5355

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Form 504 Ed. June, 1928

DEPARTMENT OF COMMERCE

U. S. COAST AND GEODETIC SURVEY R. S. Patton, Director

State: Texas

DESCRIPTIVE REPORT Topographic Sheet No. 5355

Hydroprodda

LOCALITY

Matagorda Bay

YICINITY OF CARANCAHUA BAY.

1934

CHIEF OF PARTY

applied to chart 1284, Jan 17, 1938 J.G.L.

DEPARTMENT OF COMMERCE U.S. COAST AND GEODETIC SURVEY

TOPOGRAPHIC TITLE SHEET

The Topographic Sheet should be accompanied by this form, filled in as completely as possible, when the sheet is forwarded to the Office.

Field No....5.

REGISTER NO. 5355

State Texas
General locality Matagorda Bay VICINITY OF CARACAHUR BAY
VICINITY OF CARACAHUA BAY. Locality. Olivia-to-Palacios
Photographs: December 19, Scale 1/20,000 Date of sarvey 1933 Compilation: April-May-June 1933
Vessel U. S. Army Air Corps. Comera: Fairchild T-3A, 31-76 Compilation Party # 20, Corpus Christi, Texas.
Chief of party. Ensign T. M. Price. Jr.
Surveyed by See data sheet in the descriptive report.
Inked by. W. H. Burwell
Heights in feet aboveto ground to tops of trees
Contour, Approximate contour, Form line intervalfeet
Instructions dated November 7, 1933
Remarks: Compilation of aerial photographs J5-25, inclusive.
Sheet reduced to scale and printed by photo-lithographic process.

-NOTES ON COMPILATION-

SHEET NO. FIELD 5 (Reg. No. 5355)

PHOTOS: No. "J"-5 to "J"-25 inclusive

(N.A. 1927)

TIME: 9:48 to 10:02 A.M. DATE OF PHOTOGRAPHS: December 19, 1933 Date By (sgd) C. H. Rulfs 4/12/34 SCALE FACTOR (0.985) (sgd) T. M. Price Jr 4/17/34 PROJECTION (sgd) W. H. Burwell 4/18/34 PROJECTION CHECKED (sgd) W. Mack Crook 4/19/34 CONTROL PLOTTED (sgd) W. H. Burwell 4/20/34 CONTROL CHECKED (sgd) W. H. Burwell 5/ 3/34 SMOOTH RADIAL LINE PLOT 5/15/34; 6/30/34 (sgd) W. H. Burwell DETAIL INKED AREA OF DETAIL INKED 33.5 SQ. STATUTE MILES STATUTE MILES. 47.1 IE NGTH OF SHORE LINE OVER 200 m. STATUTE MILES. 11.3 LENGTH OF SHORE LINE UNDER 200 m. GENERAL LOCATION Matagorda Bay Olivia to Palacios Vicinity of Carancahva Bay LOCATION Latitude 28°-38'-31.242" (+961.8 m.) Longitude 960-191-21.466" (+583.0 m.) DATUM STATION Well Point 1856, 1931 (position from adjusted office list)

COMPILER'S REPORT

PHOTO TOPOGRAPHIC SHEET FIELD NO. 5 (Reg. No. 5355)

1. GENERAL INFORMATION

This sheet was compiled from photographs taken by the U. S. Army Air Corps using Fairchild T-3A camera # 31-76. The photographs used are # 5 to # 25 inclusive, "J" flight. The flight for the photographs were made December 19, 1933 at 9:48 to 10:02 A. M.

The tide in Matagorda, Carancana, Turtle and Trespalacios Bays is small and the only difference in its stage that would effect interpretation of the aerial photographs would be caused by strong winds. The height of water at the time the pictures were taken, however, is considered normal.

2. CONTROL

(a) Sources

Triangulation by Lieut. E. O. Heaton, 1934
Triangulation by Knsign T. M. Price, 1934
Triangulation by Knsign T. M. Price, 1934
This control is on the 1927 N. A. Datum. for 1934 triangulation
The field parties geographic positions were used. The difference between the unadjusted and final adjusted positions would be unplottable at the scale of this compilation. Harbor U. S. E., a station of the U. S. E. D. 1930 triangulation was not cut in by C. and G. S. triangulation, but was plotted on sheet from position obtained by adjusting from other U. S. E. stations of the same scheme that were located in 1934 by C. and G. S. This position was checked by the radial plot.

(b) Errors

No errors in control were found by the radial line plot, with the exception of small errors in location of control in photographs, in one or two instances. This was most noticeable in the case of R. M.# 1, Well Point # 2, but the proximity of this station to Well Point 1856 rendered it unnecessary for control use. In every instance the abundance of strong surrounding control guaranteed the accuracy of the radial plot and subsequent tracing.

(c) Remarks

The hydrographic stations (shown by black circles) were located on the ground and directly on the photographs by the field inspection party, and their positions are established by the radial plot only.

3. COMPILATION

(a) Method

The usual radial line method of plotting from five lens photographs was used in the compilation of this sheet. There was no departure from the standard practice.

3. COMPILATION (Cont'd)

(b) Adjustment of Plot

No particular difficulty was encountered and no unusual adjustments of the plot were necessary. Instead there was an exceptional freedom from tilt and scale fluctuation. The control was plentiful, and in general, of such strength and distribution as to give good intersections.

(1) Trimming and Mounting

Most of the field prints on the "J" flight were lost when a skiff capsized during the field inspection, and the field inspection notes were made on the office prints.

The trimming distance for the D-wing was found to be 68.5 mm. instead of 69.4 mm. and 68.5 mm. instead of 69.0 mm.

The fact that the office prints were received from the Air Corps trimmed and mounted, and the field prints trimmed proved a handicap. It was found necessary to remount the office prints, and tape was substituted for the wire clips with which they had been mounted. It was difficult, and impossible in some cases, to secure correct matching of detail, and the collimating distance was not perfectly correct as aforementioned. A correct value for the mounting distance was obtained from prints which had sufficient detail and this value used in mounting prints lacking in proper detail.

(c) General Description of Topography and Interpretation

In addition to the rield Inspection Report of Matagorda and adjoining Bays (filed with Descriptive Report Register No. 5351) the following notes are submitted to act as a guide in the interpretation of this sheet, since the compiler also assisted in the field inspection of this area.

The coast line of Matagorda Bay between Sand Point and Carancahua Bay is in general a sand and shell beach, fairly wide at Sand Pt. and gradually narrowing down toward Carancahua Bay. Inland, the country is, for the most part, pasture land, with grassy sloughs and marshy areas.

In the vicinity of Salt Lake, Redfish Lake, and Garancahua Bay entrance, there are marshes and sand flats, coasionally covered with water at extreme high tides and to a varying extent at other tides. The limit of submergence at storm tides is shown with a dash line. The west shore of Carancahua Bay is characterized by a sandy beach, north of Salt Lake, and shoals. There is a portion of the west shore of Carancahua Bay northwest of medfish Lake where the m.H.W. was shown broken, due to the fact that it enters upon flats, and varies greatly with the seasons and wind tides. The east shore, for the most part, is formed by a shelving beach and bluffs, not exceeding 8 feet in height. At El Campo Club there are several small piers.

3. COMPILATION (Cont'd)

(c) General Description of Topography and Interpretation (Cont'd)

From Carancahua Bay entrance to Well Point the character of the coast changes gradually from a low and marshy nature to a slight elevation, faced by a receding bluff about 5 feet high. From Carancahua Bay entrance, about half way to Well Point the m.H.W. is difficult to interpret, due to the fact that it is greatly concealed by marsh grass, growing below and beyond the normal m.H.W. Even in the field it was difficult to decide on any definite line, but it is confidently believed that the interpretation shown on this sheet approximates it closely. In various places near the bays there are dense clumps of trees and brush, seldom exceeding 15 feet in height, consisting of mesquite, scrub oak and salt cedar. All of these types of growth have been represented by the "general tree" symbol. Immediately inland, for the most part, the country is low and frequently marshy. There are scattered cultivated fields, but the land is mostly used for grazing.

Both shores of Turtle Bay, for the most part, are fringed with marshes, which surrounds numerous sloughs and bayous extending inland. Cultivation and works and structures increase toward the north.

From Turtle Bay to Trespalacios Bay there is a gradual change in the nature of the coast, from the low and marshy point at the Turtle Bay entrance to a slight elevation, with bluffs facing the Bay. These, however, diminish toward Palacios.

Camp Hulen is situated on the peninsula between Turtle and Trespalacios Bays. This is a National Guard Infantry camp, and is occupied only during the summer months. It has a wharf extending into deep water, and the camp is served by a railroad spur from Palacios.

North and northeast of Camp Hulen, the country is generally settled, consisting mainly of cultivated fields and pastures, divided by field roads and ditches.

Little difficulty was experienced in interpreting the photographic detail. The mean high water line from Carancahua Bay entrance to well Point is some-what obscured by marsh grass, and its exact delineation at some places is not definite in nature. Also, correct interpretation between fields actively cultivated, and areas that are not cultivated at present was difficult in a few places, due to lack of definite boundaries.

The only first order road in this locality is the state Highway from Fort Lavaca to Camp Hulen and Palacios. It is concrete paved, 20 feet wide, with a 100 foot right of way, and shallow ditches on each side, and is indicated by a solid double line. The county, and section and private roads, all of which are dirt, with shallow ditches on each side are shown by a double dash line indicating their importance rather than their condition, which is always bad in wet weather. Field roads and trails are shown by a single dash line.

3. COMPILATION (Cont'd)

(c) General Description of Topography and Interpretation (Cont'd)

All boundaries of shallow water areas (shown by low water sand symbol) on this sheet were so indicated from their appearance on the photographs alone, and cannot be taken as representing the low water line. until later revised from hydrographic or ground surveys.

(d) Bridges

The only bridge occuring on this sheet that crosses a navigable stream is that over need Creek, on the highway from Port Lavaca to Palacios. This is a fixed contrete bridge on piling bents, 157.5 feet long. The horizontal clearance between bents is 13.1 feet and the vertical clearance is 3.3 feet. Measurements made by field party.

all other bridges are fixed wooden, over small, non-navigable or intermittent streams.

(e) Information from Other Sources

It is recommended that the spelling of Karankawa Bay be changed to Carancahua Bay to conform with the practice of the Texas State Highway Lepartment, the calveston office of the c. S. Engineers, the Texas State maps issued by the Dept. of Interior, County map (Calhoun county) and local practice.

(g) List of Names

Salt Lake
Redfish Lake
Ganado club
carancahua Club
El Jampo Club
camp nulen
Smith Mott
Turtle Point

The above new names are given to represent localities and bodies of water hitherto not named on charus. Local inhabitants, county maps, signs were the source of these names and they have general acceptance in the locality.

(h) Junction with adjoining sheets

This sheet is joined by sheet field No. 4 Reg. No. 5354 on the east and by sheet Field No. 6 Reg. No 5356 on the west, and by N. 22,000 plant table Sheet Field letter y an the north west. The junctions with adjoining sheets are satisfactory.

(i) Shoals

Shoals areas were outlined by a dotted line only from their appearance on the photographs and this should not be taken as representing the low water line necessarily.

4. COMPARSION WITH OTHER SURVEYS

Surveys of this area were made by the Coast and Geodetic Survey about 1880 (Chart # 1284). Detail comparison is as follows:

Change in position of M.H.W. where it crosses the following meridians. (Measured on the meridians at 1 minute intervals)

Change, old to*
new (meters)

Mat	agorda	Bay	Shore	:8			
		atit		On Lo:	ngit	ude	
	٥		11	0	~1	11	
	28	35	31	9 6	26	00	- 85.0
		36	00		25	00	-145.0
		36	29		24	00	- 73.0
		3 6	54		23	0 0	-117.0
		37	25		22	00	-318.0
		37	5 5		21	00	+97.5
		38	18	96	20	00	-83.0
		38	33		19	00	-93.0
		38	43		18	04	-35 •5
	28	40	27		18	00	-91.0
		40	09		17	00	-49.0
		40	37		16	00	-39.0
		41	08		15	00	-99.5
		41	40		14	00	-89.0
Çar	ancahu	a Ba	у:				
	28	38	28	96	25	00	-102.0
		39	07		25	00	-129.0
		38	02	•	24	00	+ 23.0
		37	53		23	00	+ 42.0
		39	5 4		23	00	- 92.0
		37	42		22	00	- 64.0
		39	43		22	00	-102.0
*	+Accu	mula	tion;	-Recession			

Oliver Point Beacon (F. R.) is shown on chart # 1284 about 225 yards too far southwest.

A detailed comparison with chart # 1284 shows that the shore of Matagorda Bay is in a state of recession, averaging about 100 meters. Review Carancahua Bay is apparently becoming larger, and the various points and peninsulas sharper and more narrow. A general comparison shows it is necessary to completely revise existing charts in regard to roads and to show the layout of Camp Hulen with railroad and pier as shown on this sheet. There is now no island off of Turtle Point. There are piers, in various localities, not previously shown. LANIMARKS

The following landmarks are recommended for this area. They were selected by the field inspection party and submitted on Form # 567:

Latitude Longitude
(1) Water Tank, Camp Hulen
(2) Radio Tower, Camp Hulen (North)
(3) Radio Tower, Camp Hulen (South)
(4) Oliver Point Beacon
(5) Pole(E.side Caraancahua B. Entr.)28-37 lll8-8 96-22 245-8
The pole on the W. side of Carancahua Bay entrance will be located by the hydrographic party but will not be transfered to this compilation.

6. RECOVERABLE OBJECTS

The following recoverable objects are among the points selected by the field inspection party for hydrographic stations and their position was determined by the redial plot of this sheet. All described by the field inspection party on Form 524.

Object NE corner of Shed El Campo Water Tank	Latitude	(Meters)	Longitude	(Meters)
	28°-41°	+ 52.2	96°-17'	+1199.0
	28°-39°	+374.6	96°-21'	+ 743.1
) 28°-38°	#203.5	96°-18'	+1290.4
Shed (SE cor. of Long Shed Bldg. Camp Hulen What		#203.5 · \ +257.9	960-141	+1372.6

7. RECOMMENDATION FOR FURTHER SURVEYS

The compilation of this sheet is believed to have the probable error of 5 meters in well defined detail of importance for charting and of 8 meters for other data. It is understood that the width of roads, etc. may be slightly expanded in order that the detail may be kept clear and the running together of lines avoided. The size of buildings may also be slightly exaggerated.

+ 1203.5

To the best of my knowledge this sheet is complete in all detail of importance for charting purposes, within the accuracy stated above, and no additional surveys are required.

Submitted by (sgd) W. H. Burwell

Cornue Christi, Texas

DEPARTMENT OF COMMERCE

U.S. COAST AND GEODETIC SURVEY

LANDMARKS FOR CHARTS

			•	٠		·	ılv 1		, 193 4
DIRECTOR, U.S. COAST AND GEO	DETIC	Sur	VEY:				- 0 -		•
The following determined description given below, and sl	obje hould	ects a be c	re promin harted:	ent, c	an be	e readily di	stinguis	hed from se	eaward from the
Sheet Field No. Register No. 53						T. 1	<u> Pri</u>	oe Jr.	Chief of Party.
			· · · · · · · · · · · · · · · · · · ·	POSIT	rion				
DESCRIPTION		LATI	TUDE		LONG	ITUDE		METHOD OF DETER- MINATION	CHARTS AFFECTED
· •	0	,	D.M. METERS	٥	•	D.P. METERS	DATUM	"INVALIDATION	
TANK (ELEVATED) (A Cemp Hulen Tank 1931)	28	41	+1483.8° -363.3°	96	14	+1332.7 -296.0	N.A. 1927	Triang. 1934 Pos	
RADIO MAST (A Comp Huler north radio tower 1934)	28	41	+1041.3 -805.8		14	+ 1085.6		Triang.	# 1284
RADIO MAST (© Comp Huler south redic tower 1954)	28	41	+1000.9		14	+ 1103.2		Triang.	# 1284
Above inspecte	d fr	on N	atagorda	Bay			•		
									
							-		
								Checked	by & Foliche

A list of objects carefully selected because of their value as landmarks as determined from seaward, together with individual descriptious, must be furnished in a special report on this form, and a copy of such report must be attached by the

Chief of Party to his descriptive report.

The selection, determination, and description of these points are an important factor in the value of the chart. Landmarks selected at appropriate intervals can be clearly charted. However, when none is outstanding, a group of two or three objects may by their interrelationship provide positive indentification. A group so selected should be indicated.

The description of each object should be short, but such as will clearly identify it; for example, a standpipe, elevated tank, gas tank, church spire, tall stack, red chimney, radio mast, etc. Assign numerals to landmarks to indicate: (1) Offshore, (2) inshore, (3) harbor, 1, 2, 3 would be a mark useful on all charts. Generally, flagstaffs and like objects are not sufficiently regressioned to chart. permanent to chart. U.S. GOVERNMENT PRINTING OFFICE: 1934 25379

DEPARTMENT OF COMMERCE

U.S. COAST AND GEODETIC SURVEY

LANDMARKS FOR CHARTS

			COLD	us Christ	i, Tex	9.S			
•					fuly l				
DIRECTOR, U.S. COAST AND GEORGE	DETIC SUR	VEY:					, , , ,		
The following determined description given below, and slows the No. 5 Reg. No. 5355	objects a nould be o	are promine charted: Po	ent, can b	aids to	naviga	tion	eaward from the Chief of Party.		
<u> </u>	objects are prominent, can be readily distinguished from seaward from the hould be charted: Pormanent nids to navigation POSITION LATITUDE LONGITUDE DATUM DATUM METHOD OF DETER AFFECTED CHARTS AFFECTED CHARTS AFFECTED CHARTS AFFECTED CHARTS AFFECTED CHARTS AFFECTED To be a seaward from the hould be charted: Pormanent nids to navigation DATUM METHOD OF DETER MINATION AFFECTED Triang. 1284								
DESCRIPTION	LAT			 		METHOD OF DETER-	CHARTS AFFECTED		
	0 1	D.M. METERS	0 1	D.P. METERS	DATUM				
OLIVER POINT (F.R.)	-	. 044							
(station Oliver Pt. Bn. 1934)	28-38		96-25			Triang.	1284		
OLE (on E. side of Caran- cahua Bay Entrance(stati	on	· .	 -				•		
East Bn. Carencehua Bay Entrance, 1934)	28+37	1118.8	96-22	245.8		Triang.	1284 Y		
				,					
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Located Feb.	Harch	1984							
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					Cł	pekad by	V. Hickl		

A list of objects carefully selected because of their value as landmarks as determined from seaward, together with individual descriptions, must be furnished in a special report on this form, and a copy of such report must be attached by the Chief of Party to his descriptive report.

Chief of Party to his descriptive report.

The selection, determination, and description of these points are an important factor in the value of the chart. Landmarks selected at appropriate intervals can be clearly charted. However, when none is outstanding, a group of two or three objects may by their interrelationship provide positive indentification. A group so selected should be indicated.

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U.S. GOVERNMENT PRINTING OFFICE: 1984 25379

Survey N	0.	T-	5	3	5	5	

GEOGRAPHIC NAMES

Date. May 29, 1935

Chart No. 1117 and 1284

TEXAS

Diagram	No	
Diagrain	NO.	

Approved by the Division of Geographic Names, Department of Interior. X

Referred to the Division of Geographic Names, Department of Interior. R

Under investigation. Q

Status	Name on Survey	Name on Chart	New Names in local use	Names assigned by Field	Location
	Camp Hulen				
	Turtle Bayou	1117			
	Horn Creek	1117			
	Reed Creek	1117			1
	Turtle Bay	1117 & 1284			- Ku
	Turtle Bex Point		Yes		1/2
	Trespalacios Bay	1117 & 1284			1/10
	Carancahua Club				p "
	Carancahua Bay	Karankawa Bay		d.	30
	Cahada Club			J.	100
	El Campo Clab			The 1	100
	Salt Lake		Yes	the or.	M).
	Redfish Lake		IT	my	
	Well Point	1117 & 1284			
	Matagorda Bay	1117 & 1284			
-	Note; It is th	e policy of this Depa	rtment not	to accept	t
	names of localit	ies that are dependen	at upon the	name of	the
	tenant, since his	itenantcy is subject	to probabl	le frequen	t
	changes.	APERDYED NAMES UND SALINED IN KED			
		W.J.Woods			
	Note The above	mentioned note ment	ions that	this depar	tment
		these names but at			the
	use of these na	mes to the discretion	of the Co	mpiler.	

REVIEW OF AIR PHOTO COMPILATION T-5355 (1935)

Scale 1:20,000

Projection

Projection diagonals fail to check by 0.5 m. across 8 minute squares. This discrepancy probably is due to the matching of the negatives.

Comparison with Graphic Control Surveys

There are no graphic control surveys of the area covered by this compilation.

Comparison with Previous Topographic Surveys

T 645 (1856), Scale 1:20,000 T 737 (1857-58), Scale 1:20,000

Numerous changes in detail have occurred since the date of these topographic surveys (T 645, T 737). These changes as well as the interpretation of the photographic detail are well covered by the descriptive report, T 5355.

It is believed that the discrepancies in shoreline location between this compilation and that of the previous surveys are due largely to interpretation rather than to actual changes. The 1856 survey undoubtedly lacked control causing an apparent difference in azimuth in upper Turtle Bay of about 1°.

This compilation is complete and adequate to supersede T 645 and T 737 for the area it covers.

Comparison with Chart No. 1284

For detailed comparison with the chart see descriptive report, page 7. It is felt that the statement that the shore has receded 100 meters is erroneous and that this discrepancy is due largely to change of datum and to interpretation.

Comparison with Contemporary Hydrographic Surveys

H 5813 (1935), 1:20,000 H 5866 (1935), 1:20,000

Examination of the hydrographic sheets shows this compilation to be in agreement with the hydrography. A small shell island shown on the hydrographic sheet has been transferred to the compilation.

Z

Landmarks and Aids to Navigation

Landmarks submitted in chart letters Nos. 590 (1935), 282 (1935) and 820 (1935) are located on this compilation with the exception of the two day beacons (chart letter No. 590 - 1935) located by hydrography.

Well Point Light shown on the chart but not on this compilation is listed in Notice to Mariners No. 27, 1935, paragraph 1093. Position was by the Lighthouse Service.

Dec. 17, 1935.

Fred A. Riddell

13.6. gover 1/15/36

REVIEW OF AIR PHOTO COMPILATION NO. 5355

Chief of Party: T. M. Price Jr.

Compiled by: See page 2 of descriptive report.

Project: Party No. 20

Corpus Christi, Texas

Instructions dated: Nov. 7, 1933

- 1. The charts of this area have been examined and topographic information necessary to bring the charts up to date is shown on this compilation. (Par. 16a, b,c,d,e,g and i; 26; and 64)
- Change in position, or non-existence of wharfs, lights, and other topographic detail of particular importance to navigation which affect the chart, is discussed in the descriptive report. (Par. 26; and 66 g,n)
- 3. Ground surveys by plane table, sextant, or theodolite have been used to supplement the photographic plot where necessary to obtain complete information, and all such surveys are discussed in the descriptive report. (Par. 65; and 66 d,e)
 No supplementary ground surveys.
- 4. Blue-prints and maps from other sources which were transmitted by the field party contain sufficient control for their application to the charts. (Par. 28)
 No blue prints etc. submitted.
- 5. Differences between this compilation and contemporary plane table and hydrographic surveys have been examined and rectified in the field before forwarding the compilations to the office and are discussed in the descriptive report.

 Smooth hydrographic sheet not finished but comparison made to date of submilling this sheet.
- 6. The control and adjustment of the photo plot are discussed in the descriptive report. Unusual or large adjustments are discussed in detail and limits of the area affected are stated. (Par. 12b; 44; and 66 c,h,i)
 No unusual or large adjustments.
- 1. High water line on marshy and-mangrewe coast is clear and adequate for chart compilation. (Par. 16a, 43, and 44)

NOTE: Strike out paragraphs, words or phrases not applicable and modify those requiring it. Paragraph numbers refer to those in the Topographic Manual. Refer also to the pamphlet "Notes on the Compilation of Planimetric Line Maps from Five Lens Air Photographs."

- 8. The representation of low water lines, reefs, Joral reefs and recks, and legends pertaining to them is satisfactory. (Par. 36, 37, 38, 39, 40, 41)

 Shoal areas indicated only, by a dotted outline. No low water line obtained.
- 9. Recoverable objects have been located and described on Form 524 in accordance with circular 30, 1933, circular letter of March 3, 1933, and circular 31, 1934. (Par. 29, 30, and 57)
- 40. A list of landmarks was furnished on Form 567 and instructions in the Director's letter of July 16, 1934, Landmarks for Charts, complied with. (Par. 16d, e; and 60)
- 11. All bridges shown on the compilation are accompanied by a note stating whether fixed or draw, clearance, and width of draw if a draw bridge. Additional information of importance to navigation is given in the descriptive report. (Par. 16c) Clearances only obtained of bridges over navigable waters.
- 12. Geographic names are shown on the overlay tracing. The accepted local usage of new names has been determined and they are listed in the report, together with a general statement as to source of information and a specific statement when advisable. Complete discussion of place names differing from the charts and from the -U-S-G-S-Quadrangles is given in the descriptive report, together with reasons for recommendations made. (Par. 64, and 66k)
- .13. The geographic datum of the compilation is N. A. 1927 and the reference station is correctly noted.
- 44. Junctions with adjoining compilations have been examined and are in agreement. (Par. 66j)
- 15. The drafting is satisfactory and particular attention has been given the following:
 - 1. Standard symbols authorized by the Board of Surveys and Maps have been used throughout except as noted in the report.
 - The degrees and minutes of Latitude and Longitude are correctly marked.

- 3. All station points are exactly marked by fine black dots.
- 4. Closely spaced lines are drawn sharp and clear for printing.
- 5. Topographic symbols for similar features are of uniform weight.
- 6. All drawing has been retouched where partially rubbed off.
- آل. Buildings are drawn with clear straight lines and square corners where such is the case on the ground.

(Par. 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 48)

- 16. No additional surveying is recommended at this time.
- 17. Remarks:

18. Examined and approved;

T. M. Price Jr.
Chief of Party

19. Remarks after review in office:

Le preceding pages 1 to 2 for detailed offer verification

Reviewed in office by: Fred. a. Riddell v 13 g. gones

Examained and approved:

Chief, Section of Wield Records

Chief, Division of Charts

Chief, Section of Field Work

Chief, Division of Hydrography and Topography.