13015

Original

13015

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-13015

LOCALITY

State: Texas

General locality: Baffin Bay

Locality: Starvation Point

19 67 -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- 13015

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	Feb. 7, 1967
AEROTRIANGULATION	May 18, 1967
OFFICE COMPILATION	June 29, 1967

METHOD OF COMPILATION (III):

Wild B-8 Stereo-Plotter

MANUSCRIPT SCALE (III):	STEREOSCOPIC PLOTTING INSTRUMENT SCALE (III):
1:20,000	1:6666 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):	VERTICAL DATUM (III): MHW
N. A. 1927	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

REFERENCE STATION (III):

PORTALES, 1949 (North of North Limit) ✓

LAT.:	LONG.:	
27° 25' 59.487" (1831.0M) ✓	97° 36' 14.217" (390.5M) ✓	[X] ADJUSTED [ ] UNADJUSTED

PLANE COORDINATES (IV):	STATE	ZONE
Y = 643,122.81 ft. ✓ X = 2,290,643.15 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 36993A-P66

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 Date of photography - March 25 & 26, 1967	
PROJECTION AND GRIDS RULED BY (IV): A. E. Roundtree	DATE: May 8, 1967
PROJECTION AND GRIDS CHECKED BY (IV): T. 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	DATE: July 18, 1967
RADIAL PLOT OR STEREOSCOPIC CONTROL EXTENSION BY (III): I. I. Saperstein	DATE: July 19, 1967
STEREOSCOPIC INSTRUMENT COMPILATION (III): Wild B-8	PLANIMETRY: W. S. Davis Reviewed by: L. O. Neterer CONTOURS: Inapplicable
	DATE: Sept. 20, 1967 Sept. 20, 1967 DATE:
MANUSCRIPT DELINEATED BY (III): B. L. Barge	DATE: Oct. 25, 1967
SCRIBING BY (III): F. P. Margiotta	DATE: May 5, 1968
PHOTOGRAMMETRIC OFFICE REVIEW BY (III): COMPILATION R. J. Pate; FIELD EDIT R. E. Smith; SCRIBING & STICK UP R. R. White	DATE: Nov. 13, 1967; Apr. 16, 1968; May 7, 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)402 thru 406	March 25,1967	0307	1:40,000	See REMARKS
67L(c)429 thru 432	March 26,1967	1054	"	" "
67L(c)451 thru 453	" " "	1115	"	" "
67L 508R thru 511R	" " "	1223	"	" "
67L 488R thru 492R	" " "	1214	"	" "
67L 469R thru 472R	" " "	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 M. M. Slawsey — DATE: May 1969

PROOF EDIT BY (IV): — DATE:

NUMBER OF TRIANGULATION STATIONS SEARCHED FOR (II): 1 — RECOVERED: 1 — IDENTIFIED: 1

NUMBER OF BM(S) SEARCHED FOR (II): 0 — RECOVERED: — IDENTIFIED

NUMBER OF RECOVERABLE PHOTO STATIONS ESTABLISHED (III): 0

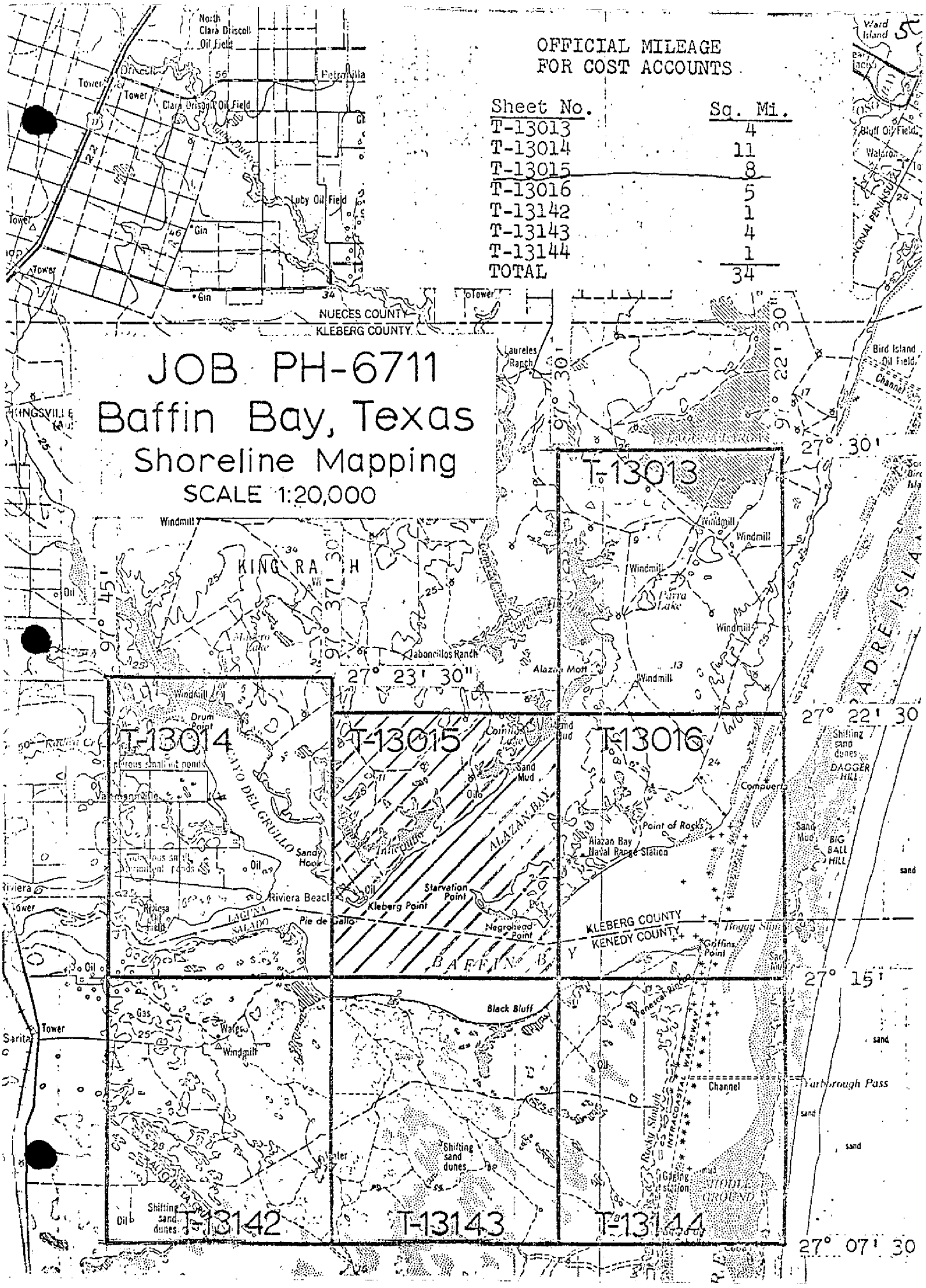
NUMBER OF TEMPORARY PHOTO HYDRO STATIONS ESTABLISHED (III): 0

REMARKS:

*
Refer to No. 3301, page 240, 1967 Tide Table. Diurnal Tide. Inside bay areas have a mean range of tide of less than $\frac{1}{2}$ foot.

T-13015

COMPILATION RECORD	COMPLETION DATE	REMARKS
Alongshore area for Hydro	October 25, 1967	Superseded
Field Edit applied Compilation Complete	April 12, 1968	Superseded
Revised in Final Review	May 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
T-13013
T-13014
T-13015
T-13016
T-13142
T-13143
T-13144
NUECES COUNTY
KLEBERG COUNTY
KENEDY COUNTY
KING RANCH
BAFFIN BAY
ALAZAN BAY
LAGUNA SALADO
ARROYO DEL GRULLO
Riviera Beach
Kleberg Point
Starvation Point
Point of Rocks
Alazan Bay Naval Range Station
Black Bluff
Corpus Christi Pass
Laureles Ranch
Laborcillos Ranch
Bird Island Oil Field
North Clara Driscoll Oil Field
Clara Driscoll Oil Field
Luby Oil Field
Petronilla
Riviera Oil Field
Sarita
Ward Island
Bluff Oil Field
Walaron
97° 45'
97° 37' 30"
97° 30'
97° 22' 30"
27° 30'
27° 23' 30"
27° 22' 30"
27° 15'
27° 07' 30"

SUMMARY TO ACCOMPANY
DESCRIPTIVE REPORT T-13015

Shoreline manuscript T-13015 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-13015 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 print and field edit photographs 67-L-429, 430, 432, and 452.

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
T-13015

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
Jayne K. Wilson
Chief Phot 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

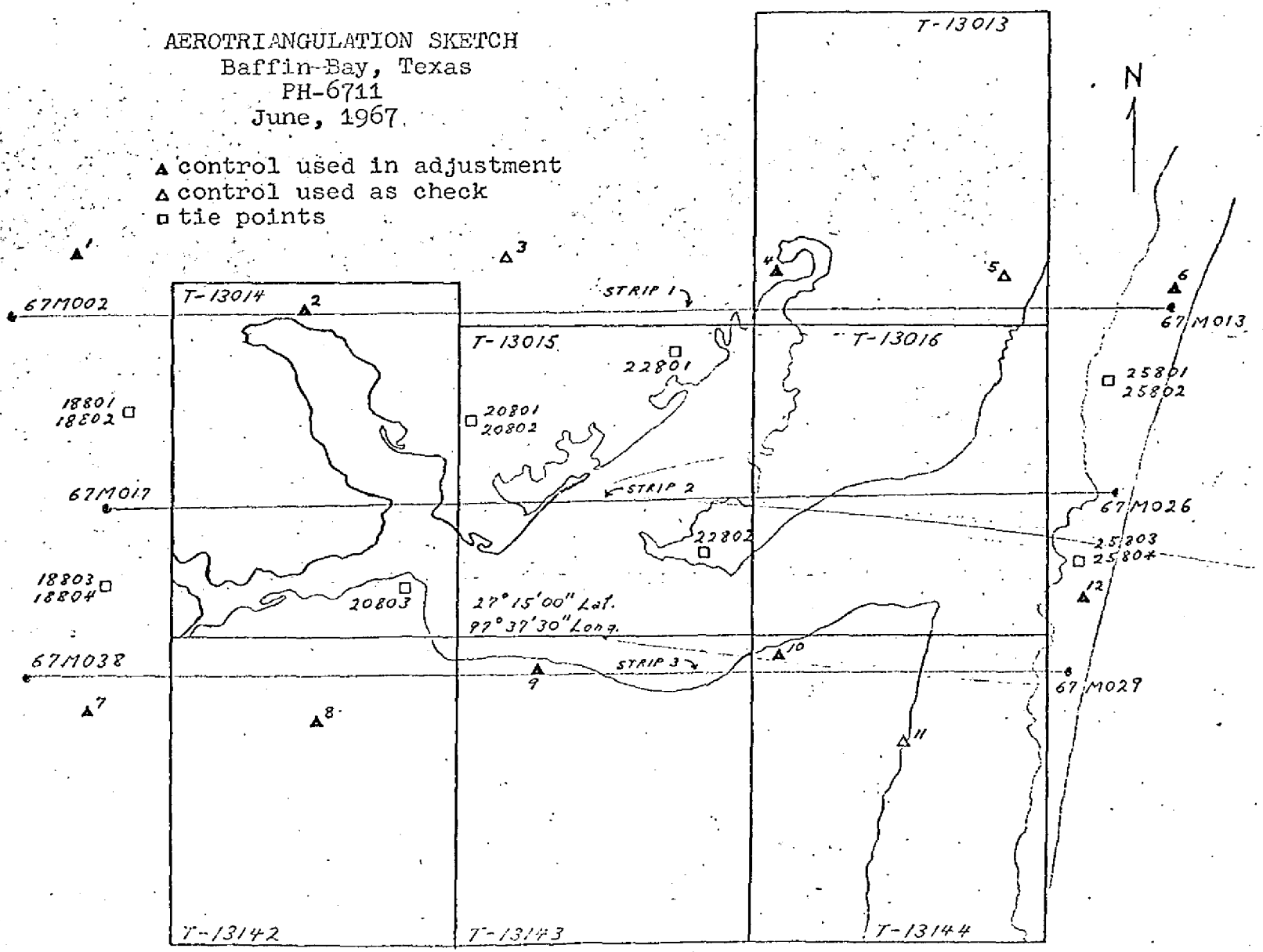
7.	LOS OLMOS, 1949	-0.3	-0.3
8.	KENEDY RANCH WATER TANK, 1931 subpoint	-0.5	+1.9
9.	CRAWFORD 2, 1912	-0.7	-3.7

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



FORM 164
(4-23-54)

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

DESCRIPTIVE REPORT — CONTROL RECORD

MAP T-13015 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)
NONE										

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-13015
PH-6711

31. DELINEATION:

Roads and trails were delineated with the Wild B-8 instrument, and shoreline points were dropped to control the MHWL and other details. All other details were delineated graphically.

There was no field inspection.

The 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 low-water line was delineated from office interpretation of the photographs.

36. OFFSHORE DETAILS:

Offshore details were delineated from the offshore ratio photographs.

37. LANDMARKS AND AIDS:

Appropriate copies of Form 567 for Landmarks and Aids have been submitted to the Washington office under date April 12, 1968.

38. CONTROL FOR FUTURE SURVEYS:

None

39. JUNCTIONS:

Junctions are in agreement with T-13016 to the east, T-13014 to west, T-13143 to the south. There is no contemporary survey to the north.

40. HORIZONTAL AND VERTICAL ACCURACY:

No statement.

46. COMPARISON WITH EXISTING MAPS:

A comparison has been made with USGS Quadrangle KLEBERG POINT, TEXAS, scale 1:24,000, dated 1951.

47. COMPARISON WITH NAUTICAL CHARTS:

Intracoastal Waterway Chart 894 covers about 55% of this map.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY:

None.

ITEMS TO BE CARRIED FORWARD:

None

Approved and forwarded:

For J. Bull, RADM, USESSA
Director, Atlantic Marine Center

Submitted:

B. L. Barge
Cartographic Aid

May 11, 1967

48: GEOGRAPHIC NAMES

FINAL NAME SHEET

PH-6711 (Baffin Bay, Texas)

T-13015

- Aceitero Flowing Well
- Alazan Bay
- Baffin Bay
- Camiseta Flowing Well
- Cayo del Infiernillo
- Comitas Lake
- East Kleberg Point
- Infiernillo Artesian Well
- Kleberg Point
- Starvation Point
- Tiburcio Artesian Well
* Vibora Windmill

* Not used, beyond limits compiled on this shoreline survey

Approved by:

A. J. Wraight

A. J. Wraight
Chief Geographer

Prepared by:

Frank W. Pickett

Frank W. Pickett
Cartographic Technician

T-13015

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-13015

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
XX	LLG	XX

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

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
LLG	LLG	RJP	RJP

PHYSICAL FEATURES

20. WATER FEATURES	21. NATURAL GROUND COVER	22. PLANETABLE CONTOURS
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	XX	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 11/13/67	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 4/15/68 Reviewed by R. E. Smith 4/16/68	A. C. Rauck, Jr.

43. REMARKS

Field edit was applied from Field edit ozalid T-13015, Cronaflex T-13015, and photographs 67L-429, 430, 432, 452.

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 12 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

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

STATE: TEXAS

CHARTING NAME	DESCRIPTION	SIGNAL NAME	POSITION LATITUDE* ° ′	″ D.M. METERS	POSITION LONGITUDE* ° ′	″ D.P. METERS	DATUM	METHOD OF LOCATION AND SURVEY NO.	DATE OF LOCATION	HARBOR CHART	INSHORE CHART	OFFSHORE CHART	Intra Coastal Waterway CHARTS AFFECTED
	BAFFIN BAY												
DAYBEACON 30			27 15	45.32 1395	97 30	10.22 281	N.A. 1927	Photo T-13015	Feb. 1968		x		x 894 893SC*
DAYBEACON 32			27 15	39.15 1205	97 30	30.46 838	" 1927	"	"		x		x "
DAYBEACON 34			27 15	33.27 1024	97 30	49.80 1370	"	"	"		x		x "
DAYBEACON 36			27 15	34.63 1066	97 31	14.80 407	"	"	"		x		x "
DAYBEACON 38			27 15	35.93 1106	97 31	38.53 1060	"	"	"		x		x "
DAYBEACON 40			27 15	37.17 1144	97 32	03.71 102	"	"	"		x		x "
DAYBEACON 42			27 15	38.47 1184	97 32	28.03 771	"	"	"		x		x "
DAYBEACON 44			27 15	39.54 1217	97 32	48.50 1334	"	"	"		x		x "
DAYBEACON 46			27 15	40.71 1253	97 33	09.45 260	"	"	"		x		x "
DAYBEACON 48			27 15	41.78 1286	97 33	29.16 802	"	"	"		x		x "
DAYBEACON 50			27 15	43.05 1325	97 33	52.68 1449	"	"	"		x		x "
DAYBEACON 52			27 15	44.45 1368	97 34	20 76 571	"	"	"		x		x "
DAYBEACON 54			27 15	46.17 1421	97 34	54.10 1488	"	"	"		x		x "

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 ACCORDING TO HORIZ...

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
~~DO BE REVISED~~ } STRIKE OUT TWO
~~CHECKED~~

Atlantic Marine Center — April 12, 1968

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

Intracoastal Waterway

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												
				47.44		14.98	N.A.	Photo	Feb.				~~x 894~~
DAYBEACON 56			27 15	1460	97 35	412	1927	T-13015	1968		x		893SC*
				48.12		31.34	"	"	"				~~x "~~
DAYBEACON 58			27 15	1481	97 35	862	"	"	"		x		"
				00.55		05.60	"	"	"				~~x "~~
DAYBEACON 60			27 16	17	97 36	154	"	"	"		x		"
				07.93		26.14	"	"	"				~~x "~~
DAYBEACON 62			27 16	244	97 36	719	"	"	"		x		"
				14.59		44.79	"	"	"				~~x "~~
DAYBEACON 64			27 16	449	97 36	1232	"	"	"		x		"
				19.27		57.77	"	"	"				~~x "~~
DAYBEACON 66			27 16	593	97 36	1589	"	"	"		x		"
				25.96		12.65	"	"	"				~~x "~~
DAYBEACON 68			27 16	799	97 37	348	"	"	"		x		"

* 893SC 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.

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

Atlantic Marine Center April 12, 1968

I recommend that the following objects which have ~~not been~~ 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.

Intracoastal Waterway

STATE: TEXAS

CHARTING NAME	DESCRIPTION	SIGNAL NAME	POSITION LATITUDE* ° ′	LAT. D.M. METERS	POSITION LONGITUDE* ° ′	LONG. D.P. METERS	DATUM	METHOD OF LOCATION AND SURVEY NO.	DATE OF LOCATION	HARBOR CHART	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTED
	ALAZAN BAY												
				17.38		32.15	N.A.	Photo	Feb.				~~x 894~~
WINDMILL	(Steel) Ht= 40 (48)		27 17	535	97 36	884	1927	T-13015	1968		x		893SC*
				10.66		25.53	"	"	"				~~x "~~
WINDMILL	(Steel) Ht= 45 (50)		27 18	328	97 37	702	"	"	"		x		"
				20.57		35.69	"	"	"				~~x "~~
WINDMILL	(Steel) Ht= 45 (53)		27 20	633	97 33	981	"	"	"		x		"
				33.11		03.67	"	"	"				x 894
WINDMILL	(Steel) Ht= 45 (55)		27 17	1019	97 31	101	"	"	"		x		"

* 893SC 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 38485-P66

REVIEW REPORT T-13015
SHORELINE
MAY 1969

61. GENERAL STATEMENT:

See summary on page 6 of this Descriptive Report.

An ozalid Comparison Print (pages 27 through 32), which shows the differences noted in items 62 and 64, is included with the original of this report.

62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS:

T-9196; 1:20,000; Field Completion 1951

The T-9196 differences with T-13015 are shown on the Comparison Print in blue.

The shoreline of the two surveys is in generally good agreement. Differences are noted at sand pits and the small islets, and areas at bay and flooded area entrances, see pages 27 thru 32.

All of the aids to navigation on Baffin Bay on this survey are new since T-9196 was compiled, see pages 30, 31, and 32.

Three of the landmarks on this survey are new since T-9196, see pages 28, 29, and 30.

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

63. COMPARISON WITH MAPS OF OTHER AGENCIES:

U.S.G.S. Quad KLEBERG POINT, TEXAS; 1:24,000; field check 1951.

The quadrangle is a reduction of T-9196, see Item 62, and the same comparison applies.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS:

Boat sheet H-9002 (745-20-1-68); 1:20,000; 1968
H9005 (745-20-2-68); 1:20,000; 1968

Boat sheet H-9002 eastern limits is longitude 97° 33'; where it joins H-9005. It is noted that all the data from H-9005 is from a mylar overlay of the boat sheet, because the actual boat sheet was lost in a launch sinking. The hydrographers differences with this survey are shown on the Comparison Print in green.

The hydrographic surveys show a "pipe" (page 30), a "post" (page 30), and numerous rocks, see pages 28 and 30 thru 32 , that are not on T-13015, they are not visible on the photographs and were not identified by the field editor. Please refer to the field editors comment on "rocks" in paragraph 3 of Item 56 in this Descriptive Report.

65. COMPARISON WITH NAUTICAL CHARTS

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

The western limits of the chart fall near longitude 97° 34'. Comparison by projector reveals that registered survey T-9196 was the source for the chart planimetry, the chart shoreline almost exactly coinciding with the T-9196 shoreline.

No soundings, rocks or aids to navigation are on the position of Chart 894 covered by this survey.

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

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

Reviewed by:

M. M. Slavney

M. M. Slavney

Approved by:

Charles Shumm

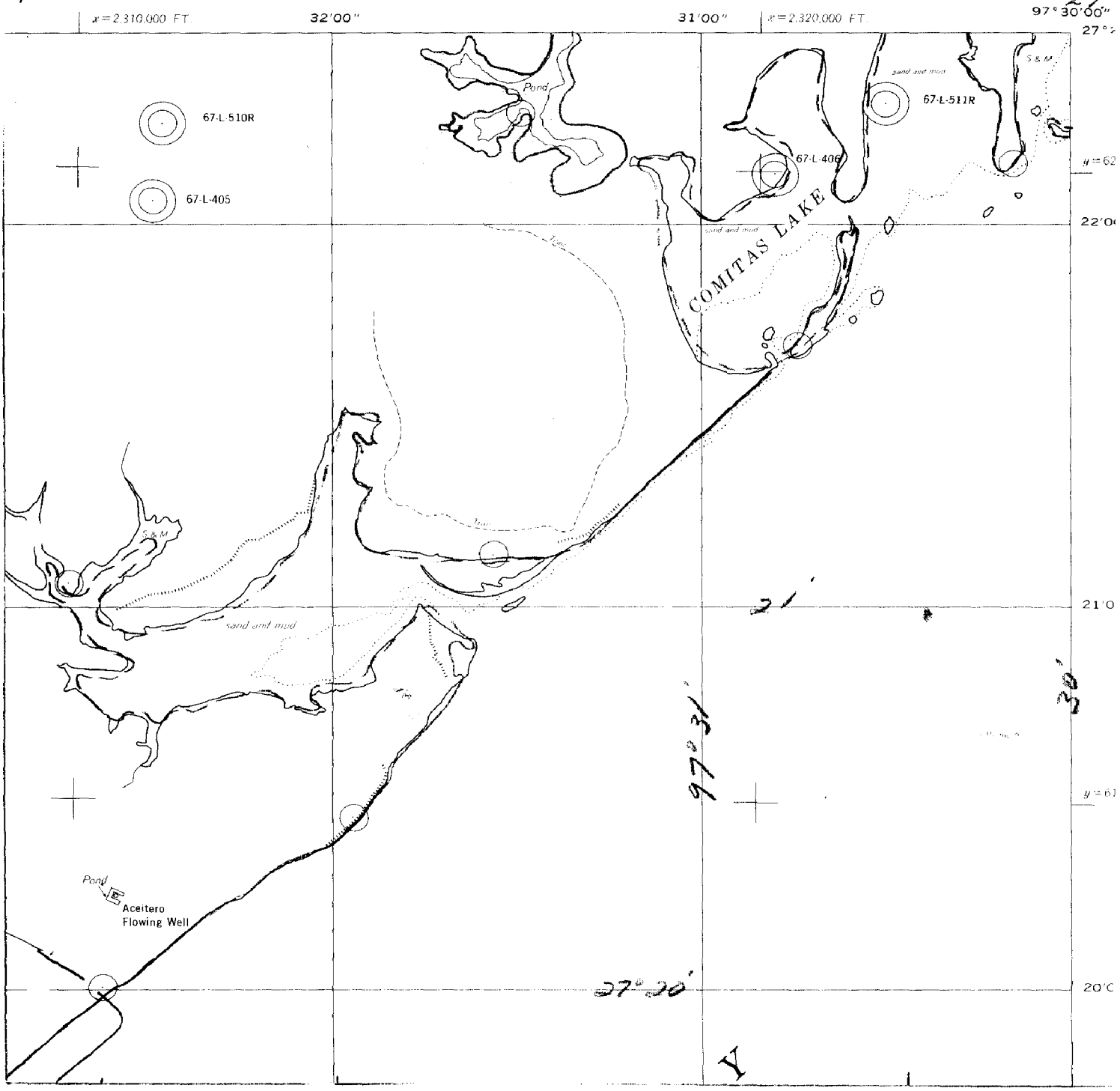
Chief, ~~Cartographic~~ Photogrammetric Branch

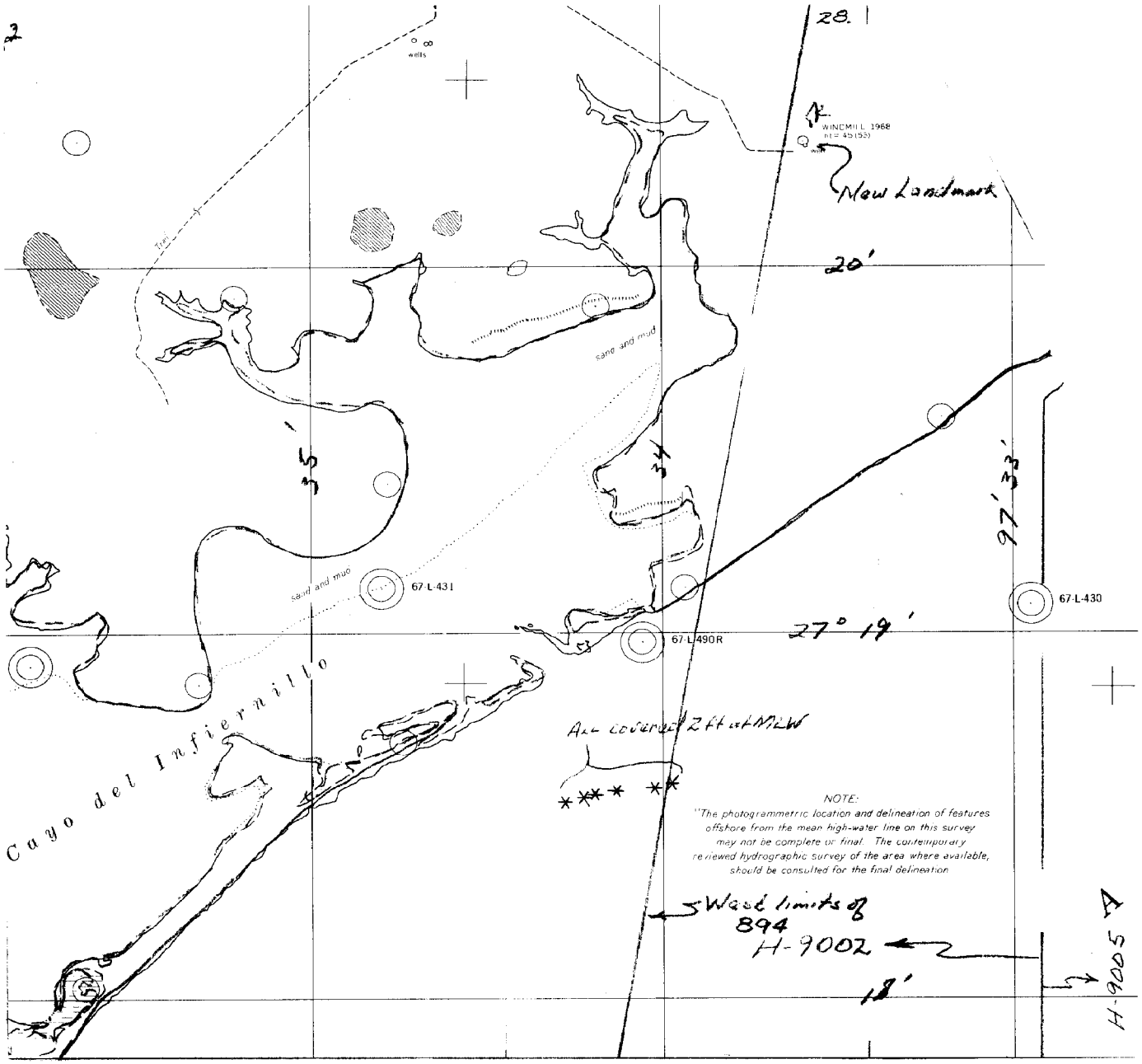
R H Houtsteter

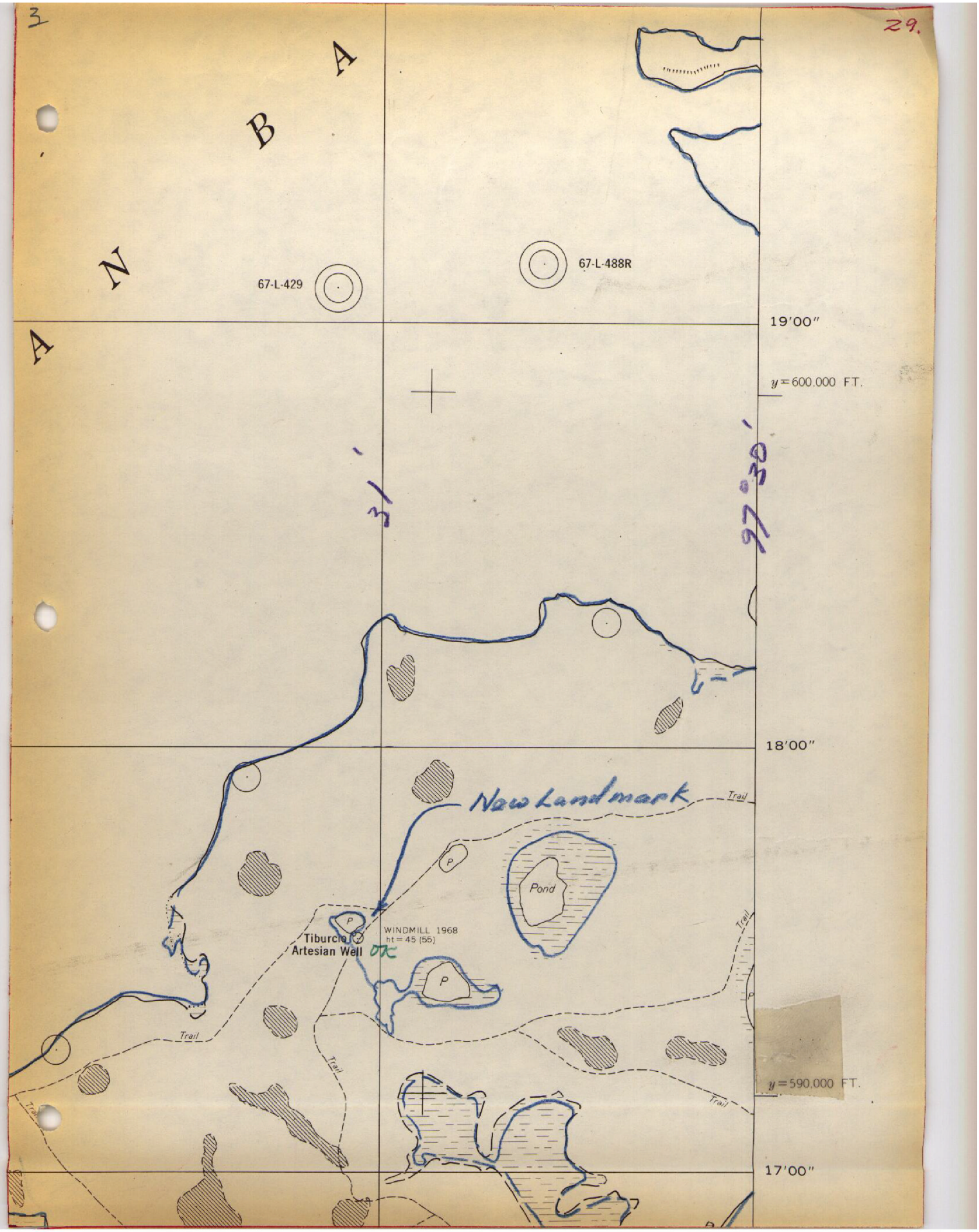
Chief, Photogrammetry Division

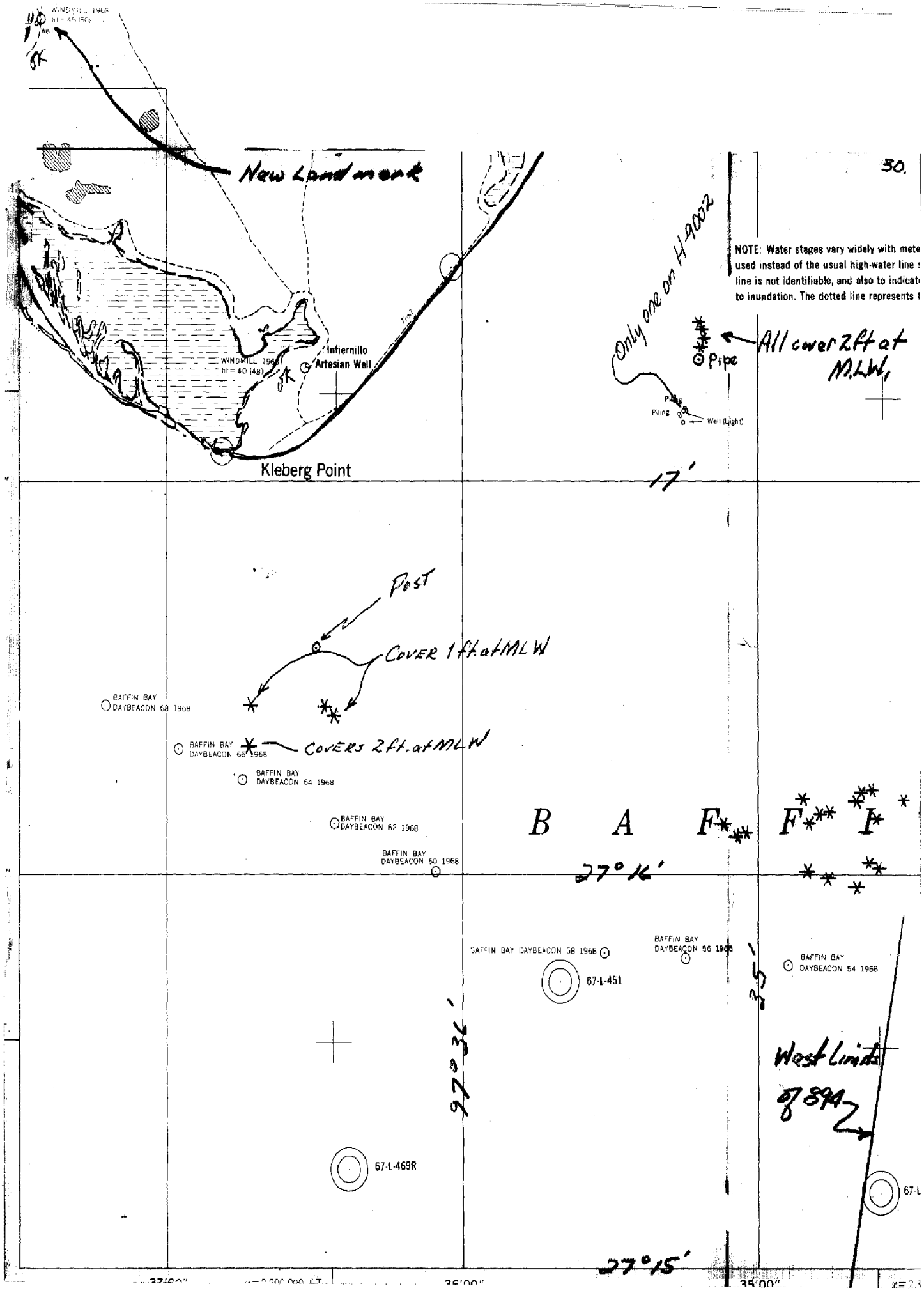
~~Chief, Chart Division~~

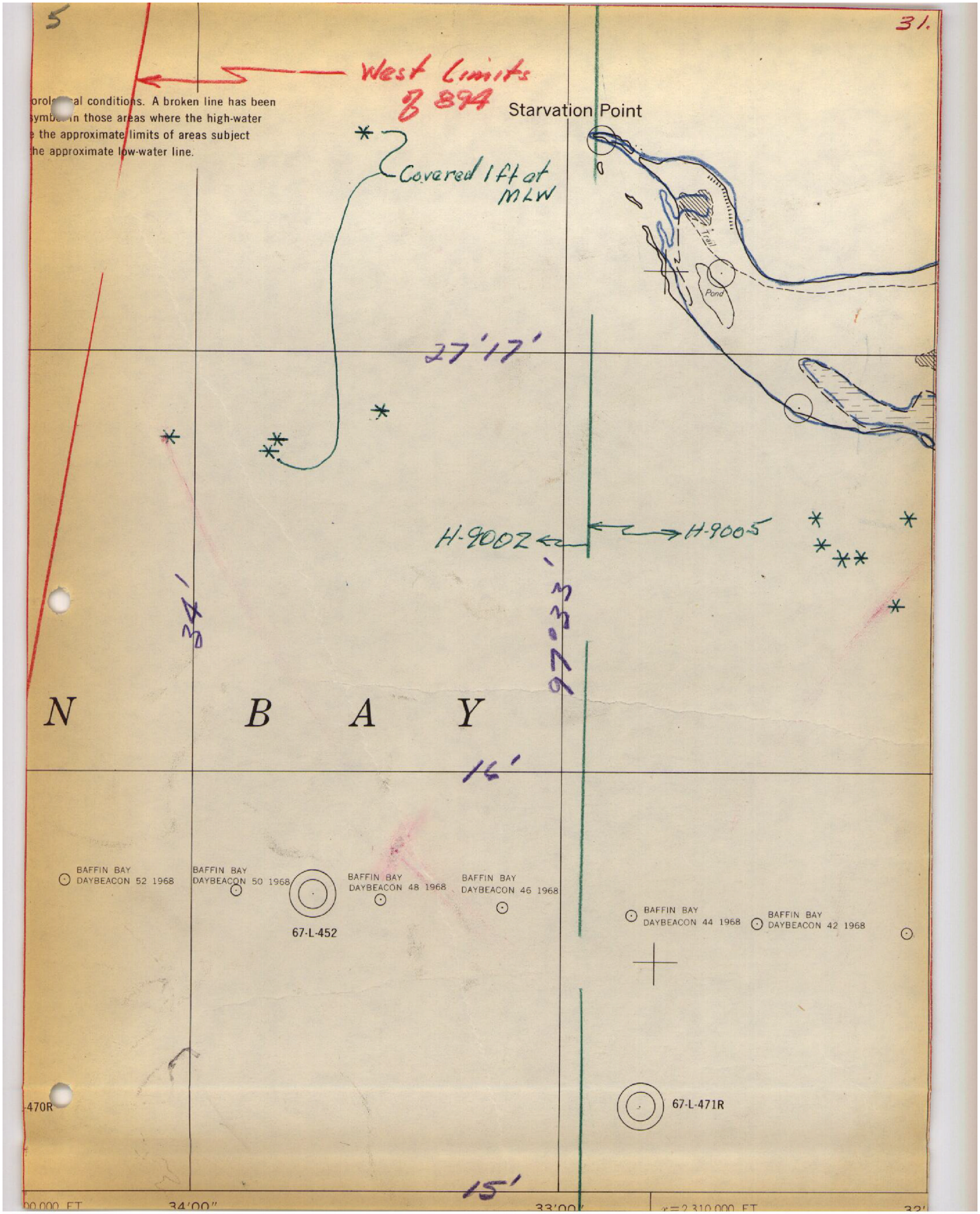
~~Chief, Operations Division~~

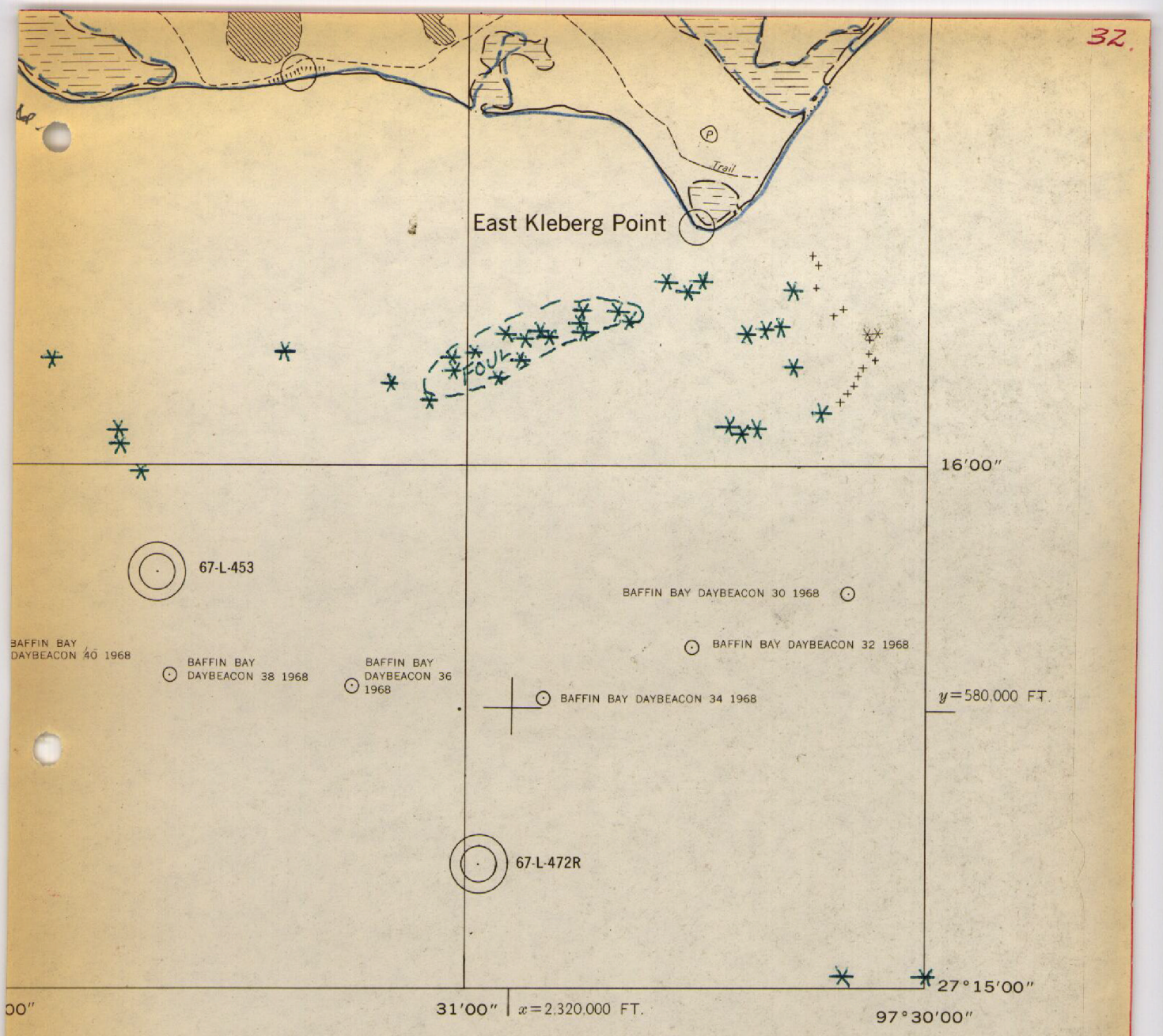

x = 2,310,000 FT.
32'00"
31'00"
x = 2,320,000 FT.
97°30'00"
27°2
67-L-510R
67-L-405
Pond
67-L-406
67-L-511R
sand and mud
S & M
COMITAS LAKE
y = 62
22'0
21'0
97°31'
30'
y = 61
Pond
E
Aceitero
Flowing Well
27°20'
20'C


28.1
WINDMILL 1968
67-L-431
67-L-490R
67-L-430
sand and mud
Cayo del Infiernillo
New Landmark
20'
27° 19'
97° 33'
All covered 2 ft at MLW
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
West limits of 894
H-9002
H-9005 A
18'


3
29.
A
B
A
N
67-L-429
67-L-488R
19'00"
A
y = 600.000 FT.
31'
97°30'
18'00"
New Landmark
Trail
P
Pond
P
WINDMILL 1968
ht = 45 (55)
Tiburcio
Artesian Well
P
Trail
Trail
Trail
Trail
y = 590.000 FT.
17'00"


New Landmark
30.
NOTE: Water stages vary widely with mete
used instead of the usual high-water line
line is not identifiable, and also to indicat
to inundation. The dotted line represents
Only one on 1949?
All cover 2ft at M.L.W.
Pipe
Piling
Piling
Well (Light)
WINDMILL 1968
ht = 40 (48)
Infiernillo
Artesian Well
Kleberg Point
17'
Post
Cover 1ft. at MLW
BAFFIN BAY
DAYBEACON 68 1968
BAFFIN BAY
DAYBEACON 66 1968
Covers 2ft. at MLW
BAFFIN BAY
DAYBEACON 64 1968
BAFFIN BAY
DAYBEACON 62 1968
BAFFIN BAY
DAYBEACON 60 1968
B A F F I
27°16'
BAFFIN BAY DAYBEACON 58 1968
67-L-451
BAFFIN BAY
DAYBEACON 56 1968
BAFFIN BAY
DAYBEACON 54 1968
35'
97°36'
West limit
of 894
67-L-469R
67-L
27°15'
35'00"


5
31.
West limits
Z 894
orol al conditions. A broken line has been
symb n those areas where the high-water
e the approximate limits of areas subject
he approximate low-water line.
Starvation Point
Covered 1 ft at MLW
Trail
Pond
27'17'
H-9002
H-9005
24'30
N B A Y
14'
BAFFIN BAY DAYBEACON 52 1968
BAFFIN BAY DAYBEACON 50 1968
BAFFIN BAY DAYBEACON 48 1968
BAFFIN BAY DAYBEACON 46 1968
67-L-452
BAFFIN BAY DAYBEACON 44 1968
BAFFIN BAY DAYBEACON 42 1968
67-L-471R
-470R
15'
00,000 FT
34'00"
33'00"
x=2,310,000 FT



tal control station of third-order or higher accuracy
tal control station of less than third-order accuracy
ow water line
lefines the outer limits of vegetation visible above
igh water.
defines the approximate mean high water.
rammetric methods, from aerial photographs

	March	1967
tion	None	
	March	1968
lation	April	1968
	May	1969

U.S. COAST AND GEODETIC SURVEY

SHORELINE MANUSCRIPT

T - 13015

TEXAS

BAFFIN BAY

STARVATION POINT

SCALE 1:20,000

(1 inch = 1666.67 ft.)

CONTROL DATA

Polyconic projection: 1927 North American Datum

10,000 foot grid based on Texas (South Zone) plane coordinate system

Datum plane: Mean High Water

T-13015

NOTES TO VERIFIER
T-13015 JOB PH-6711
BOAT SHEET NO. H-9002 (745-20-1-68), H-9005 (745-20-2-68)

Please note Item 64 of the Descriptive Report for T-13015 and pages 27 thru 32 .