Original

13014

13014

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-13014

LOCALITY

State Texas

General locality Baffin Bay

Locality Rivera Beach

1967 - 68

CHIEF OF PARTY

J.Bull,RADM,Director,Atlantic Marine Center

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 - 13014

PROJECT NO. (II):

PH-6711

FIELD OFFICE (II):

None

CHIEF OF PARTY

PHOTOGRAMMETRIC OFFICE (III):

Atlantic Marine Center

OFFICER-IN-CHARGE

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

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): 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 water [redacted]

REFERENCE STATION (III):

GRULLO, 1949 ✓

LAT.:

27° 22' 54.180" (1667.6m)

LONG.:

97° 41' 38.552" (1059.3m)

☒ ADJUSTED
☐ UNADJUSTED

PLANE COORDINATES (IV):

Y =

X =

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.

USCOMM-DC 36393A-P68

FORM C&GS-181b
(12-61)

U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT - DATA RECORD

FIELD INSPECTION BY (II): None*	DATE:
MEAN HIGH WATER LOCATION (III) (STATE DATE AND METHOD OF LOCATION): Air Photo Compilation - March 25 & 26, 1967 Date of Photography: March 26, 1967	
PROJECTION AND GRIDS RULED BY (IV): A. E. Roundtree	DATE: May 8, 1967
PROJECTION AND GRIDS CHECKED BY (IV): L. F. Van Scoy	DATE: May 11, 1967
CONTROL PLOTTED BY (III): F. P. Margiotta	DATE: July 18, 1967
CONTROL CHECKED BY (III): L. O. Neterer, Jr.	DATE: July 19, 1967
RADIAL PLOT OR STEREOSCOPIC CONTROL EXTENSION BY (III): I. I. Saperstein	DATE: July 19, 1967
STEREOSCOPIC INSTRUMENT COMPILATION (III): Kelsh	PLANIMETRY: W. S. Davis, Reviewed by A. L. Shands — DATE: Aug. 25, 1967, Aug. 25, 1967
	CONTOURS: Inapplicable — DATE:
MANUSCRIPT DELINEATED BY (III): C. Blood	DATE: Aug. 28, 1967
SCRIBING BY (III): R. White	DATE: April 22, 1968
PHOTOGRAMMETRIC OFFICE REVIEW BY (III): COMPILATION R. J. Pate; FIELD EDIT R. E. Smith; SCRIBING & STICK UP F. P. Margiotta	DATE: Nov. 6, 1967; April 9, 1968; April 28, 1968

REMARKS:

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

*
Refer to "Pre-Marking Report" attached

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):
Wild RC-8
USC&GS ~~Type~~ "L"

PHOTOGRAPHS (III)

NUMBER	DATE	TIME	SCALE	STAGE OF TIDE
67L(c) 397 thru 401	3/25/67	0307	1:40,000	See REMARKS
67L(c) 433 thru 437	3/26/67	1054	"	"
67L(c) 446 thru 450	"	1115	"	"
67L 503R thru 507R	"	1223	"	"
67L 493R thru 497R	"	1214	"	"
67L 464R thru 468R	"	1159	"	"

PREDICTED TIDE (III)

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

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

PROOF EDIT BY (IV): — DATE:

NUMBER OF TRIANGULATION STATIONS SEARCHED FOR (II): 13**	RECOVERED: 13**	IDENTIFIED: 1
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 ½ foot.

** 2 stations are north of T-13014 limits.

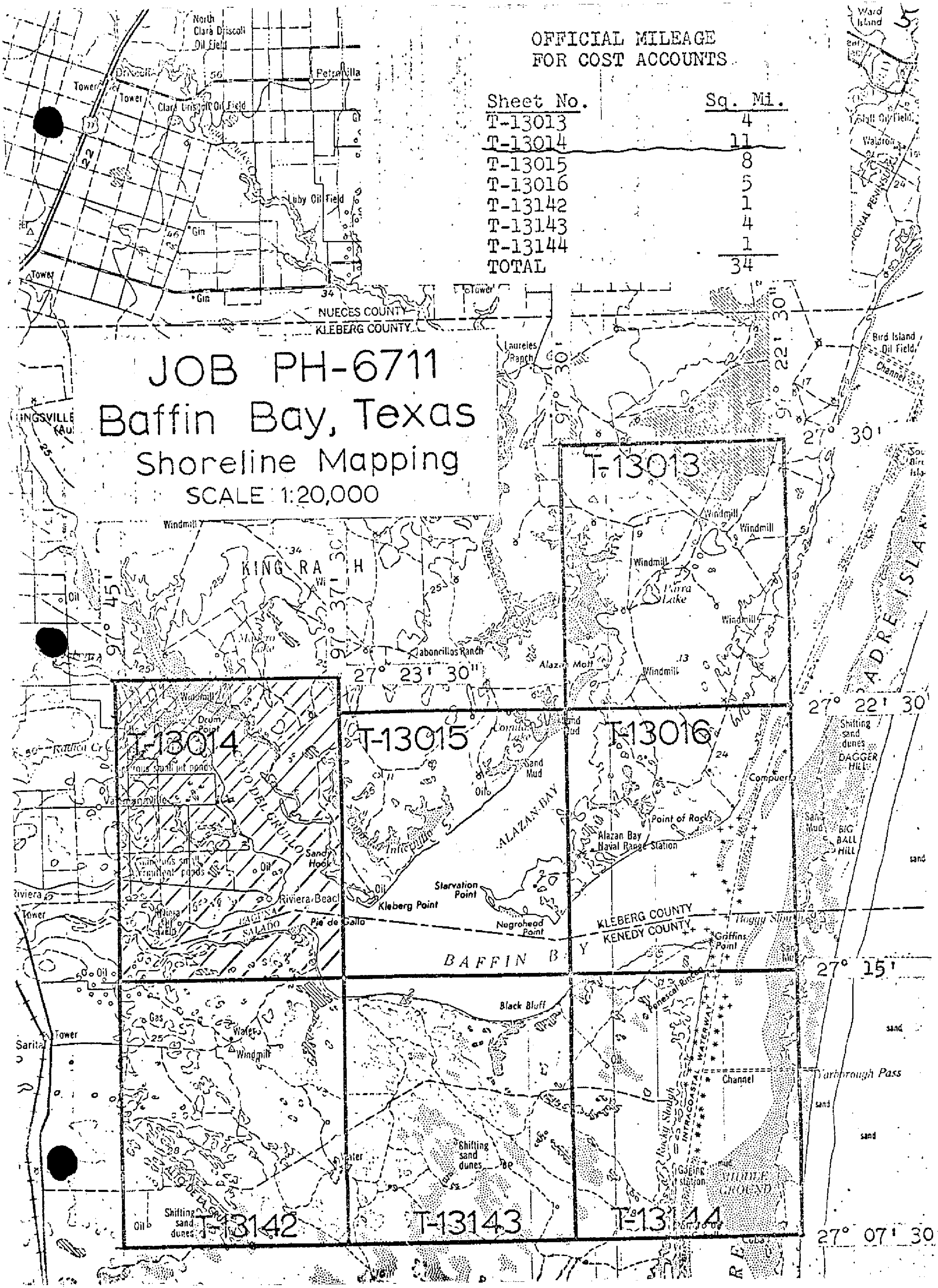
T-13014

COMPILATION RECORD	COMPLETION DATE	REMARKS
Alongshore Area for Hydro	November 1967	Superseded
Field Edit applied Manuscript complete	April 1968	Superseded
Revised during final review	May 1969	

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

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



SUMMARY TO ACCOMPANY
DESCRIPTIVE REPORT T-13014

Shoreline manuscript T-13014 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-13014 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, 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 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 and on ratio prints 67-L-399, 434, 448, 449, 465R, and 467R. 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 8 minutes and 30 seconds in latitude and 7 minutes and 30 seconds in longitude. The smooth manuscript is on cronaflex for registry and record after final review.

FIELD INSPECTION REPORT
Job PH-6711
T-13014

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
Lloyd K. Wilson
Chief Photo Party 62
4/15/67

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

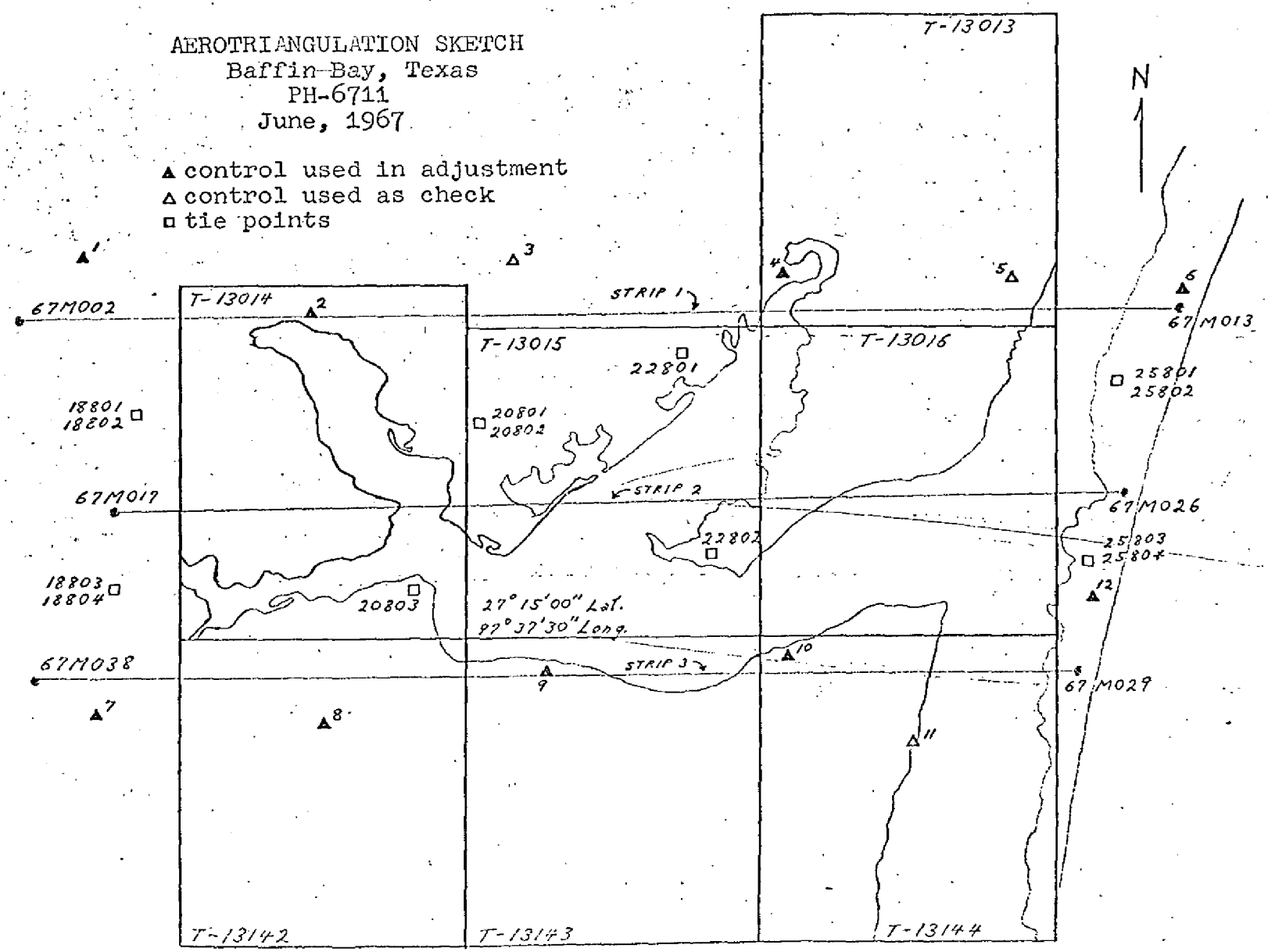
7.	LOS OLMOS, 1949	-0.3	-0.3
8.	KENEDY RANCH WATER TANK, 1931 subpoint	-0.5	+1.9
9.	CRAWFORD 2, 1912	-0.7	-3.7

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-13014 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. 4	N.A.	27° 22' 54.180" ✓	1667.6 ✓	(179.2) ✓					
GRULLO, 1949	Pg. 498	1927	97 41' 38.552" ✓	1059.3 ✓	(589.3) ✓					

1 FT. = .3048006 METER

COMPUTED BY: A. C. Rauck, Jr. DATE 7/12/67 CHECKED BY: C. h. Bishop DATE 7/14/67

COMM-DC-57843

COMPILATION REPORT
T-13014

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:

Shoreline and alongshore details were delineated from office interpretation of the photographs. In general the approximate low water line was not shown. Oil wells on the south shore of Laguna Salada between Long. 97° 42' 00" and Long. 97° 44' 00" were not identifiable on the photographs and were not mapped.

36. OFFSHORE DETAILS:

No statement.

37. LANDMARKS AND AIDS:

Appropriate copies of Form 567 for Landmarks and Aids have been submitted to the W.O. under date April 1968.

38. CONTROL FOR FUTURE SURVEYS:

None

39. JUNCTIONS:

Junctions are in agreement with T-13142 to the south and T-13015 to the east. There is no contemporary survey to the north or west.

40. HORIZONTAL AND VERTICAL ACCURACY:

No statement.

46. COMPARISON WITH EXISTING MAPS:

A comparison was made with USGS Quadrangle RIVIERA BEACH, TEX., scale 1:24,000, dated 1952.

47. COMPARISON WITH NAUTICAL CHARTS:

There is no chart that covers the area of this manuscript at this time.

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

May 11, 1967

48: GEOGRAPHIC NAMES

FINAL NAME SHEET

PH-6711 (Baffin Bay, Texas)

T-13014

Baffin Bay
Cayo de Grullo (Cayo del Grullo on NAME QUAD.) STANDARD
* Chalio Well
Drum Point
Laguna Salada
Laguna de los Olmos on NAME QUAD) STANDARD
La Parra Landing
Las Puertas Artesian Well
* Loma Prieta Flowing Well
Loyola Beach
Pie de Gallo
Radicha Creek
Riviera Beach
Sandy Hook
Valderos Creek
* Vattman Creek
* Visnaga Windmill
* Zancudedo Windmill

* Not used, beyond delineation limits of shoreline survey.

Approved by:

A. Joseph Wraight

A. Joseph Wraight
Chief Geographer

Prepared by:

Frank W. Pickett

Frank W. Pickett
Cartographic Technician

T-13014

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-13014

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	XX	XX

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

ALONGSHORE AREAS *(Nautical Chart Data)*

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

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

PHYSICAL FEATURES

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

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

CULTURAL FEATURES

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

BOUNDARIES

31. BOUNDARY LINES	32. PUBLIC LAND LINES
XX	XX

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
XX	RJP	XX	RJP

40. REVIEWER	SUPERVISOR, REVIEW SECTION OR UNIT
R. J. Pate 11/6/67	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 4/8/68 Reviewed by R.E. Smith 4/9/68	A. C. Rauck, Jr.

43. REMARKS

Field Edit applied from cronaflex T-13014, Field Edit ozalid T-13014, and photographs 67L-399, 67L-434, 67L-448 ~~and~~ 67L-449, 465R and 467R.

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 DISCONTINUED~~
~~TO BE DISCHARTED~~
} STRIKE OUT TWO

Atlantic Marine Center, April 5, 1968

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

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

J. Bull, 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	Small Craft	CHARTS AFFECTED
	CAYO DEL GRULLO													
WINDMILL	(Steel) ht= 45 (63)		27 23	00.39 12	97 41	51.35 1411	N.A. 1927	Photo. T-13011	Feb. 1968					x 893SC *
WINDMILL	(Steel) ht= 45 (57)		27 20	31.29 963	97 39	18.99 522	N.A. 1927	Photo. T-13011	Feb. 1968					x 893SC *
WINDMILL	(Steel) ht= 40 (52)		27 19	49.06 1510	97 38	03.27 90	N.A. 1927	Photo. T-13011	Feb. 1968					x 893SC *
WINDMILL	(Steel) ht= 30 (37)		27 15	20.21 622	97 38	27.92 768	N.A. 1927	Photo. T-13011	Feb. 1968					x 893SC *
TOWER	(Microware, steel, red and white) ht= 163 (185)		27 15	01.72 53	97 44	07.56 208	N.A. 1927	Photo. T-13011	Feb. 1968					x 893SC *

* Chart 893SC is a proposed chart

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

22

USCOMM-DC 36485-P66

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
~~DISCONTINUED~~
~~REDETERMINED~~
} STRIKE OUT TWO

Atlantic Marine Center — April 5, 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 L L Graves
L. L. Graves

J. Bull, 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	Small Craft Chart	CHARTS AFFECTED
	BAFFIN BAY													
DAYBEACON 70	See page 27		27 16	26.45 811	97 37	30.47 838	N.A. 1927	Photo. T-1301L	Feb. 1968					x 893 SC *
DAYBEACON 72	" " 27		27 16	13.74 423	97 37	59.39 1633	N.A. 1927	Photo. T-1301L	Feb. 1968					x 893 SC *
DAYBEACON 74			27 16	55.95 1722	97 38	21.49 591	N.A. 1927	Photo. T-1301L	Feb. 1968					x 893 SC *

* Chart 893SC is a proposed chart

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

23

REVIEW REPORT T-13014
SHORELINE
MAY 1969

61. GENERAL STATEMENT:

See Summary on page 6 of this Descriptive Report.

An ozalid Comparison Print (pages 28 through 34), 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-9191; 1:20,000; Field Completion 1952
Registered Survey T-9195; 1:20,000; Field Completion 1952

The area of T-13014 covered by T-9191 is north of 27° 22' 30"; T-9195 covers the area south of 27° 22' 30".

The surveys are generally in fair agreement, with allowances made for natural erosion and build-up in low areas over the intervening 15 years. The T-9191 and T-9195 differences with this survey are shown in blue on the Comparison Print.

The aids to navigation, the well platforms, and submerged pipelines are new since 1952, see pages 32,33 and 34 .

The shoreline shift of about 20 meters, in the vicinity of Loyola Beach (page 30) is not the largest on the survey, but it is noticeable because of the built up nature of area.

T-13014 supersedes the previously registered surveys for nautical chart construction.

63. COMPARISON WITH MAPS OF OTHER AGENCIES

U. S. G. S. quad. RIVIERA BEACH, TEXAS; 1:24,000; Field check 1952.
U. S. G. S. quad. RIVIERA BEACH N. W., TEXAS; 1:24,000; Field check 1952.

The quadrangles are reductions of T-9191 and T-9195, see Item 62, and the same comparisons are applicable.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS:

Boat sheet H-9002 (745-20-1-68); 1:20,000; 1968

The boat sheet differences with T-13014 are shown in green on the Comparison Print.

The Incomplete Manuscript of T-13014 was furnished the hydrographer for the boat sheet. The field editor made no appreciable shoreline changes, so there are only minor shoreline differences. The wells and pipelines near 27° 16.7'; 97° 41', page 33 , were identified by the field editor on photo 67-L-448; they are not on the boat sheet.

The boat sheet shows numerous rocks awash, piles, markers and etc., that are not visible on the photographs and were not noted by the field editor, see pages 29 , 30 , 31 , 33 , and 34 . For comment on the rocks, see paragraph 3 of Item 56 of the field edit report.

The boat sheet labels the "Northerly and tallest of 5" tanks, 27° 21.25', 97° 41.8', page 29 , a landmark. The tanks are compiled on T-13014 but none of them was designated a landmark by the field editor.

The boat sheet shows a light on a well at 27° 20.9'; 97° 41.3', page 29, whereas, the field editor labels the same object "Well no light" on the field edit ozalid and cronaflex; it is noted that the hydrographer was in this specific area a month after the field edit was completed for T-13014.

The boat sheet shows two piers at 27° 20.1', and 27° 20.25' at longitude 97° 41.5', page 30 , which were not noted by the field editor and are not visible on the photographs. In this same area the field edit and the boat sheet differ in identifying which of two piers is in ruins, and which is in good repair. The boat sheet also shows a "pier ruins" at 27° 17', 97° 40.25', page 33 ; the field editor though has shown a "new pier" very close to this same position. Conversation with the hydrographer revealed that work was being done on several of the piers in the various areas of this survey during the field edit done in March 1968, and the hydrography which was finished in August 1968.

The boat sheet shows signals OIL, 27° 16.5', 97° 38.4', GAS, 27° 16.7', 97° 38.1', and ACK, 27° 17.05', 97° 37.9'; each of these is about 8 meters west or northwest of a "lighted well" shown on T-13014. The field editor, when contacted by phone, stated that the lighted wells are on the east end of platforms, and that each platform also has an oil heater, whose stack is about a foot in diameter and about 15 feet tall, and about 25 feet from the well. These stacks were used as hydro-signals, see page 34 .

The boat sheet shows two Geographic names: NEUBAUER POINT and NEUBAUER ROCKS, which are not on T-13014, see page 31 .

These names are not on the approved name list and are not on the Geographic Name Standard. It is noted that they were not on the previously registered survey T-9195.

A wreck, near 27° 16.6', 97° 42.3', on the boat sheet is not visible on the photographs, and was not noted by the field edit, page 33 .

This survey shows two wells and dolphins near 27° 16.2', 97° 42.8', see 32 , which the boat sheet says were "removed and pipe removed to 25 feet below surface" in July 1968. It is noted that the field editor stated "these two wells reported to be razed within two months" on photo 67-L-448.

65. COMPARISON WITH NAUTICAL CHARTS:

There is no nautical chart coverage of T-13014 at this time.

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.

Approved by:

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

Reviewed by:

M. M. Slavney

Approved by:

Photogrammetrist
Chief, ~~Cartographic~~ Branch

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 [redacted]

~~[redacted]~~ TO BE REVISED ~~[redacted]~~ STRIKE OUT TWO

Atlantic Marine Center, June 4, 1969, 19

I recommend that the following objects which have ~~[redacted]~~ been inspected from seaward to determine their value as landmarks be charted on ~~[redacted]~~ 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

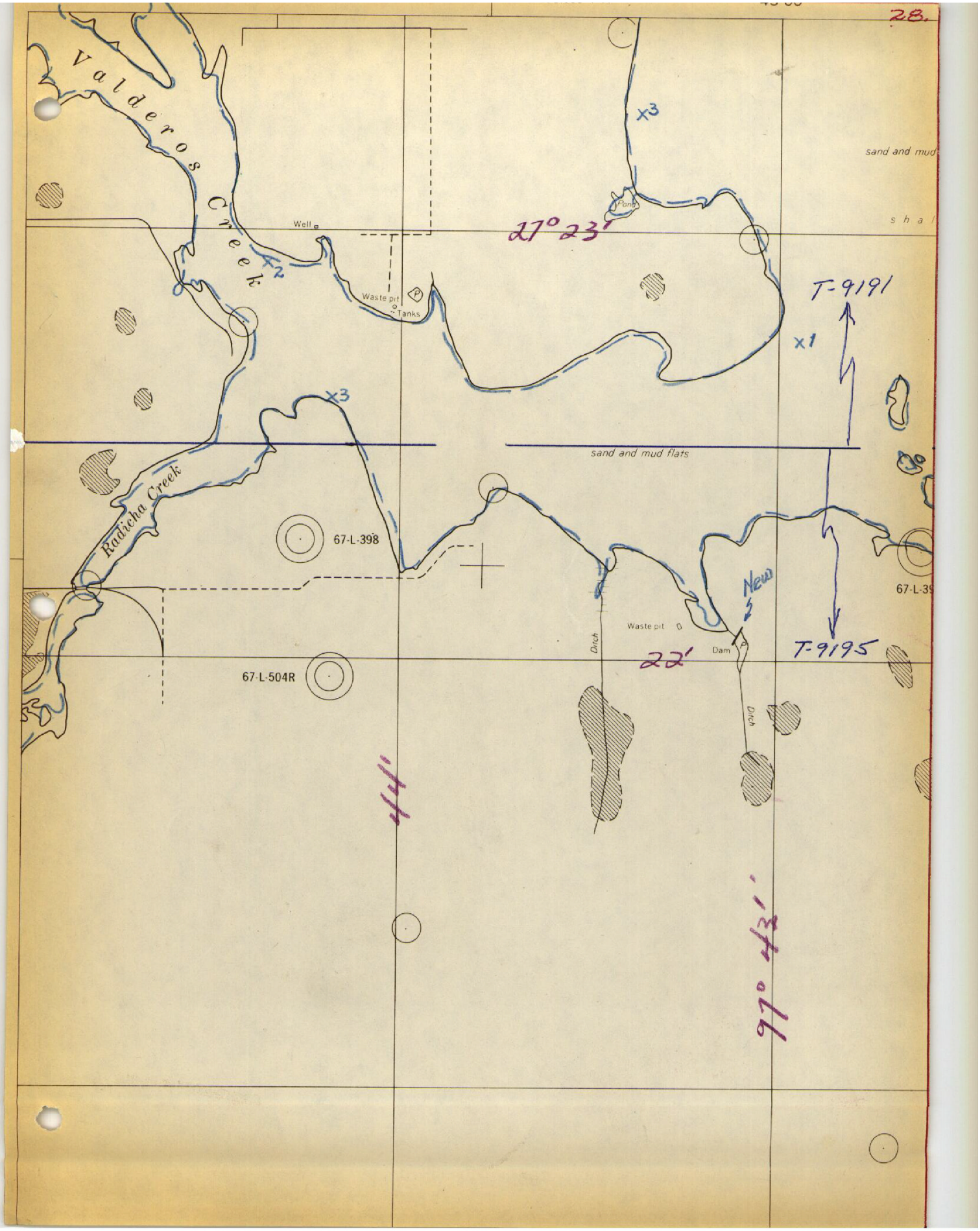
CHARTING NAME	DESCRIPTION	SIGNAL NAME	POSITION LATITUDE* ° ′	LATITUDE* ″ D.M. METERS	LONGITUDE* ° ′	LONGITUDE* ″ D.P. METERS	DATUM	METHOD OF LOCATION AND SURVEY No.	DATE OF LOCATION	HARBOR CHART	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTED
	BAFFIN BAY												Small Craft
DAYBEACON 70			27 16	33.56 1033	97 37	30.47 838	NA. 1927	Photo T-13014	Feb. 1968				x 893 SC*
DAYBEACON 72			27 16	46.36 1427	97 37	59.44 1635	"	"	"				x 893 SC*
	* Chart 893 SC is a proposed Small Craft Chart.												

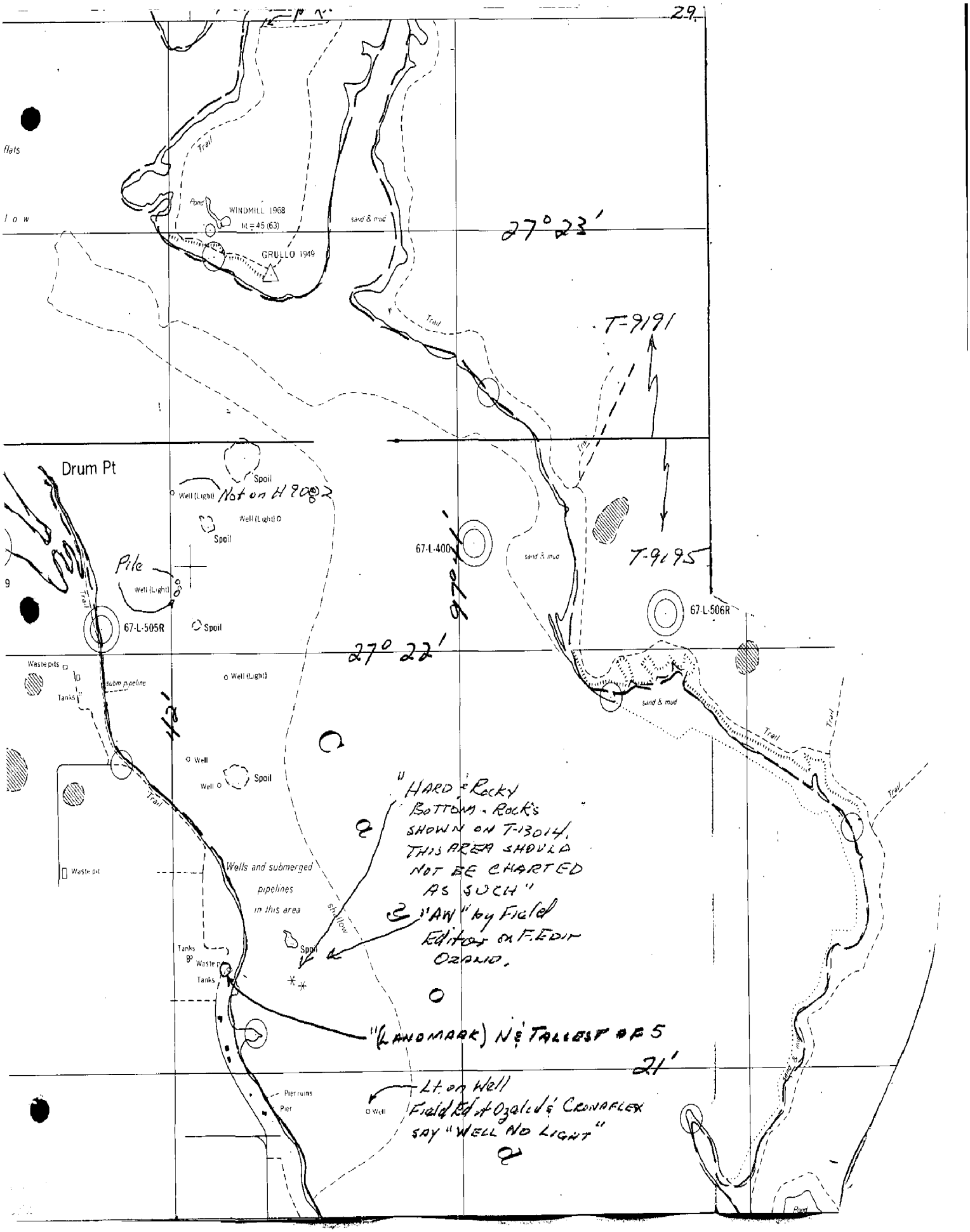
This form shall be prepared in accordance with Hydrographic Manual, Publication 20.2, Sec. 1-55, 2-39, 6-36, 7-18 to 22 inclusive, and Fig. 79. Positions of charted landmarks and *nonfloating aids* to navigation, if redetermined, shall be reported on this form. Revisions shall show both the old and new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

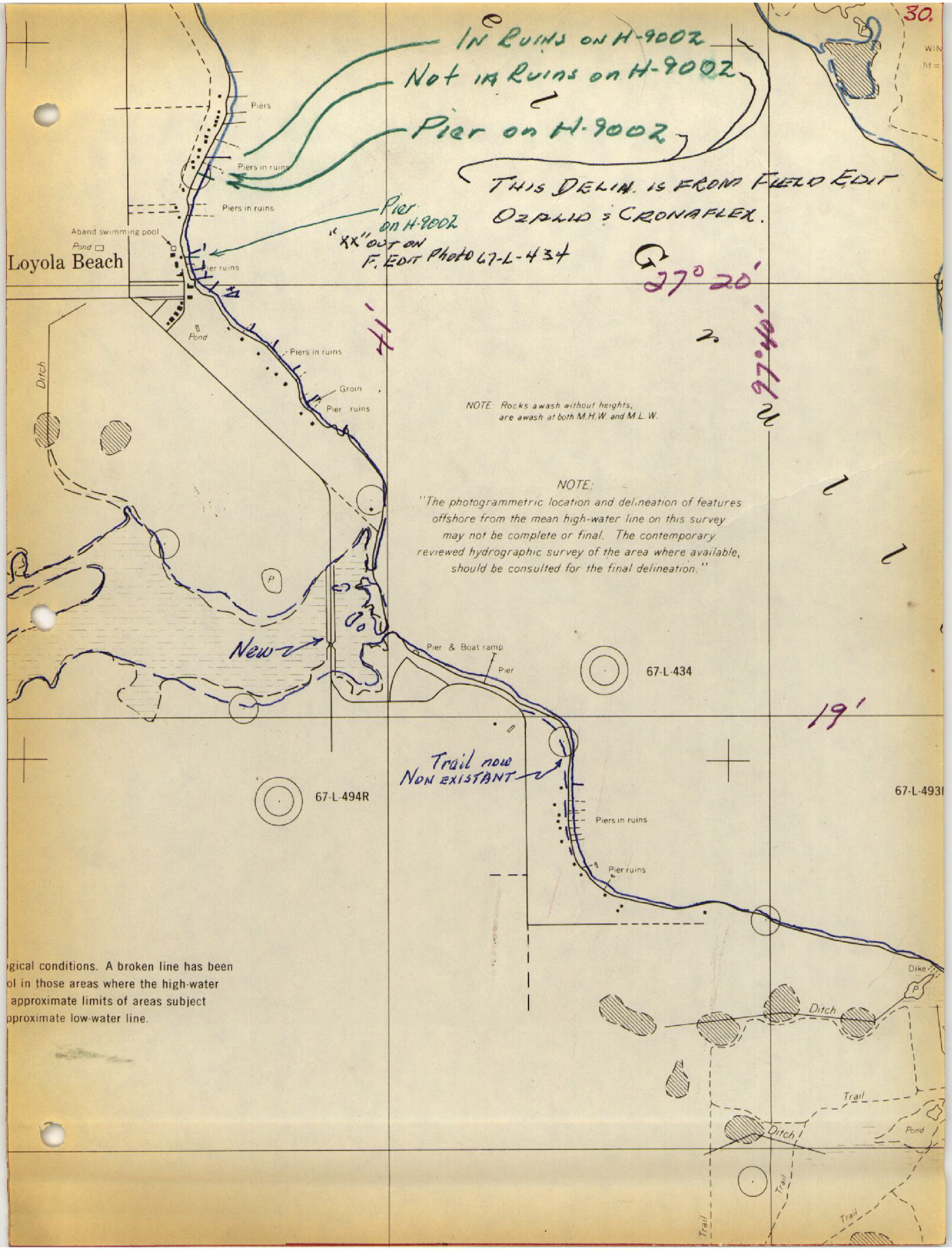
* TABULATE SECONDS AND METERS

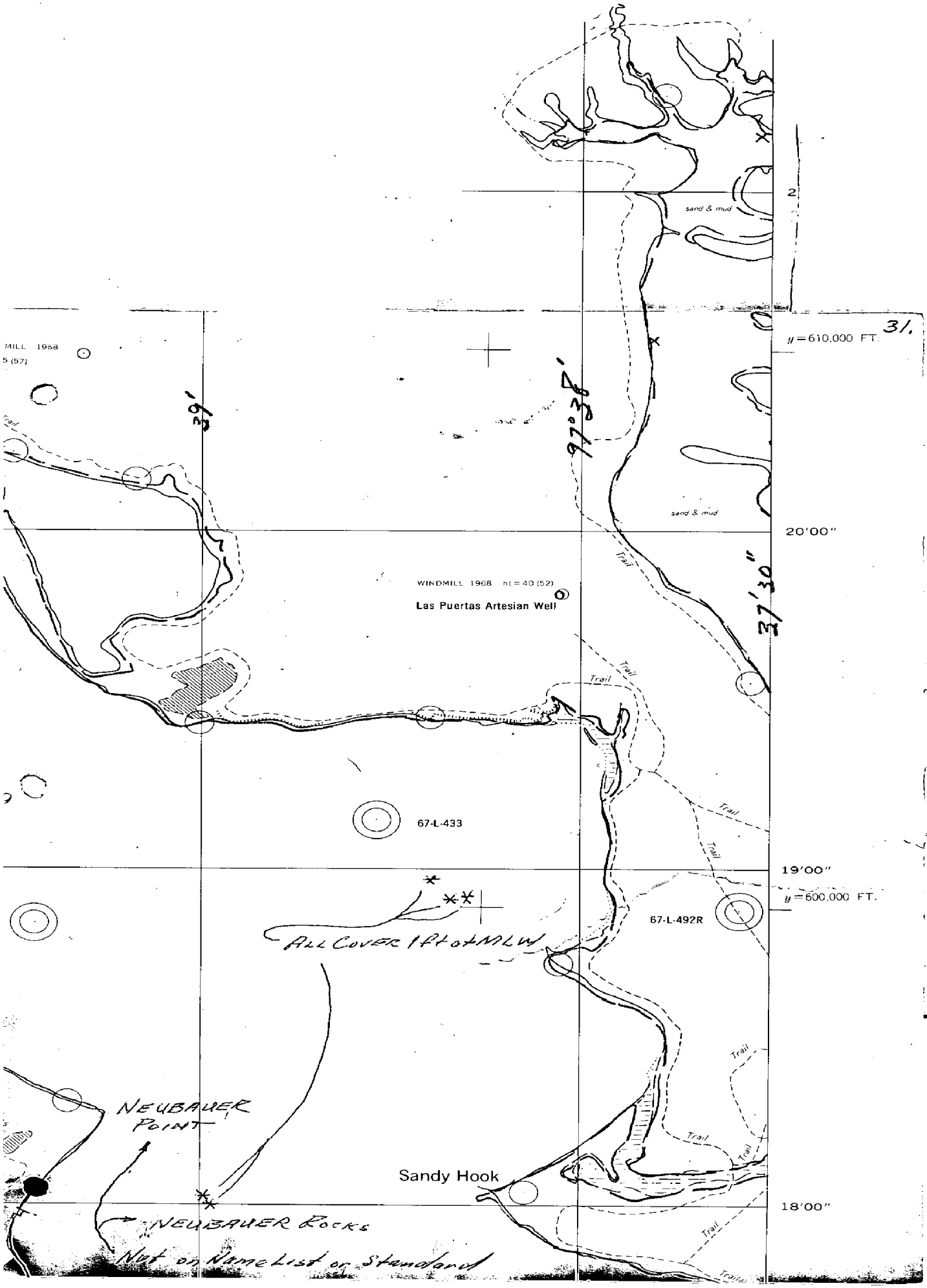
USCOMM-DC 18234-P61

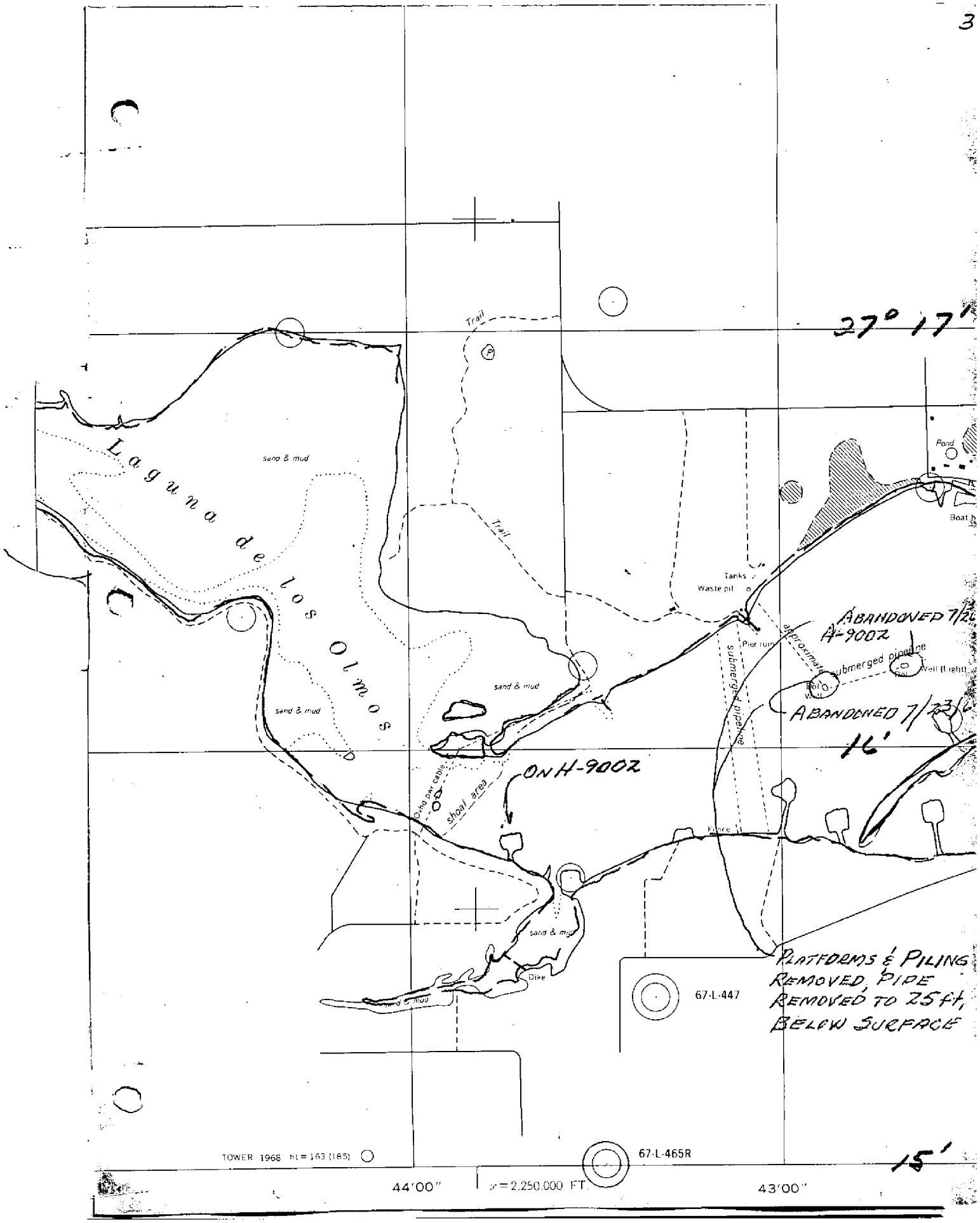
22

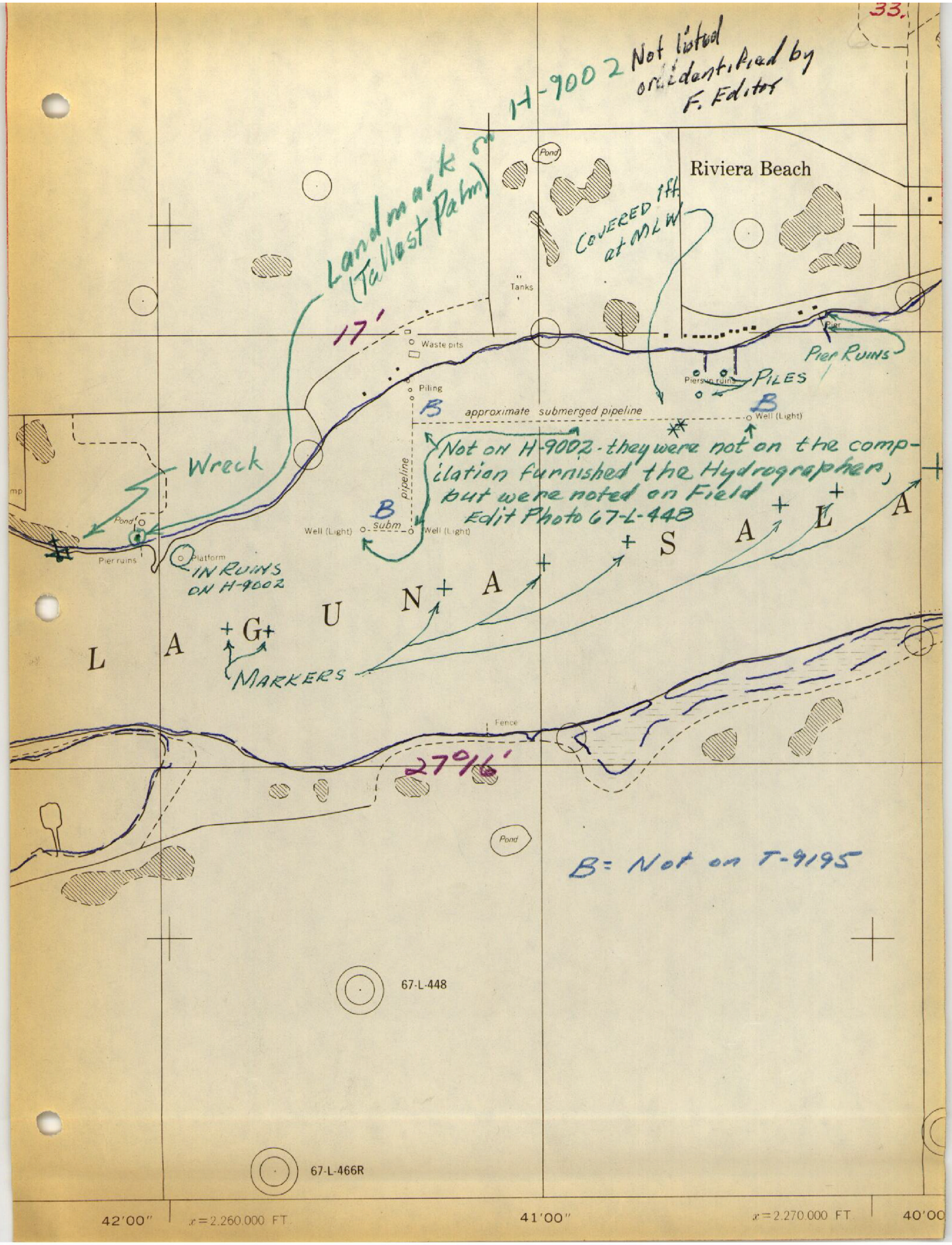

Valderos Creek
Well
Pond
x3
sand and mud
s h a l
27° 23'
x2
Waste pit
Tanks
T-9191
x1
x3
sand and mud flats
Radicha Creek
67-L-398
New
Waste pit
Ditch
Dam
22'
T-9195
67-L-504R
Ditch
44'
97° 42'

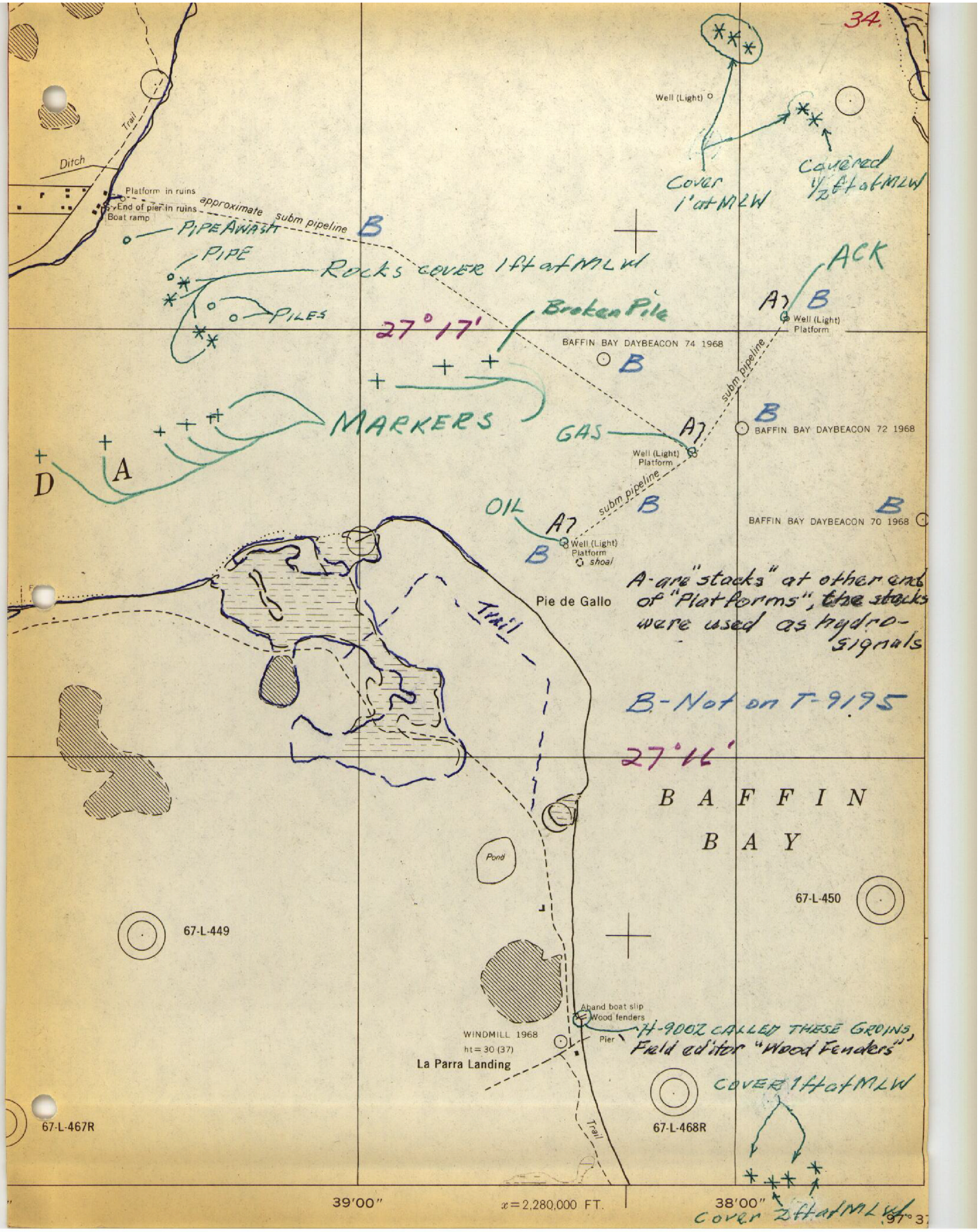

flats
Trail
Pond
WINDMILL 1968
ht = 45 (63)
GRULLO 1949
sand & mud
27° 23'
T-9191
Drum Pt
Spoil
Well (Light)
Not on H 8082
Well (Light)
Spoil
Pile
Well (Light)
67-L-505R
Spoil
67-L-400
sand & mud
T-9195
67-L-506R
27° 22'
9701'
Waste pits
Tanks
subm pipeline
Well (Light)
Well
Well
Spoil
Trail
Wells and submerged pipelines in this area
shallow
Waste pit
Tanks
Waste pit
Tanks
Spoil
Pier ruins
Pier
Well
sand & mud
Trail
Trail
Trail
Trail
Pond
"HARD & Rocky Bottom - Rock's shown on T-13014, this area should not be charted as such"
"AW" by Field Editor or F. Edit Ozalid.
"(Landmark) N° Tallest of 5
21'
Lt on Well
Field Ed at Ozalid's Cronaflex say "Well No Light"


IN RUINS ON H-9002
Not IN RUINS on H-9002
Pier on H-9002
THIS DELIN. IS FROM FIELD EDIT
OZPLID & CRONAFLEX.
Pier on H-9002
"XX" OUT ON
F. EDIT Photo 67-L-434
27° 20'
97°48'
71'
19'
Loyola Beach
Aband swimming pool
Pond
Piers
Piers in ruins
Pier ruins
Pond
Ditch
Groin
NOTE: Rocks awash without heights, are awash at both M.H.W. and M.L.W.
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."
New
Pier & Boat ramp
Pier
67-L-434
67-L-494R
67-L-493
Trail now NON EXISTANT
Dike
Ditch
Trail
Pond
gical conditions. A broken line has been
ol in those areas where the high-water
approximate limits of areas subject
pproximate low-water line.


sand & mud
2
31.
y = 610,000 FT.
97°32'
sand & mud
20'00"
37'30"
WINDMILL 1968 ht = 40 (52)
Las Puertas Artesian Well
Trail
67-L-433
19'00"
y = 600,000 FT.
67-L-492R
ALL COVER 1 FT at MLW
NEUBAUER POINT
Sandy Hook
18'00"
NEUBAUER ROCKS
Not on Name List or Standard


Laguna de los Olmos
sand & mud
Trail
Trail
Pond
Boat h
Tanks
Waste pit
Pier ruin
approximate
submerged pipeline
Well (Light)
sand & mud
sand & mud
Submerged pipeline
Submerged pipeline
shoal area
Fence
sand & mud
Dike
sand & mud
67-L-447
67-L-465R
TOWER 1968 ft(=163 (185)
44'00"
1:250,000 FT.
43'00"
ABANDONED 7/2
A-9002
ABANDONED 7/22/
16'
ON H-9002
PLATFORMS & PILING
REMOVED, PIPE
REMOVED TO 25ft
BELOW SURFACE
15'


33.
H-9002 Not listed or identified by F. Editor
Landmark 5*
(Tallest Palm)
17'
Riviera Beach
Pond
Tanks
Waste pits
Piling
B
approximate submerged pipeline
B
Well (Light)
Covered 1ft. at MLW
Pier
Pier Ruins
Piers in ruins
PILES
Wreck
Pond
Pier ruins
Platform
IN RUINS ON H-9002
pipeline
B
subm
Well (Light)
Well (Light)
Not on H-9002 - they were not on the compilation furnished the Hydrographer, but were noted on Field Edit Photo 67-L-448
L A G U N A S A L A
MARKERS
Fence
27½'
Pond
B = Not on T-9195
67-L-448
67-L-466R
42'00"
x = 2,260,000 FT.
41'00"
x = 2,270,000 FT.
40'00


34.
Trail
Ditch
Platform in ruins
End of pier in ruins
Boat ramp
approximate subm pipeline
B
PIPE AWASH
PIPE
Rocks cover 1ft at MLW
PILES
Broken Pile
27° 17'
MARKERS
D
A
Well (Light)
Cover 1' at MLW
Covered 1/2 ft at MLW
ACK
A7
B
Well (Light) Platform
BAFFIN BAY DAYBEACON 74 1968
BAFFIN BAY DAYBEACON 72 1968
BAFFIN BAY DAYBEACON 70 1968
subm pipeline
GAS
OIL
shoal
Pie de Gallo
Trail
A- are "stacks" at other end of "Platforms", the stacks were used as hydro-signals
B- Not on T-9195
27° 14'
BAFFIN BAY
Pond
67-L-449
67-L-450
67-L-467R
67-L-468R
Aband boat slip
Wood fenders
Pier
H-9002 CALLED THESE GROINS, Field editor "Wood Fenders"
WINDMILL 1968
ht = 30 (37)
La Parra Landing
COVER 1ft at MLW
Trail
39'00"
x = 2,280,000 FT.
38'00"
Cover 2ft at MLW
97° 3

NOTES TO VERIFIER
T-13014, Job Ph-6711
BOAT SHEET NO. H-9002 (745-20-1-68)

Please note item 64 of the Final Review Report and the Comparison Print, pages , , , , and .