9217

Diag. Cht. No. 1288

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey PLANIMETRIC

Field No. Ph-36(48)F Office No. T-9217

LOCALITY

TEXAS

General locality LAGUNA MADRE

Locality THREE ISLANDS TO ARROYO COLORADO CUTOFF

CHIEF OF PARTY

G.E.Morris, Jr. Chief of Field Party. A.L. Wardwell, Tampa Photogrammetric Office

LIBRARY & ARCHIVES

DATE Dec 17-1953

DATA RECORD

T-9217

Project No. (II): Ph-36(48)F

Quadrangle Name (IV):

Field Office (II): Brownsville, Texas

Chief of Party: George E. Morris, Jr.

Photogrammetric Office (III): Tampa, Florida

Officer in Charge: Arthur L. Wardwell

Instructions dated (II) (III): 14 February 1949 Copy filed in Division of Photogrammetry (IV) Office Files

Method of Compilation (III):

Graphic

Manuscript Scale (III): 1:20,000

Stereoscopic Plotting Instrument Scale (III): Inapplicable

Scale Factor (III): None

Date received in Washington Office (IV):07 = 9 1951 Date reported to Nautical Chart Branch (IV): NOV 1.5 1660

Applied to Chart No. 897

Date:

Date registered (IV):

8-18-53

Mat to be published Publication date (IV):

Geographic Datum (III):

N.A. 1927

Vertical Datum (III):

MX36GCCX3CCXGCCCXCXCCCCXXXXX

Elevations shown as (25) refer to mean high water Elevations shown as (5) refer to sounding datum i.e., mean low water or mean lower low water

Reference Station (III):

LUTTES. 1939

Lat.: 26°15'37"856 (1165.CM) Long.: 97°19'40.965 (1136.7M)

Adjusted UNIX DISTRICT

Plane Coordinates (IV):

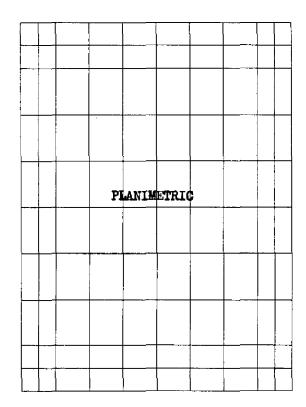
State:

Zone:

X =

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.



Areas contoured by various personnel (Show name within area)
(II) (III)

DATA RECORD

Field Inspection by (II): W. H. Nelson

J. H. Clark

W. M. Reynolds

Date: April - June 1950 July 1950

July 1950

Planetable contouring by (II): Inapplicable

Date:

Completion Surveys by (II): W. H. Shearouse

Date: 19 March 1952

Storm and

Mean High Water Location (III) (State date and method of location):

Air Photo Compilation

14 July 1950

Projection and Grids ruled by (IV): S. R. (W.O.)

Projection and Grids checked by (IV): H.D.W. (W.O.)

Date: 18 Sept. 1950

18 Sept. 1950 Date:

Control plotted by (III): I. I. Saperstein

19 Jan. 1951 Date:

Control checked by (III): R. J. Pate

30 Jan. 1951 Date:

Radial Plot MOSCOPISCOPIC

CHRECADENSIEN by (III): M. M. Slavney

Date:

22 Mar. 1951

Planimetry

Contours

Stereoscopic Instrument compilation (III): Inapplicable Date:

Date:

Manuscript delineated by (III):

R. Dossett

20 Aug. 1951 Date:

Photogrammetric Office Review by (III):

J. A. Giles

31 Oct. 1951

Elevations on Manuscript

checked by XXX (III):

J. A. Giles

Date:

30 Oct. 1951

Camera (kind or source) (III): U. S. C. & G. S. Nine-lens, 81 in. focal length and Fairchild Cartographic - 6" Metrogon lens, Camera "O"

		PHOTOGRAPHS (III)	
Number	Date	Time	Scale	Stage of Tide
25736	May 4, 1950	1406	1:20,00	No tide
25737	p # 2	1407	11	II .
25738	11	1408	ii .	H .
48-0-1425	Dec. 8, 1948	1426	ıi	ii .
1426-1427	et .	1427	H.	" Range of,
1428	ii .	1428	. 11	Range of is less in than 1/2 foot
1429	Ħ,	1429	11	11. than 1. foot
1456	11	1450	ı	H -
1457	· ·	1451	II .	N .
1458	ii ii	1452	ii ii	H.
1459	n	1453	ii .	ii.
1465	ij	1504	II.	ij
1468	11	1508	ij	ij
1469-1470		1509 Tide (III)	· ·	ű

Reference Station:

Subordinate Station:

Inapplicable

Subordinate Station:

Washington Office Review by (IV): C. Handrich

Final Drafting by (IV): 66) Lenter

Drafting verified for reproduction by (IV): Will Hallen

Proof Edit by (IV):

Land Area (Sq. Statute Miles) (III):

Shoreline (More than 200 meters to opposite shore) (III): 39 39 Shoreline (Less than 200 meters to opposite shore) (III): 0.0

Control Leveling - Miles (II): 0.0

Number of Triangulation Stations searched for (II):

Number of BMs searched for (II):

Number of Recoverable Photo Stations established (III): Number of Temporary Photo Hydro Stations established (III): 0.0

Remarks:

Ranges Range Range

Mean |

Ratio of

20

Recovered:

Recovered:

Date: 31 July 1952

Spring

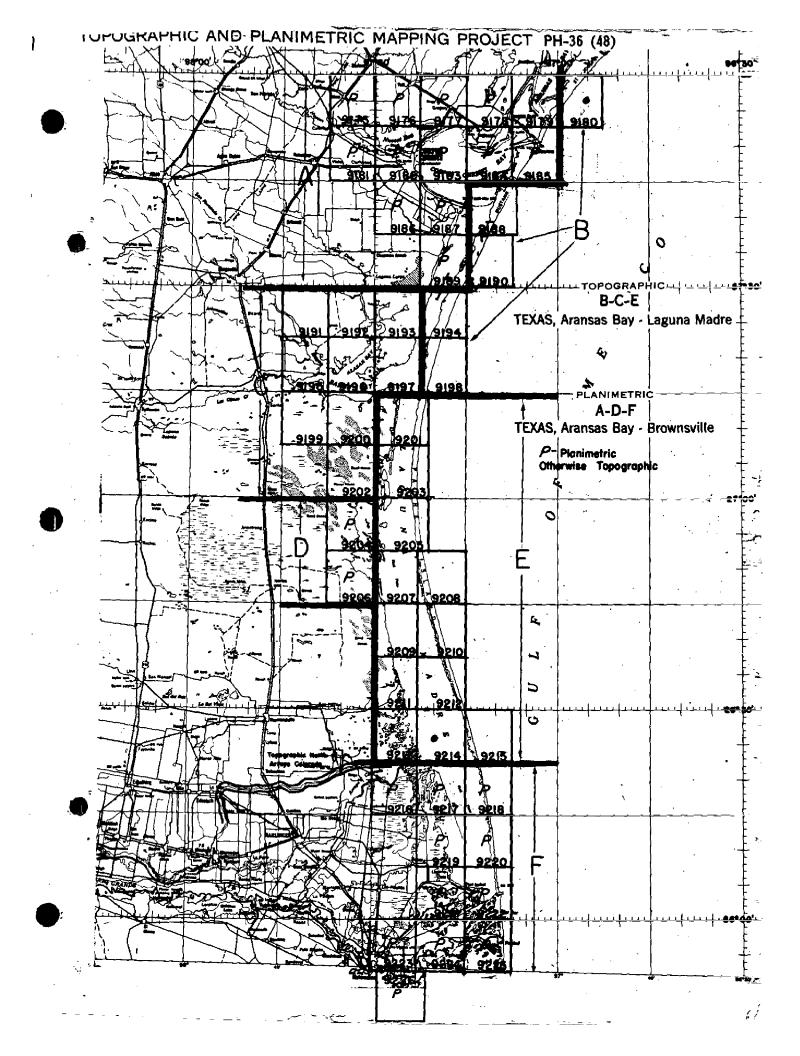
Date: 6-11-53

Date: 6-10-53

Date: 1-6-53

Identified:

Identified:



Summery T- 9217

Project Ph-36(hd) echolate of fifty-two quadrongles an 1:20,000, each 7.5 minuted in latitude and longitude, covering the Gulf Coast of Tenas and the Intracoastal Materway from Araness Bay to Bremsville and the Mexican Revelor. Adjoining the project to the north is a sories of churchies ourreys in Part IV of Project Ph-14(h6).

Information someorning Ph-36(48) in 150 breader capacit will be included in a project completion repert to be complied at the sometwater of the review of all marrow in this project.

Then by old of the quadrangles in this project are supegraphic aurrops and are to be published at leak,000 and by the sealingted survey. The other twenty-six that angles are pleasantie surveys. Of these, nineteen are to be used as bases by the Goslogical survey for the complication of 7.5 minute topographic quadrangles and will not be published as planimetrie maps. The remaining serve, T-9175, T-9176, T-9177, T-9181, T-9189, T-9204, and T-9206, will be published as planimetrie maps.

Indiababased linguaged paint to the crightial boales of the crighties are computation as all the control of the

all special reports except the Geographic Names Report will be filed in the Project Completion Report.

2. AREAL FIELD INSPECTION

This area lies in the southern portion of Laguna Madre and just south of the mouth of Arroyo Colorado.

The greater part of the area is the Laguna Madre. The remainder is mud and sand flats, a few islands, and a narrow band of the mainland.

Cattle ranching, vegetable and cotton farming, are the chief industries, with cotton being the most important crop.

No difficulty was encountered when interpreting the photographs. Tone graduations vary from white to black. The white tones are spoil dumps, sand areas, and sand and mud flats; light gray tones are sand and mud flats with mud predominating, and light grassy areas; dark gray tones are grass covered areas which are flooded at times, areas of low mesquite and huisache and some intermittent ponds; the black tones are water or low grassy areas which contained water at the time of photography.

Interior field inspection was done on nine lens photograph No. 25737 and single lens photograph No. 48-0-1469.

3. HORIZONTAL CONTROL

The following are triangulation stations established by this party as supplemental control, aids to navigation, or supplemental stations needed to locate aids to navigation, using third-order methods: HORSE (USE) 1950; BUENA VISTA WINDMILL 1949; HARLINGEN ENTRANCE LIGHT 10 1950; CORPUS CHRISTI-PORT ISABEL LIGHT 326 1949; HARLINGEN-PORT ISABEL LIGHT 2 1949; HARLINGEN-PORT ISABEL LIGHT 9 1950; HARLINGEN-PORT ISABEL LIGHT 29 1950; HARLINGEN-PORT ISABEL LIGHT 39 1950; HARLINGEN-PORT ISABEL LIGHT 49 1950.

See "Special Report, Supplemental Third Order Control and Aids to Navigation, Project Ph-36(48), Baffin Bay to Arroyo Colorado", and "Special Report, Aids to Navigation, Project Ph-36(48), Arroyo Colorado to Brazos Santiago."

Two stations, COLORADO 1879 and ARMADILLO 2 1913, were reported lost. The reference mark at each of these stations was recovered and identified for control of the radial plot.

The following traverse stations were established by the agencies as indicated. No datum adjustments of any kind were made: DOVE USE 1947; RL1 ARROYO COLORADO USE 1947; RL2 ARROYO COLORADO USE 1947; JBL 14 USGS; JBL 25 USGS; JBL 26 USGS; JBL 27 USGS.

Horizontal control was identified on the following single lens 1:20,000 scale, field photographs: 48-0-1456, 48-0-1457, 48-0-1458, 48-0-1459, and 48-0-1469.

Datum corrections were applied to the stations underlined in red to transpose them from the N.A. to the N.A. 1927 datum.

4. VERTICAL CONTROL

The following are second-order bench marks established by the C&GS which were recovered: X 675, Y 675, Z 675, N 676, P 676, Q 676, LUTTES TRIANGULATION STATION, LUTTES RM NO 1, LUTTES RM NO 2, JBL 14(USGS), JBL 26(USGS).

The following are bench marks of the USGS, accuracy unknown, which were recovered: JBL 25 1929, JBL 27 1929.

As this is a planimetric quadrangle, no additional levels were run.

Bench marks were identified on the following 1:20,000 scale, single lens, ratio field photographs: 48-0-1456 through 48-0-1459.

5. CONTOURS AND DRAINAGE

No contouring was done as this is a planimetric quadrangle.

There is no prominent drainage system. All drainage is intermittent.

6. WOODLAND COVER

There are a few small areas of growth classified as "TM". Along the Laguna Madre a few areas are covered by mesquite, cactus, and huisache, and was classified "Scrub". Otherwise, the area is either under cultivation or is grass covered.

7. SHORELINE AND ALONGSHORE FEATURES

For mean high water line and mean low water line, see "Special Report, Identification and Delineation of the Shoreline of Laguna Madre, Project Ph-36(48)."

For practically the entire length, an earth bank parallels the Laguna Madre, and varying in elevation from 4 to 15 to 20 feet at the top edge.

8. OFFSHORE FEATURES

There are no offshore features.

9. LANDMARKS AND AIDS

There are no landmarks for nautical charts or aeronautical aids.

For fixed aids to navigation, see "Special Report, Supplemental Third Order Control and Aids to Navigation, Project Ph-36(48), Baffin Bay to Arroyo Colorado", and "Special Report, Aids to Navigation, Project Ph-36(48), Arroyo Colorado to Brazos Santiago."

10. BOUNDARIES, MONUMENTS, AND LINES

Seven boundary monuments of a U. S. Fish and Wildlife Service Game Refuge were recovered and identified on photographs as follows:

MONUMENT	PHOTOGRAPH NO.
NO 5 TRACT 48A	48-0-1456} Butside project 48-0-1456} limits.
NO 7 TRACT 48	48-0-1456) limits.
NO 16	48-0-1459
NO 17	48-0-1458
NO 18	48-0-1458
NO 19	48-0-1458
NO 20 COR 2 TRACT 48	48-0-1458

11. OTHER CONTROL

LUTTES AZ MK (1939), 1950

Two recoverable topographic stations, U. S. Fish and Wildlife Service Boundary Monument No. 18 and SLAM 1950, were identified on photographs 48-0-1458 and 48-0-1470, respectively.

12. OTHER INTERIOR FEATURES

All roads are classified according to Photogrammetry Instructions No. 10, dated 14 April 1947, as amended 24 October 1947.

Buildings are classified according to Photogrammetry Instructions No. 29, dated 1 October 1948.

13. GEOGRAPHIC NAMES ON THE

See "Special Report, Geographic Names, Project Ph-36(48), Port Mansfield (Red Fish Landing) to the Rio Grande."

14. SPECIAL REPORTS AND BUPPLEMENTAL DATA

"Special Report, Supplemental Third Order Control and Aids to Navigation, Project Ph-36(48), Baffin Bay to Arroyo Colorado", forwarded to Washington Office 13 March 1950.

"Special Report, Aids to Navigation, Project Ph-36(48), Arroyo Colorado to Brazos Santiago", forwarded to Washington Office 17 July 1950.

"Special Report, Geographic Names, Project Ph-36(48), Port Mansfield (Red Fish Landing) to the Rio Grande", forwarded to Washington Office 6 June 1950.

"Special Report, Boundaries, Project Ph-36(48), Baffin Bay to the Rio Grande", forwarded to Washington Office 8 June 1950.

Form 567, forwarded to Baltimore Office 17 July 1950 on letter of transmittal Ph-36 Field 71.

Geodetic Data, Aids to Navigation, Arroyo Colorado to Brazos Santiago, forwarded to Washington Office on letter of transmittal Ph-36 Field 70, 17 July 1950.

Geodetic Data and Form 567, Supplemental Third Order Control and Aids to Navigation, Baffin Bay to Arroyo Colorado, forwarded to Washington Office on letter of transmittal Ph-36 Field 56, 13 March 1950.

"Special Report, Identification and Delineation of the Shoreline of Laguna Madre, Project Ph-36(48)", to be forwarded at a later date.

Data, Quadrangle T-9217(), forwarded to Baltimore Office 28 July 1950, on letter of transmittal Ph-36 Field 78.

Submitted 26 July 1950

James H. Clark

Cartographic Survey Aid

Approved 28 July 1950

George E. Morris, Jr.

Genze C. Monin Ja.

Chief of Party

COMPILATION REPORT T-9217

PHOTOGRAMMETRIC PLOT REPORT.

Submitted with T-9220.

31. DELINEATION.

The graphic method was used. The scale of the single-lens photographs was good. The scale of the nine-lens photographs was poor and the projector was used in the delineation of the shoreline which was taken from them.

The field inspection was adequate.

32. CONTROL.

Sufficient secondary control was established and placement was such that no difficulty was encountered in securing detail points. 2 Forms M-2388-12 for T-9217 are enclosed in the Descriptive Report for T-9220.

33. SUPPLEMENTAL DATA.

None.

34. CONTOURS AND DRAINAGE.

The drainage was delineated as shown by field inspection on the photographs.

Contours are inapplicable.

35. SHORELINE AND ALONGSHORE DETAILS.

The shoreline inspection was adequate.

All shoreline and alongshore details have been shown according to field inspection.

Reference is made to Item 7 for further information relative to shoreline.

36. OFFSHORE DETAILS.

None.

37. LANDMARKS AND AIDS.

No statement required.

38. CONTROL FOR FUTURE SURVEYS.

Two (2) topographic stations are being submitted on Form 524. These topographic stations have been listed and included under Item 49.

39. JUNCTIONS.

A satisfactory junction has been made with T-9214 on the north, T-9216 on the west, T-9218 on the east and T-9219 on the south.

40. HORIZONTAL AND VERTICAL ACCURACY.

No statement required.

41. BOUNDARIES.

The limits of LAGUNA ATASCOSA NATIONAL WHIDLIFE REFUGE were reduced by pantograph from a plat made by the Department of the Interior and furnished the Tampa Office by the field party. This reduction was controlled by recovered monuments and features such as roads, fences and the like, visible on the photographs.

46. COMPARISON WITH EXISTING MAPS.

A comparison was made with topographic quadrangle BUENA VISTA, TEXAS, U. S. Geological Survey scale 1:31,680, edition of 1935, reprinted 1945. No comparison with the M. H. W. L. was made because the storm water line has been shown on the manuscript in its stead. Otherwise no outstanding differences were noted.

47. COMPARISON WITH NAUTICAL CHARTS.

Comparison was made with U. S. C. & G. S. Nautical Chart No. 1288, published September 1941 and corrected to 13 October 1950.

The shoreline as shown on the chart compares favorably with the storm water line except for a small area just north of "Arrayo Colorado Cutoff" which seems to have filled.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY.

None.

ITEMS TO BE CARRIED FORWARD.

None.

Rudolph Dossett Carto. Photo. Aid

APPROVED AND FORWARDED:

Arthur L. Wardwell,

Chief of Party

48. GEOGRAPHIC NAME LIST.

- · ARROYO COLORADO CUTOFF
- BUENA VISTA RANCH
- CALLO ATASCOSO CAMERON COUNTY COLORADO ISLAND COMMISSIONERS PRECINCT NO. 1
- · EAST PASTURE
- . EL MORRO
- HERON ISLAND
- · HOBNAIL ISLAND
- HORSE ISLAND
- INTRACOASTAL WATERWAY
- · LAGUNA MADRE
- · LAGUNA ATASCOSA
- · LAGUNA ATASCOSA NATIONAL WILDLIFE REFUGE
- MC GILVERY ISLAND
- · RATTLE SNAKE ISLAND
- · RED HEAD BLUFF
- · RED HEAD COVE
- RESACA DE LOS CUATES
- RINCON BUENA VISTA
- RINCON DE GUAJARDO

TEXAS

THREE ISLANDS

TOWN SITE POINT

· YUCCA ISLAND

TOWN SITE POINT

WORTH POINT (names report has Morth Pt.)

YUCGA ISLAND

Cameron Co.

Are approved. 7-31-52

L. Heck

49. NOTES FOR THE HYDROGRAPHER.

Following is a list of topographic stations that may be useful to the hydrographer:

SLAM, 1950

U. S. FISH & WILDLIFE SERVICE

BOUNDARY MON. NO. 18, 1950

LUTTES AZ MK (1939), 1950 (Form 524 was not submitted for this stan).

Field Edit Report, T-9217

51. Methods. -- All roads were travelled by truck to check their classification and to answer questions raised by the reviewer. At the same time all other planimetric features were verified as to their existance and classification. Boundaries and Geographic Names were checked with the manager of the Wildlife Refuge.

Deletions, additions and corrections were made on the Field Edit Sheet, Discrepancy Print and photographs 48-0-1456, 1457 and 1458.

Violet ink was used for additions and corrections; green for deletions.

- 52. Adequacy of compilation .-- In general the compilation appears to be very good and will be complete after application of field edit information.
- 53. Map accuracy .-- No accuracy test was specified. From visual inspection only, the horizontal accuracy of the map details appears good.
 - 54. Recommendations .-- None offered.
- 55. Examination of proof copy.--It is recommended that the proof copy of the map be sent to Mr. Luther C. Goldman, Manager, Laguna Atascosa National Wildlife Refuge, U. S. Post Office Building, San Benito, Texas, for examination.

Geographic names .-- Two discrepancies in charted names were noted.

It is recommended that the name WORTH POINT be changed to NORTH POINT. It applies to an entire peninsula, not one point of land as shown on the map manuscript. The name has been correctly placed on the Field Edit Sheet. The authority for this correction is the Manager of the Laguna Atascosa National Wildlife Refuge and other local citizens. It is also noted that NO. PT. is recorded on name sheet No. 1 of the Geographic Names Report (Port Mansfield to the Rio Grande).

The name mapped CALLO ATASCOSO should be changed to CAYO ATASCOSA. Local authorities agree that CAYO more nearly fits the feature, as it is translated "shoal" whereas CALLO means "callus", "corn" or "bunion". The final letter "A" is recommended instead of "O" to agree with the spelling of Laguna Atascosa and Laguna Atascosa National Wildlife Refuge.

Respectfully submitted, 19 March 1952

William H. Shearouse, Cartographer

William H. Shearouse

Programmetric review section

COMMERCE DEPARTMENT

U. S. COAST AND GEODETIC SURVEY

NONFLOATING AIDS FOR CHARTS

TO BE CHARTED

STRIKE OUT ONE

Tampa Photogrammetric Office, Tampa, Flo. 27 July

1. 1947

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

The positions given have been checked after listing by Rudolph Dossett, Tanna Photogrammetric

Chief of Party.

Arthur L. Wardwell

	S A XAT		***		POSITION			METHOD			CHVS.	. I character
BTATE			LAT	LATITUDE	LON	LONGITUDE		LOCATION		OKE C	звок	CHARTS AFFECTE
CHARTING	DESCRIPTION	SIGNAL	-	D. M. METERS	-	D. P. METERS	DATUM	SORVEY No.	LOCATION		S#40	
LT. 10	HARLINGEN ENTRANCE - Med triangular daymark with yellow borders on		72 27	234.35	97 20	326.9251.A.	_	Triang.	1950	×	12	1288 897
	Four pile dolphin, 20 ft.high											
.T. 326	COMPUS CHRISTI - FORT ISABEL Red triangular daymerk with yellow		26 22	39:15 156.6	97 19	300 1200 . 0	=	=	6 1 61	X	-	66%
	border on 3 pile dolphin 17 ft high							-				
C)	HARLINGEN-PORT ISABEL. Red tri- angular daymark with yellow border		77 78 78	589.9	97 19	157.025 628.1	=	8		×	-	847
	on 3 pile dolphin 17 ft.high								<u>.</u>			
т. 9	HARLINGEN-FORT ISABEL. Black square daymark with yellow borders on a		26 26	265.5 1062.0	97 18	406.725 1626.9	=	=	1950	×	=	697
	pile dolphin 17 ft. figh											
T. 19	2		26 19	462.95 651.8	97 18	712.2	=	=		×	- 8	7 69 7
T. 29	=		26 18	238.5	97 17	365.05 1460.2	Ξ	=		×	x	647
T. 39	=		26 16	1669.5	21 14	543.8	=	=	Ţ.	×	•	897
T. 49	*		26 15	1196.2	91 16	364.55	5	=		<u>×</u>		197
	det 897 dates about 2 mg 11-29-53	161 C 10	67-11 1 3	-53-							<u>-</u>	18

This form shall be prepared in accordance with Hydrographic Manual, pages 800 to 804. Positions of charted landmarks and nonfloating

PHOTOGRAMMETRIC OFFICE REVIEW

T-

	CONTROL STATIONS
5. Horizontal control stations of third-order	or higher accuracy M.M.S. 6. Recoverable horizontal stations of less
	ions) J.G. XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
	notogrammetric plot report <u>J.G.</u> 11. Detail points <u>J.G.</u>
	ALONGSHORE AREAS
	(Nautical Chart Data)
12. Shoreline J.G. 13. Low-water line_	J.G. 14. Rocks, shoals, etc. J.G. 28.Z8.3568 ZXZXZX 16. Aids
to navigation J.G. IVXXXXXXXXXX	18. Other alongshore physical features19. Other along
shore cultural features <u>vala</u>	
	PHYSICAL FEATURES
20. Water features 🛂 🕒 21. Natural gr	round coverJ.G 22XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
BOKBIKO BOKO KAMBANZA XZ XZ XZ XZZA XZDOBO Z	KANK ZURBINA KZ XZ XZ XZZZ KORI ZBINGKINIZKZ XZ XZX. 26. Other physical
features J.G.	
	CULTURAL FEATURES
27. Roads J.G. 28. Buildings J.G.	ZEZRENTEGESCZXZXXX 30. Other cultural features JeGe
	BOUNDARIES
31. Boundary lines J.G. 23 XPUSTUSA	rangas x2xxxxxx
	MISCELLANEOUS
.	ons J.G. 35. Legibility of the manuscript 3.G. Discrepancy
	38. Field inspection photographs39. Forms
	William A. Rasure wm. a. C.
(Raviewer	Supervisor, Review Section or Unit
41. Remarks (see attached sheet)	
FIELD COMPLETION AD	DDITIONS AND CORRECTIONS TO THE MANUSCRIPT
	the field completion survey have been applied to the manuscript. The ed under item 43.
manuscript is now complete except as note	

REVIEW REPORT Planimetric Map T-9217 31 July 1952

62. Comparison with Registered Topographic Surveys:

T-1476 A & B

(1879-80)

1:20,000

The Intracoastal Waterway, including other cultural features, have been constructed since the old surveys.

The old topographic surveys are superseded by the new map (T-9217) for nautical charting.

63. Comparison with Maps of Other Agencies:

Buena Vista Quadrangle, USGS, Edition 1935, Reprint 1945, 1:31,680

The Intracoastal Waterway does not appear on the USGS map.

64. Comparison with Contemporary Hydrographic Surveys:

None

65. Comparison with Nautical Charts:

Chart No. 1288, 15 January 1951, 1:80,000 (See Item 47.)

66. Adequacy of Results and Future Surveys:

This map complies with the project instructions and the National Map Accuracy Standards.

Water stages in this area vary widely with meteorological conditions. In view of this, it was decided to omit the high-water line where it is indefinite and unmarked by visible evidence on the ground, and in its place to indicate by a broken line symbol the approximate limits of areas which were subject to imundation. This decision was arrived at mainly for these reasons:

- (1) The difficulty encountered in identifying the MHW line from photographs of this area as well as other similar areas throughout the project.
- (2) It was considered impractical to resolve this situation by extensive leveling.

For a more detailed study and investigation of this problem, refer to the completion report which will be submitted when the review of the surveys on this project has been completed.

The reasons and the decision reached in adopting the special treatment accorded to the shoreline delineation are discussed in the pages of correspondence and instructions attached to the Descriptive Report for T-9211.

Reviewed by:

Charles Hanavich

Approved by:

Chief, Review Jection B Division of Photogrammetry Chief, Nautical Chart Branch

Chief, Div. of Photogrammetry

Chief, Div. of Coastal Surveys

NAUTICAL CHARTS BRANCH

SURVEY NO. 7-9217

Record of Application to Charts

DATE	CHART	CARTOGRAPHER	REMARKS
	897	GEARHART	Before Agents Verification and Review
16-55	897	Malros	Refer After Verification and Review 3 ^M
- <i>18-5</i> 9	12.88	a.J. Hoffman	Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
	ļ, 		Before After Verification and Review
		<u> </u>	Before After Verification and Review
			Before After Verification and Review
		-	·

M-2168-1

A basic hydrographic or topographic survey supersedes all information of like nature on the uncorrected chart. Give reasons for deviations, if any, from recommendations made under "Comparison with Charts" in the Review.