

13013

13013

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-13013

LOCALITY

State Texas

General locality Baffin Bay

Locality Alazan Mott

19.67 - 68

CHIEF OF PARTY

J. Bull. RADM, Director, Atlantic Marine Center

LIBRARY & ARCHIVES

DATE \_\_\_\_\_

DESCRIPTIVE REPORT - DATA RECORD

T - 13013

PROJECT NO. (II):

PH-6711

FIELD OFFICE (II):

None

CHIEF OF PARTY

PHOTOGRAMMETRIC OFFICE (III):

Atlantic Marine Center

OFFICER-IN-CHARGE

J. Bull, RADM, USESSA - Director

INSTRUCTIONS DATED (III) (III):

FIELD  
AEROTRIANGULATION  
OFFICE COMPILATION

February 7, 1967  
May 18, 1967  
June 29, 1967

METHOD OF COMPILATION (III):

Kelsh Stereo-Plotter

MANUSCRIPT SCALE (III):

1:20,000

STEREOSCOPIC PLOTTING INSTRUMENT SCALE (III):

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):

~~MEAN LOW WATER~~ <sup>MLW</sup> EXCEPT AS FOLLOWS:  
Elevations shown as (25) refer to mean high water  
Elevations shown as (5) refer to sounding datum  
i.e., mean low water ~~MEAN LOW WATER~~

REFERENCE STATION (III):

SORDO, 1939 ✓

LAT.:

27° 25' 04.547" 1140.0M ✓

LONG.:

97° 23' 24.938" 685.0M ✓

ADJUSTED  
 UNADJUSTED

PLANE COORDINATES (IV):

y = 638,126.31 ft. ✓

x = 2,360,002.37 ft. ✓

STATE

Texas ✓

ZONE

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.

DESCRIPTIVE REPORT - DATA RECORD

FIELD INSPECTION BY (III):  <b>None*</b>		DATE:
MEAN HIGH WATER LOCATION (III) (STATE DATE AND METHOD OF LOCATION):  <b>Air Photo Compilation - March 25 &amp; 26, 1967</b>		
PROJECTION AND GRIDS RULED BY (IV):  <b>A. E. Roundtree</b>		DATE <b>May 5, 1967</b>
PROJECTION AND GRIDS CHECKED BY (IV):  <b>L. F. Van Scoy</b>		DATE <b>May 10, 1967</b>
CONTROL PLOTTED BY (III):  <b>L. O. Neterer</b>		DATE <b>July 18, 1967</b>
CONTROL CHECKED BY (III):  <b>F. P. Margiotta</b>		DATE <b>July 18, 1967</b>
RADIAL PLOT OR STEREOSCOPIC CONTROL EXTENSION BY (III):  <b>I. I. Saperstein</b>		DATE <b>July 19, 1967</b>
STEREOSCOPIC INSTRUMENT COMPILATION (III):  <b>Kelsh Plotter</b>	PLANIMETRY  <b>W. S. Davis</b> <b>Reviewed by: A. L. Shands</b>	DATE <b>Aug. 19, 1967</b> <b>Aug. 19, 1967</b>
	CONTOURS  <b>Inapplicable</b>	DATE
MANUSCRIPT DELINEATED BY (III):  <b>C. Blood</b>		DATE <b>Sept. 22, 1967</b>
SCRIBING BY (III):  <b>R. White</b>		DATE <b>May 9, 1968</b>
PHOTOGRAMMETRIC OFFICE REVIEW BY (III): <b>COMPILATION: R. J. Pate</b> <b>FIELD EDIT: R. E. Smith</b> <b>SCRIBING &amp; STICK UP: R. E. Smith</b>		DATE <b>Sept. 26, 1967</b> <b>April 3, 1968</b> <b>May 2, 1968</b>

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

**\*Refer to "Pre-Marking Report" attached.**

DESCRIPTIVE REPORT - DATA RECORD

CAMERA (KIND OR SOURCE) (III):

USC&GS Type "L" *Wild RC-8*

PHOTOGRAPHS (III)

NUMBER	DATE	TIME	SCALE	STAGE OF TIDE
67L-514R thru 517R	3-26-67	1223	1:40,000	*See Remarks
<i>67L-407 thru 411</i>	<i>3-25-67</i>	<i>1510</i>	<i>1:40,000</i>	<i>" "</i>

\* PREDICTED TIDE (III)

	RATIO OF RANGES	MEAN RANGE	SPRING RANGE
REFERENCE STATION: Galveston, Texas *	--	--	--
BORDINATE STATION: Aransas Pass *	--	--	--
SUBORDINATE STATION:			

WASHINGTON OFFICE REVIEW BY *Atlantic Marine Center* *Th. W. Slaney* DATE: *MAY 1969*  
*M. M. SLAYNEY*

PROOF EDIT BY (IV): DATE:

NUMBER OF TRIANGULATION STATIONS SEARCHED FOR (II):	5	RECOVERED:	5	IDENTIFIED:	3
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:  
  
\* Refer to No. 3301, page 240, 1967 Tide Table. Diurnal Tide. Inside bay areas have a Mean range of tide of less than  $\frac{1}{2}$  foot.

T-13013

COMPILATION RECORD	COMPLETION DATE	REMARKS
Alongshore Area for Hydro	September 1967	Superseded
Field Edit applied	March 1968	<i>Superseded</i>
<i>Final Review</i>	<i>May 1969</i>	

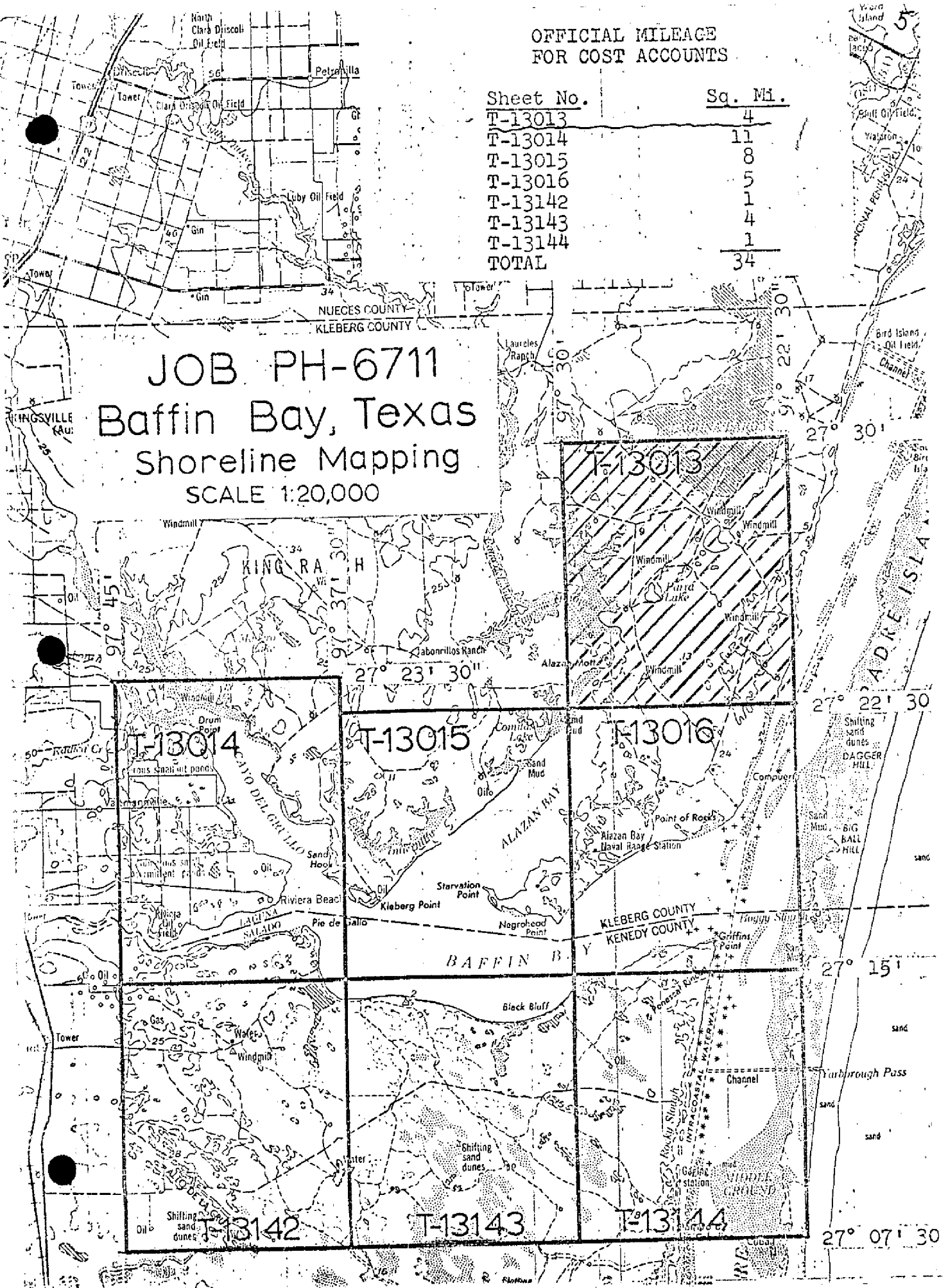
OFFICIAL MILEAGE  
FOR COST ACCOUNTS

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
<b>TOTAL</b>	<b>34</b>

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



6.

SUMMARY TO ACCOMPANY  
DESCRIPTIVE REPORT T-13013

Shoreline manuscript T-13013 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-13013 in Ph-6711. Compilation of T-13013 was limited to the southern third of the projection by photographic coverage.

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(M) 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, and 26, 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 cronopaque 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. It is noted that the field editor used the marginal area of T-13016 to locate two (and mark) windmills that actually fall within the limits of T-13013. The map was scribed and stuck-up after applying the field edit.

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

The Compilation manuscript was a vinylite sheet 7 minutes and 30 seconds in latitude and longitude. The smooth manuscript is on cronaflex for registry and record after final review.

FIELD INSPECTION REPORT

PH-6711

~~T-13031~~

T-13013

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 white-wash.

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*  
I. I. Saperstein

Approved and forwarded,

*Henry P. Eichert*

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

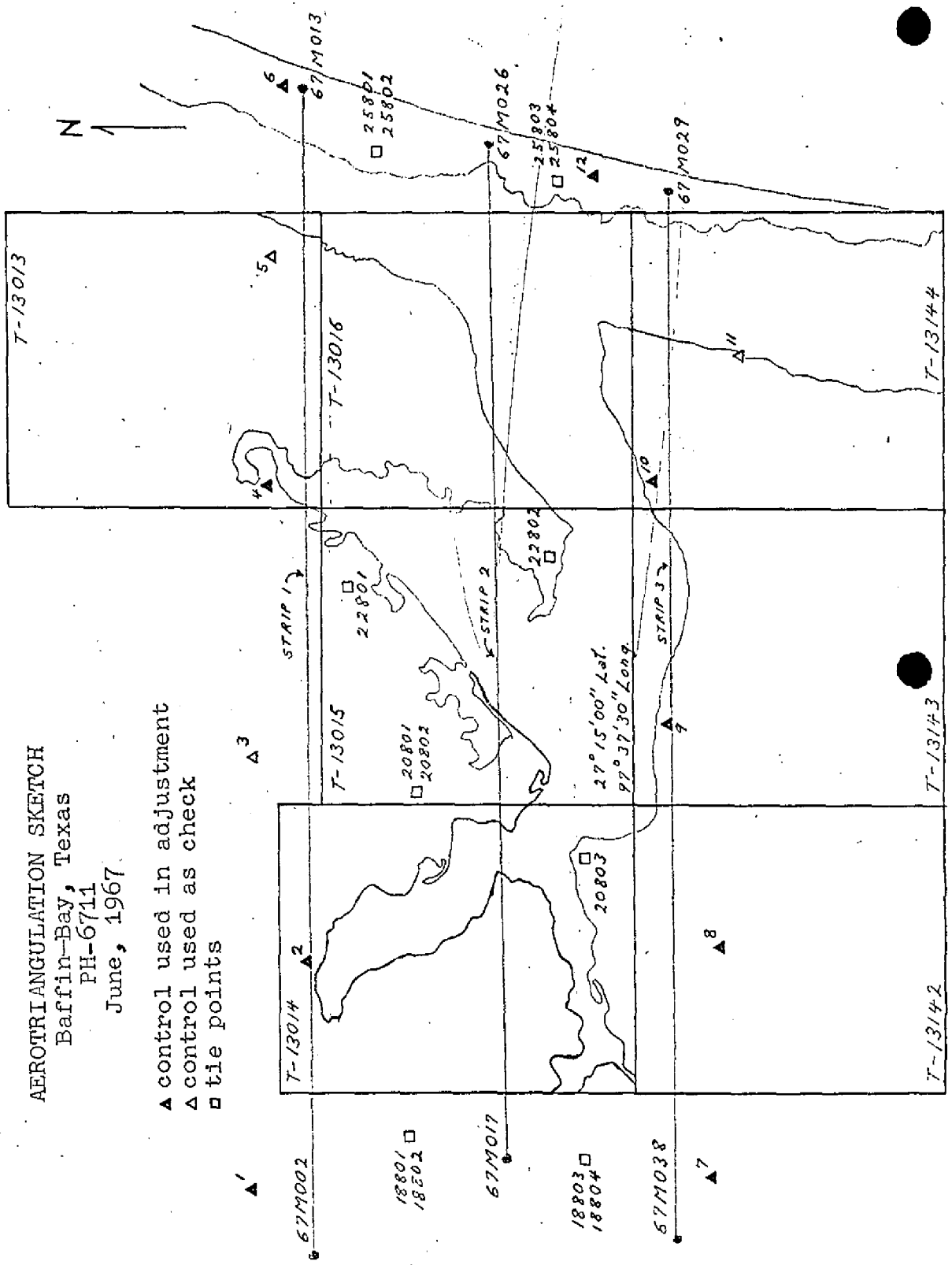
7. LOS OLMOS, 1949	-0.3	-0.3
8. KENEDY RANCH WATER TANK, 1931 subpoint	-0.5	+1.9
9. CRAWFORD 2, 1912	-0.7	-3.7

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



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

MAP T-13013

PROJECT NO. PH-6711

SCALE OF MAP 1:20,000

SCALE FACTOR None

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR $\psi$ -COORDINATE LONGITUDE OR $\lambda$ -COORDINATE		DISTANCE FROM GRID IN FEET, OR PROJECTION LINE IN METERS		DATUM CORRECTION	N.A. 1927 - DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS		FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS	
					FORWARD	(BACK)		FORWARD	(BACK)	FORWARD	(BACK)
HINDJOSO, 1949	G.P. Vol. 4 Pg. 495	N.A. 1927	27° 23' 47.674"	✓	1467.4	✓	( 379.4)	✓			
			97° 29' 42.859"	✓	1177.5	✓	( 470.9)	✓			
SORDO, 1939	G.P. Vol. 5 Pg. 119	N.A. 1927	27° 25' 04.547"	✓	140.0	✓	( 1706.8)	✓			
			97° 23' 24.938"	✓	685.0	✓	( 963.1)	✓			
SORDO	G.P. Vol. 4 Pg. 508	N.A. 1927	27° 25' 07.999"	✓	246.2	✓	( 1600.6)	✓			
			97° 23' 28.887"	✓	793.5	✓	( 854.6)	✓			
WINDMILL, 1939	G.P. Vol. 4 Pg. 509	N.A. 1927	27° 23' 38.932"	✓	1198.3	✓	( 648.5)	✓			
TANQUES DE LUIS			97° 23' 33.300"	✓	914.9	✓	( 733.6)	✓			
WINDMILL, 1949											



COMPILATION REPORT  
T-13013

31. DELINEATION:

The Kelsh Plotter was used. Photography was adequate.

There was no field inspection.

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:

Shallow and shoal areas in addition to the M.H.W.L. was delineated by office interpretation of the photographs.

36. OFFSHORE DETAILS:

No statement.

37. LANDMARKS AND AIDS:

Two Nautical Landmarks were located and Form 567 has been submitted under data April 1968.

38. CONTROL FOR FUTURE SURVEYS:

None

39. JUNCTIONS:

The junction is in agreement with T-13016 to the south. There is no contemporary survey to the east, north, or west.

40. HORIZONTAL AND VERTICAL ACCURACY:

No statement.

46. COMPARISON WITH EXISTING MAPS:

A comparison was made with USGS Quad SOUTH BIRD ISLAND NW, TEXAS, scale 1:24,000, dated 1951.

47. COMPARISON WITH NAUTICAL CHARTS:

A comparison was made with C&GS Chart 894, (Laguna Madre, Dagger Hill to Potrero Grande), scale 1:40,000, dated April 17, 1967.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY:

None

ITEMS TO BE CARRIED FORWARD:

None

Approved and forwarded:

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

Submitted:

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

May 11, 1967

GEOGRAPHIC NAMES

FINAL NAME SHEET

PH-6711 (Baffin Bay, Texas)

T-13013

✓ Alazan Artesian Well  
✓ *Alazan Bay*  
✓ Alazan Mott

\* Laguna Larga  
✓ Laguna Madre

\* \* Altos Prietos Artesian Well

\* Mateo Windmill

\* Auras Windmill

\* \* Noche Buena Windmill

\* Becerra Windmill

\* Ojo de Aqua Windmill and Camp

\* Cabeza Artesian Well

\* Palomas Windmill

\* Calixtro Windmill

\* Parra Lake

✓ Cayo de Hinoso

\* \* Patricia Artesian Well

\* Esperanza Artesian Well

\* Perra Artesian Well

\* Estrella Windmill

✓ Sordo Windmill

\* \* \* Intracoastal Waterway

✓ Tanques de Luis Windmill

\* *Beyond limits of Photographic Coverage.*

\* \* *Interior details not compiled on Shoreline Survey*

\* \* \* *Question if it touches the Southeast corner of this map.*

Approved by:

Prepared by:

*A. Joseph Wraight*  
A. Joseph Wraight  
Chief Geographer

*Frank W. Pickett*  
Frank W. Pickett  
Cartographic Technician

T- 13013

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.

PHOTOGRAMMETRIC OFFICE REVIEW  
T-13013

1. PROJECTION AND GRIDS <b>RJP</b>	2. TITLE <b>RJP</b>	3. MANUSCRIPT NUMBERS <b>RJP</b>	4. MANUSCRIPT SIZE <b>RJP</b>
---------------------------------------	------------------------	-------------------------------------	----------------------------------

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

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

ALONGSHORE AREAS (Nautical Chart Data)			
12. SHORELINE <b>RJP</b>	13. LOW-WATER LINE <b>RJP</b>	14. ROCKS, SHOALS, ETC. <b>RJP</b>	15. BRIDGES <b>X</b>

16. AIDS TO NAVIGATION <b>X</b>	17. LANDMARKS <b>RJP</b>	18. OTHER ALONGSHORE PHYSICAL FEATURES <b>RJP</b>	19. OTHER ALONGSHORE CULTURAL FEATURES <b>X</b>
------------------------------------	-----------------------------	--	--

PHYSICAL FEATURES			
20. WATER FEATURES <b>X</b>	21. NATURAL GROUND COVER <b>X</b>		22. PLANETABLE CONTOURS <b>X</b>

23. STEREOSCOPIC INSTRUMENT CONTOURS <b>X</b>	24. CONTOURS IN GENERAL <b>X</b>	25. SPOT ELEVATIONS <b>X</b>	26. OTHER PHYSICAL FEATURES <b>X</b>
--	-------------------------------------	---------------------------------	---

CULTURAL FEATURES			
27. ROADS <b>RJP</b>	28. BUILDINGS <b>X</b>	29. RAILROADS <b>X</b>	30. OTHER CULTURAL FEATURES <b>X</b>

BOUNDARIES			
31. BOUNDARY LINES <b>X</b>		32. PUBLIC LAND LINES <b>X</b>	

MISCELLANEOUS			
33. GEOGRAPHIC NAMES <b>RJP</b>	34. JUNCTIONS <b>RJP</b>		35. LEGIBILITY OF THE MANUSCRIPT <b>RJP</b>

36. DISCREPANCY OVERLAY <b>RJP</b>	37. DESCRIPTIVE REPORT <b>RJP</b>	38. FIELD INSPECTION PHOTOGRAPHS <b>X</b>	39. FORMS <b>RJP</b>
---------------------------------------	--------------------------------------	--	-------------------------

40. REVIEWER <i>R. J. Pate</i> <b>R. J. Pate</b> <b>9/26/67</b>	SUPERVISOR, REVIEW SECTION OR UNIT <i>Albert C. Rauck, Jr.</i> <b>A. C. Rauck, Jr.</b>
---	--

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 <i>L. L. Graves</i> <b>L. L. Graves</b> <b>3/29/68</b>	SUPERVISOR <i>Albert C. Rauck, Jr.</i> <b>A. C. Rauck, Jr.</b>		
Reviewed by <b>R. E. Smith</b> <b>4/3/68</b>			

43. REMARKS  
  
Compiled from Field Edit Ozalid T-13013 and Cronaflex T-13016 (see para. 4 of Summary on page 6)

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 Penascal; 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, <sup>Piles,</sup> and Platforms along the Intracoastal Waterway. These were located by radial plots, <sup>excepting</sup> two Daybeacons and several pile, <sup>which</sup> were located by sextant 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 plotted 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

~~NONREVISION INDEX~~ HARBOR LANDMARKS FOR CHARTS

TO BE CHARTED  
FOR REVIEWED  
FOR REVISION

SPRINKLE OUT TWO

April 1 1968

Atlantic Marine Center

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

STATE	CHARTING NAME	TEXAS	DESCRIPTION	SIGNAL NAME	POSITION				METHOD OF LOCATION AND SURVEY NO.	DATE OF LOCATION	CHARTS AFFECTED			
					LATITUDE*	LONGITUDE*		DATUM			HARBOR CHART	INSHORE CHART	INTERSHORE CHART	
					° ' "	° ' "	"	D.P. METERS						
			BAFFIN BAY		27 23	97 29	51.54		N.A. 1927	7-13013				X 893 *
			HE. = 45 (52)				1416			Photo	2-68			X 894
					27 22	97 28	08.77		N.A. 1927	7-13013				X 893 *
							241			Photo	2-68			X 894 *
			* Proposed SC chart 893											

This form shall be prepared in accordance with Hydrographic Manual, Section 20.7, Sec. 1.93, 2.07, 2.35, 7.43 to 2.4 inclusive, and Fig. 79. PO (Ports of Call) charts and other charts which will show both the old and new positions. The data should be considered for the area under revision under the same heading as should be for the area under revision.



REVIEW REPORT T-13013  
SHORELINE  
MAY 1969

61. GENERAL STATEMENT:

See Summary on page 6 of this Descriptive Report.

Only the southern third of the projection for T-13013 was compiled because it was the only portion of T-13013 covered by the job photography.

An ozalid Comparison Print (pages 25 and 26), which shows the differences noted in items 62 and 64, is included with the original of this report.

62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS

Registered Survey T-9193; 1:20,000, Field Completion 1951.

The maps are in generally in fair agreement, with some shoreline differences to 20 meters, but these are not surprising considering the character of the shoreline and the storms since 1951.

The T-9193 differences with this survey are on the Comparison Print in blue.

A new dam is on this survey near  $27^{\circ} 24.6'$ ,  $97^{\circ} 30'$ , see page 25.

This survey shows two landmarks for charts (Windmills) not on T-9193, see page 25

A section of trail on T-9193 near  $27^{\circ} 22.7'$ , see page 25, is not visible on the photographs used for this survey, and it was not noted on the field edit.

This survey supersedes the previously registered survey for nautical chart construction.

63. COMPARISON WITH MAPS OF OTHER AGENCIES

South Bird Island N.W., Texas; USGS; 1:24,000 Field Check, 1951.

The quadrangle is a reduction of Registered Survey T9193 and the same differences exist, see Item 62.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS

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

The Incomplete Manuscript of T-13013 was used for the shoreline of H-9005, and there have not been any appreciable changes by the field editor. It is noted that only a film overlay of H-9005 is now available because the boat sheet has apparently been lost, and that the film overlay does not show the landmark WINDMILL near  $27^{\circ} 23.2'$ ,  $97^{\circ} 29.85'$  see page 25. The boat sheet overlay shows a signal (MOT) near the landmark WINDMILL at  $27^{\circ} 22.55'$ ,  $97^{\circ} 28.15'$ , see page .

The H-9005 differences with this survey are shown on the Comparison Print in green.

65. COMPARISON WITH NAUTICAL CHARTS

Chart 894; 1:40,000, 2nd Edition, April 17, 1967  
Chart 893; 1:40,000, 6th Edition, February 5, 1968

Examination reveals that Registered Survey T-9193 was obviously, the source for the chart planimetry in this area, and the same differences apply, See Item 62.

66. ADEQUACY OF RESULTS AND FUTURE SURVEYS

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

Approved by:

*Allen L. Powell*  
Allen L. Powell, RADM, USESSA  
Director, Atlantic Marine Center

Reviewed by:

*M. M. Slavney*  
M. M. Slavney

Approved by:

*Charles A. ...*  
Chief, <sup>Photogrammetric</sup> Cartographic Branch *ΔDB*

~~Chief, Chart Division~~

*R. H. ...*  
Chief, Photogrammetry Division

~~Chief, Operations Division~~

25'00"

LIMITS OF ADEQUATE PHOTO COVERAGE

Cayo de Hinoso

sand and mud flats

Dam  
Pond  
Ditch  
Trail

Not on chart

North limits of Chart 894

24'00"

ALAZAN MOTT

y = 630,000 FT

HINDJOSO 1949

NORTH LIMITS OF H-9005

Not on Chart

a. WINDMILL 1968  
ht = 45 (53)

Alazan Artesian Well

sand and mud flats

islet

23'00"

ALAZAN

NOTE:

"The photogrammetric location and delineation of features offshore from the mean high-water line on this survey may not be complete or final. The contemporary reviewed hydrographic survey of the area where available, should be consulted for the final delineation."

Trail on T-9193  
on 894

WINDMILL 1968  
ht = 45 (55)

22'30"

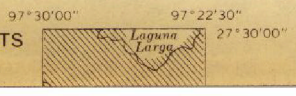
29'00"

x = 2,330,000 FT

28'00"

97° 30'00"

INDEX TO ADJOINING SHEETS  
PH-6711



NOTE Unlabeled circles are photogrammetric plot points, not map features

△ SORDO WINDMILL 1939  
△ SORDO 1939

LIMITS OF ADEQUATE PHOTO COVERAGE

25'00"

Trail

24'00"

Boat Sheet  
H-9005

Chart 893

△ TANQUES DE LUIS WINDMILL 1949

y = 630,000 FT.

has been  
high-water  
subject

Ponds

No contemporary  
hydro survey

LAGUNA MADRE

Chart 894  
Intra-coastal Waterway

23'00"

67 L-515 R

24'00"

x = 2,360,000 FT

23'00"

27° 22' 30"  
97° 22' 30"

NOTES TO VERIFIER  
T-13013, JOB - Ph-6711  
BOAT SHEET NO. H-9005(745-20-2-68)

None.