picacho Nuevo Well
* Potrero de los Caballos
* Richards Artesian Well
* Rocky Slough

* Not used, not delineated, beyond limits of photo coverage.
** " " , beyond delineation limits for shoreline survey.

Approved by:

A. J. Wraight

A. Joseph Wraight
Chief Geographer

Prepared by:

Frank W. Pickett

Frank W. Pickett
Cartographic Technician

T- 13144

49. NOTES FOR THE HYDROGRAPHER

Predicted tide table indicate a range of tide within these surveys of less than one-half foot. The MHWL was compiled from infrared photos believed to be at or near MHW, but occasional measurements from identifiable photo points to the MHWL should be made to verify the compilation.

The USGS Quadrangle maps indicate many of the foreshore areas as occasionally inundated. Verify and/or correct the compilation of the MHWL as regards this inundation.

There was no field inspection prior to compilation.

FORM C&GS-1002
(9-66)

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

PHOTOGRAMMETRIC OFFICE REVIEW

T-13144

1. PROJECTION AND GRIDS	2. TITLE	3. MANUSCRIPT NUMBERS	4. MANUSCRIPT SIZE
RJP	RJP	RJP	RJP

CONTROL STATIONS

5. HORIZONTAL CONTROL STATIONS OF THIRD-ORDER OR HIGHER ACCURACY	6. RECOVERABLE HORIZONTAL STATIONS OF LESS THAN THIRD-ORDER ACCURACY *(Topographic stations)*	7. PHOTO HYDRO STATIONS
RJP	RJP	X

8. BENCH MARKS	9. PLOTTING OF SEXTANT FIXES	10. PHOTOGRAMMETRIC PLOT REPORT	11. DETAIL POINTS
X	X	Bridge (W.O.)	Kelsh

ALONGSHORE AREAS *(Nautical Chart Data)*

12. SHORELINE	13. LOW-WATER LINE	14. ROCKS, SHOALS, ETC.	15. BRIDGES
RJP	RJP	RJP	X

16. AIDS TO NAVIGATION	17. LANDMARKS	18. OTHER ALONGSHORE PHYSICAL FEATURES	19. OTHER ALONGSHORE CULTURAL FEATURES
RJP	X	RJP	RJP

PHYSICAL FEATURES

20. WATER FEATURES	21. NATURAL GROUND COVER	22. PLANETABLE CONTOURS
RJP	X	X

23. STEREOSCOPIC INSTRUMENT CONTOURS	24. CONTOURS IN GENERAL	25. SPOT ELEVATIONS	26. OTHER PHYSICAL FEATURES
X	X	X	X

CULTURAL FEATURES

27. ROADS	28. BUILDINGS	29. RAILROADS	30. OTHER CULTURAL FEATURES
RJP	RJP	X	X

BOUNDARIES

31. BOUNDARY LINES	32. PUBLIC LAND LINES
X	X

MISCELLANEOUS

33. GEOGRAPHIC NAMES	34. JUNCTIONS	35. LEGIBILITY OF THE MANUSCRIPT
RJP	RJP	RJP

36. DISCREPANCY OVERLAY	37. DESCRIPTIVE REPORT	38. FIELD INSPECTION PHOTOGRAPHS	39. FORMS
RJP	RJP	X	RJP

40. REVIEWER		SUPERVISOR, REVIEW SECTION OR UNIT
R. J. Pate	10-20-67	A. C. Rauck, Jr.

41. REMARKS *(See attached sheet)*

FIELD COMPLETION ADDITIONS AND CORRECTIONS TO THE MANUSCRIPT

42. Additions and corrections furnished by the field completion survey have been applied to the manuscript. The manuscript is now complete except as noted under item 43.

COMPILER		SUPERVISOR
	L. L. Graves 3/29/68	
Reviewed by:	R. E. Smith 4/1/68	A. C. Rauck, Jr.

43. REMARKS

Field Edit applied from Field Edit Ozalid, ~~and~~ Field Edit Cronaflex, and Field edit ratio photo 67-L-456

FIELD EDIT REPORT
BAFFIN BAY, TEXAS
PH-6711

GENERAL NOTES

This report is submitted for seven (7) sheets, field edited March 4 through March 15, 1968.

All field edit notes were made in violet ink on the discrepancy prints and were referenced to photographs.

52 ADEQUACY OF COMPILATION

The compilation of buildings, roads and trails, flood areas, and all shoreline features appeared to be good. Location of rocks compiled was found to be very good. Most piers compiled are now in ruins.

54 RECOMMENDATIONS

NONE

56 ROCKS

All rocks in question were verified and noted on the discrepancy print. These rocks are a marine growth formed from worms and shells; this hard substance is locally known as wormrock. Therefore very few rocks bare; only one area, Pt. Penascal, that these rocks bare one to two feet. One rock was located at the edge of the Intracoastal Waterway. This rock is very near the edge of the channel, and just south of Light 115. It was located by sextant fix and plotted on the cronaflex copy (sheet T-13016).

A sextant fix was taken on rocks awash at Point Penescal; this is a rocky area that extends north from rocks that bare at Pt. Penascal.

There are many submerged rocks in Baffin Bay. These rocks should be located by the Hydro Party, for they would be very difficult to find by random searching.

57 WELLS AND PIPELINES

All wells were located from the photos except one; it was located by intersection method. Numerous pipelines at the head of CAYO DEL GRULLO were not shown. This water is mostly too shallow for navigation. Two wells have no pipelines running from them. The location of wells and pipelines are noted on photos 67-430, 448, and 449.

58 LANDMARK BUILDINGS AND BLUFFS

Compilation of this feature is good. It is recommended that most all buildings be charted as there are so few in the area. Deletions are shown on the discrepancy sheet and additions are on photos 67-410, 426, 434, 448, and 449.

There are very few Bluffs; ones recommended for charting are noted on photos 67-399, 429, 430, 434, and 452.

59 BOAT RAMPS AND MHW DISTANCES

There are only three (3) boat ramps in the Bay at present. they are noted on the discrepancy sheet and referenced to photos.

There is no evidence of any change in the MHWL since photography. Several places were visually checked, and a few distances were taped; these are shown on photos 67-399, 426, 429, 430, 432, 452, and 456.

60 NAUTICAL AIDS AND LANDMARKS

There are numerous Lights, Piles, and Platforms along the Intracoastal Waterway. These were located by radial plots, excepting two Daybeacons and several pile which were located by sextamt fix and plotted directly on the cronaflex copy.

There are 37 new daybeacons in sheets T-13014, 15, and 16; these were located by intersection method. Corner and end daybeacons were checked with a no-check coordinate position and scaled on the cronaflex copy. These are a single pile about 15 or 16 feet above the water with a red triangle at the top with reflective numbers.

There are only a few nautical landmarks consisting mainly of Windmills, and one Tower. These were used as photo-hydro stations, and were ploted directly on the cronaflex copy with the height and year.

All field edit notes are in violet ink, and are found on the following photos: 67-399, 410, 426, 429, 430, 432, 434, 448, 449, 452, and 456.

Forms 567 submitted in duplicate for all aids and naut. landmarks.

18 March 1968
Submitted by:

E W Hartford

E. W. Hartford
Surveying Technician

FORM C&GS-567
(5-66)

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

NONFLOATING AIDS ~~OR LANDMARKS~~ FOR CHARTS

TO BE CHARTED
~~TO BE REVISED~~
~~TO BE DELETED~~
} STRIKE OUT TWO

Atlantic Marine Center April 1 1968

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

The positions given have been checked after listing by L L Graves

L. L. Graves

For J. Bull, RADM, USESSA
Director, AMC
Chief of Party.

Intra-Coastal Waterway

STATE	TEXAS		POSITION					METHOD OF LOCATION AND SURVEY NO.	DATE OF LOCATION	HARBOR CHART	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTED
			LATITUDE*		LONGITUDE*								
CHARTING NAME	DESCRIPTION	SIGNAL NAME	° ′	″ D.M. METERS	° ′	″ D.P. METERS	DATUM						
	CORPUS CHRISTI PORT ISABEL							T-13144					
				24.46		04.36	N.A.	~~T-13013~~					
Light 139			37 14	753	97 25	120	1927	Photo	3-1-68				x 894

27 See page 25 for Form 567

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

USCOMM-DC 36485-P66

REVIEW REPORT T-13144
SHORELINE
JULY 1969

61. GENERAL STATEMENT

See Summary on page 6 of this Descriptive Report.

An ozalid Comparison Print (pages Z6 through Z8), which shows the differences noted in items 62, 64, and 65, is included with the original of this report.

62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS:

Registered Survey T-9201; 1:20,000; Field Completion 1952.

The T-9201 differences with T-13144 are shown on the Comparison Print in blue.

The largest shoreline difference is near 27° 14.8', 97° 29.4', page Z6, where there appears to be drifting sand that has apparently moved northwestward since T-9201 was compiled.

There are smaller changes in the shorelines fronting Laguna Madre, pages Z7 and Z8.

Light 151, 27° 12.9', 97° 25.4', page Z7, on T-9201, was not located by the field editor, and was beyond the compilation limits of the photography.

There is a slight change in the position of Light 139, 27° 14.4', 97° 25.1', page Z7, since 1952.

T-13144 supersedes the previously registered survey for nautical chart construction.

63. COMPARISON WITH MAPS OF OTHER AGENCIES

USGS Quad YARBOROUGH PASS, TEXAS: 1:24,000, Field check 1952.

The quadrangle is a reduction of T-9201, see Item 62, and the same comparison applies.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS

H-9005 (745-20-2-68); 1:20,000; 1968

Only the mylar overlay for H-9005 is available, the boat sheet was lost when a launch sank; and the overlay indicates work in the northwest part of T-13144, but none in Laguna Madre. There is no other contemporary hydrographic survey in the area.

H-9005 overlay shows a rock awash, near 27° 14.85, 97° 30', page 26, that is not visible on the photographs and was not noted by the field editor. The rock is shown in green on the Comparison Print.

65. COMPARISON WITH NAUTICAL CHARTS:

Chart 894; 1:40,000; 2nd Edition, April 17, 1967.

Projector comparison reveals that Registered Survey T-9201 was the source of planimetry, and the same differences apply.

The chart shows numerous submerged rocks and rocks awash that are not on T-13144, see page 27 . They were not identifiable on the photographs, and though they were not located by the field editor, he did check for their existence, using a section of chart 894 to classify them. The Chart section is stapled to the field edit ozalid for T-13144. The rocks were not compiled on T-13144 from the chart section because the chart scale is 1:40,000, and this map is 1:20,000, but appropriate notes were made on the Comparison Print (page 27).

Che Chart differences with T-13144 are on the comparison print in red.

The chart shows several piles along the Intracoastal Waterway that are not on T-13144, see page 27. Please see paragraph 1 of Item 60 of the Field Edit Report, which indicates that all the visible piles, platforms and lights were located during edit; these are on T-13144.

66. ADEQUACY OF RESULTS AND FUTURE SURVEYS:

This survey complies with the Job Instructions, Bureau requirements, and the National Standards for Map Accuracy. No accuracy tests were run in the field.

Reviewed by:

M. M. Starney

Approved by:

Allen L. Powell

Allen L. Powell, RAD, USESSA
Director, Atlantic Marine Center

Approved by:

Chief, ~~Cartographic~~ Photogrammetric Branch JAG

R K Houlder

Chief, Photogrammetry Division

~~Chief~~, Chart Division

~~Chief, Operations Division~~

C&GS FORM 567
(11-61)

U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

NONFLOATING AIDS OR LANDMARKS FOR CHARTS

~~TO BE CHARTED~~
TO BE REVISED
~~TO BE DELETED~~
} STRIKE OUT TWO

Atlantic Marine Center, August 7, 1969

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 M. M. Slavney

Allen L. Powell, RADM, USESSA
Director, AMC — *Chief of Party*

STATE: TEXAS

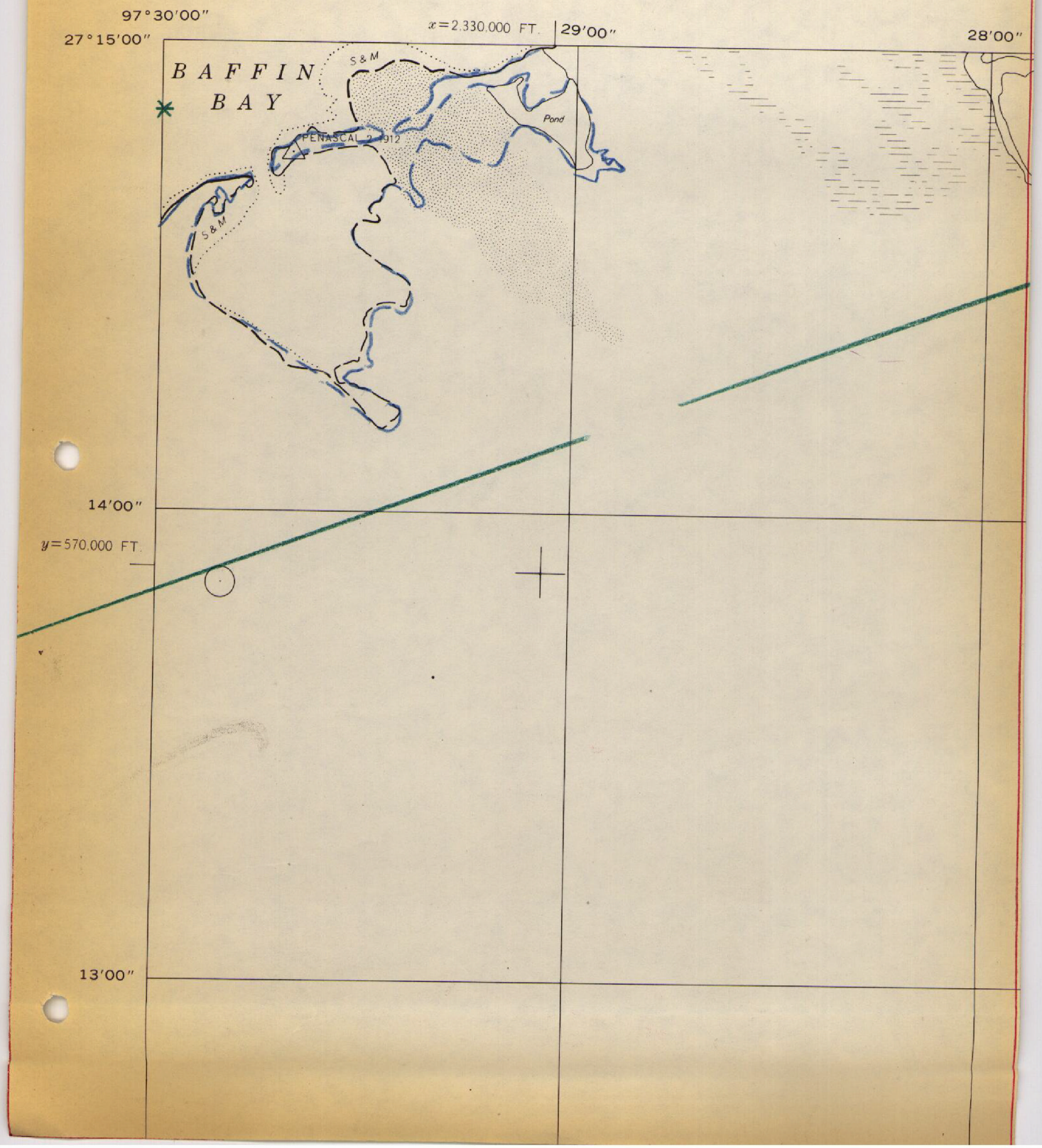
CHARTING NAME	DESCRIPTION	SIGNAL NAME	POSITION LATITUDE* ° ′	LATITUDE* ″ D.M. METERS	LONGITUDE* ° ′	LONGITUDE* ″ D.P. METERS	DATUM	METHOD OF LOCATION AND SURVEY NO.	DATE OF LOCATION	HARBOR CHART	INSHORE CHART	OFFSHORE CHART	5/27/69 Corrected	CHARTS AFFECTED
	INTRACOASTAL WATERWAY													
LIGHT 139	CORPUS CHRISTI - PORT ISABEL		27 14	24.46 753	97 25	04.36 120	NA 1927	Photo T-13144	Mar 1968				x	894

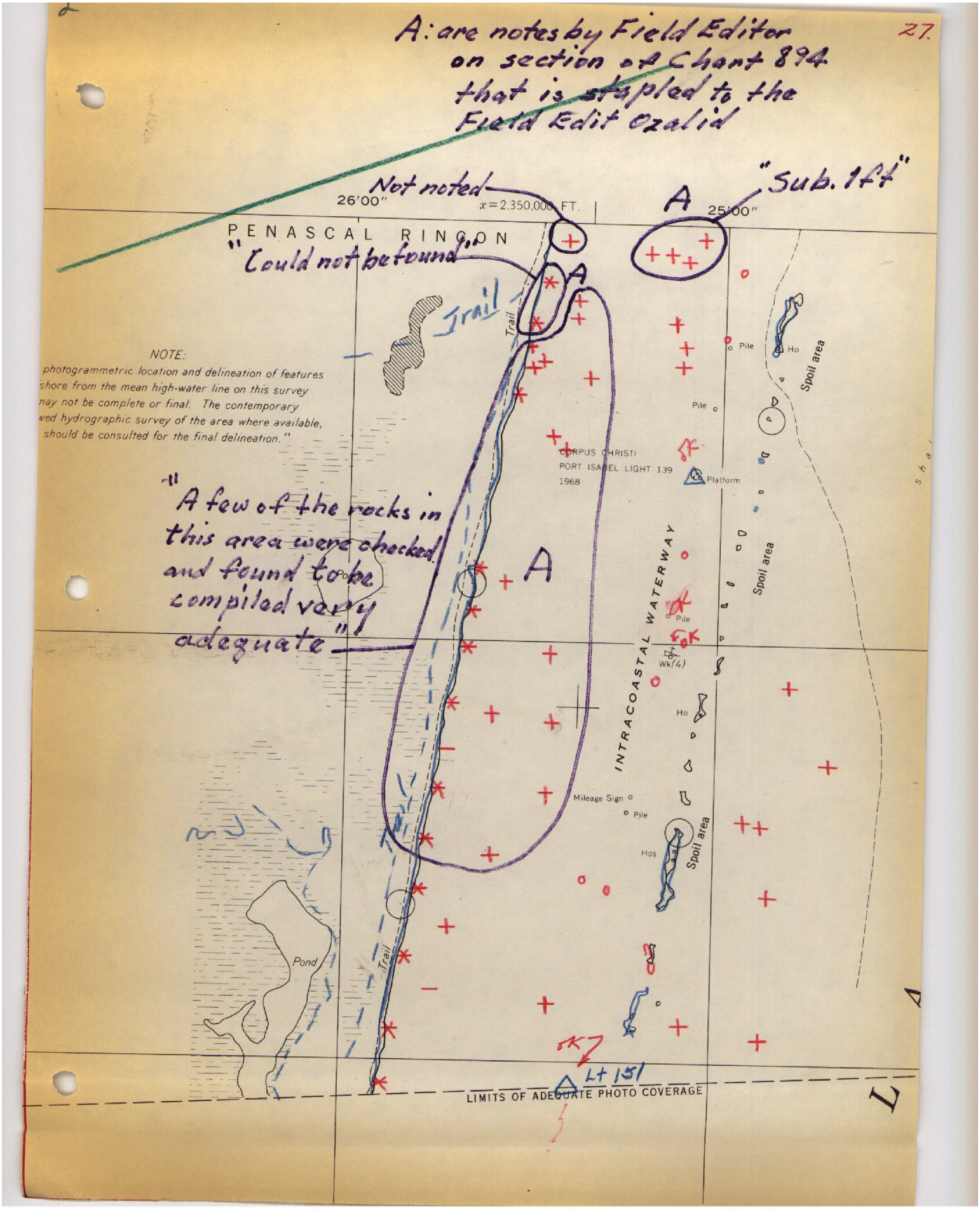
This form shall be prepared in accordance with Hydrographic Manual, Publication 20.2, Sec. 1-55, 2-39, 6-36, 7-18 to 22 inclusive, and Fig. 79. Positions of charted landmarks and *nonfloating aids* to navigation, if redetermined, shall be reported on this form. Revisions shall show both the old and new 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

USCOMM-DC 16234-P61

25


97°30'00"
27°15'00"
x=2,330,000 FT.
29'00"
28'00"
BAFFIN
BAY
S&M
Pond
PENASCAL 2 1912
S&M
14'00"
y=570,000 FT.
13'00"


A: are notes by Field Editor on section of Chart 894 that is stapled to the Field Edit ozalid
27.
Not noted
"Sub. 147"
26'00"
x = 2,350,000 FT.
25'00"
A
PENASCAL RINCON
"Could not be found"
Trail
NOTE:
photogrammetric location and delineation of features
shore from the mean high-water line on this survey
may not be complete or final. The contemporary
wed hydrographic survey of the area where available,
should be consulted for the final delineation."
"A few of the rocks in this area were checked and found to be compiled very adequate"
CORPUS CHRISTI
PORT ISABEL LIGHT 139
1968
Platform
Pile
Ho
Spoil area
INTRACOASTAL WATERWAY
Mileage Sign
Hos
Pond
Lt 151
LIMITS OF ADEQUATE PHOTO COVERAGE


24'00"
x = 2,360,000 FT.
23'00"
97°22'30"
27°15'00"
Spoil
sand & mud
sand & mud
sand & mud
shallow
shallow
GUNNADRE
PADRE ISLAND
14'00"
y = 570,000 FT.
13'00"

NOTES TO VERIFIER
T-13144, Job PH-6711
BOAT SHEET NO. H-9005 (745-20-2-68)

Please refer to Item 64 and page 26 of the final review report.