

9798

Original

Diag. Cht. No. 1282.

Form 504	
U. S. DEPARTMENT OF COMMERCE	
COAST AND GEODETIC SURVEY	
DESCRIPTIVE REPORT	
Type of Survey	PLANIMETRIC
Field No. Ph-6006	Office No. T-9798
LOCALITY	
State	TEXAS
General locality	GALVESTON BAY
Locality	RED FISH ISLAND
<u>1960-1963</u>	
CHIEF OF PARTY	
Joseph K. Wilson, Chief of Field Party	
V.R. Sobieralski, Tampa District Officer	
LIBRARY & ARCHIVES	
DATE	January 1965

USCOMM-DC 5087

8626
9798

DESCRIPTIVE REPORT - DATA RECORD

T - 9798

PROJECT NO. (II): PH-6006		
FIELD OFFICE (II): Texas City, Texas		CHIEF OF PARTY J. K. Wilson
PHOTOGRAMMETRIC OFFICE (III): Tampa, Florida		OFFICER-IN-CHARGE V. Ralph Sobieralski
INSTRUCTIONS DATED (II) (III): Field and Office (732 MS) not dated (received Sept. 30, 1960) Amendment Field and Office Feb. 14, 1961		
METHOD OF COMPILATION (IIII): Kelsh Plotter and Graphic		
MANUSCRIPT SCALE (III): 1:10,000		STEREOSCOPIC PLOTTING INSTRUMENT SCALE (III): 1:6,000
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 MEAN SEA LEVEL 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 or mean lower low water
REFERENCE STATION (III): HOUSTON SHIP CHANNEL LIGHT 59, 1960		
LAT.: / / 29°31'48.930"(1506.5m)	LONG.: / / 94°53'41.016"(1104.5m)	<input checked="" type="checkbox"/> ADJUSTED <input type="checkbox"/> UNADJUSTED
PLANE COORDINATES (IV): y = 639,894.71 FT. ✓ x = 3,305,210.01 FT. ✓		STATE Texas ✓ ZONE So. Central ✓
ROMAN NUMERALS INDICATE WHETHER THE ITEM IS TO BE ENTERED BY (II) FIELD PARTY, (III) PHOTOGRAMMETRIC OFFICE, OR (IV) WASHINGTON OFFICE. WHEN ENTERING NAMES OF PERSONNEL ON THIS RECORD GIVE THE SURNAME AND INITIALS, NOT INITIALS ONLY.		

DESCRIPTIVE REPORT - DATA RECORD

FIELD INSPECTION BY (III): M. A. Stewart		DATE: March 1961
MEAN HIGH WATER LOCATION (III) (STATE DATE AND METHOD OF LOCATION): Air photo compilation Date of photographs: 8/25/60; 9/16/60 <i>Field Edit Blumer 1962 - Varnadoe 1963</i>		
PROJECTION AND GRIDS RULED BY (IV): J.D.C. (W.O.)		DATE June 1961
PROJECTION AND GRIDS CHECKED BY (IV): J.F. (W.O.)		DATE June 1961
CONTROL PLOTTED BY (III): I. I. Saperstein		DATE Sept. 1961
CONTROL CHECKED BY (III): I. I. Saperstein		DATE Sept. 1961
RADIAL PLOT OR STEREOSCOPIC CONTROL EXTENSION BY (III): B. F. Lampton (W.O.)		DATE
STEREOSCOPIC INSTRUMENT COMPILATION (III): I. I. Saperstein	PLANIMETRY I. I. Saperstein	DATE Oct. 1961
	CONTOURS	DATE
MANUSCRIPT DELINEATED BY (III): I. I. Saperstein		DATE Oct. 1961
SCRIBING BY (III): P. W. Leikhim Reviewed: W. H. Shearouse		DATE Dec. 1961 Jan. 1962
PHOTOGRAMMETRIC OFFICE REVIEW BY (III): Compilation: W. H. Shearouse Drafting: W. H. Shearouse		DATE Dec. 1961 Oct. 1962
REMARKS:		

DESCRIPTIVE REPORT - DATA RECORD

CAMERA (KIND OR SOURCE) (III):

Wild Single lens "S"

PHOTOGRAPHS (III)

NUMBER	DATE	TIME	SCALE	STAGE OF TIDE
60-S-9952A	8/25/60	15:20	1:10,000 Ratio	0.6
" " 2010A	9/16/60	09:25	1:30,000 Dia- positives	0.9

Predicted TIDE (III)

	RATIO OF RANGES	MEAN RANGE	SPRING RANGE
REFERENCE STATION: Galveston	-	1.0	1.4
SUBORDINATE STATION: Texas City Turning Basin	.	1.0	1.4
SUBORDINATE STATION:			

WASHINGTON OFFICE REVIEW BY (IV):

DATE:

PROOF EDIT BY (IV):

DATE:

NUMBER OF TRIANGULATION STATIONS SEARCHED FOR (II): 6

RECOVERED: 0

IDENTIFIED: 0

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:

3, 3-point fixes were observed to control offshore photographs. They were neither marked nor described.

7 intersection stations were established, one of which - Red Fish Bar Light 2 was established in 1960, reported lost in 1961, then re-established in 1961. There are 2 cards, Form 525b and 1 Form 526 but all are counted as 1 established station.

COMPILATION RECORD

COMPLETION DATE

REMARKS

Compiled from field inspection done prior to hurricane CARLA of Sept. 11, 1961	December 1961	superseded
Compilation complete. Alongshore area revised from field edit	October 1963	

PROJECT PH-6006

Planimetric Mapping

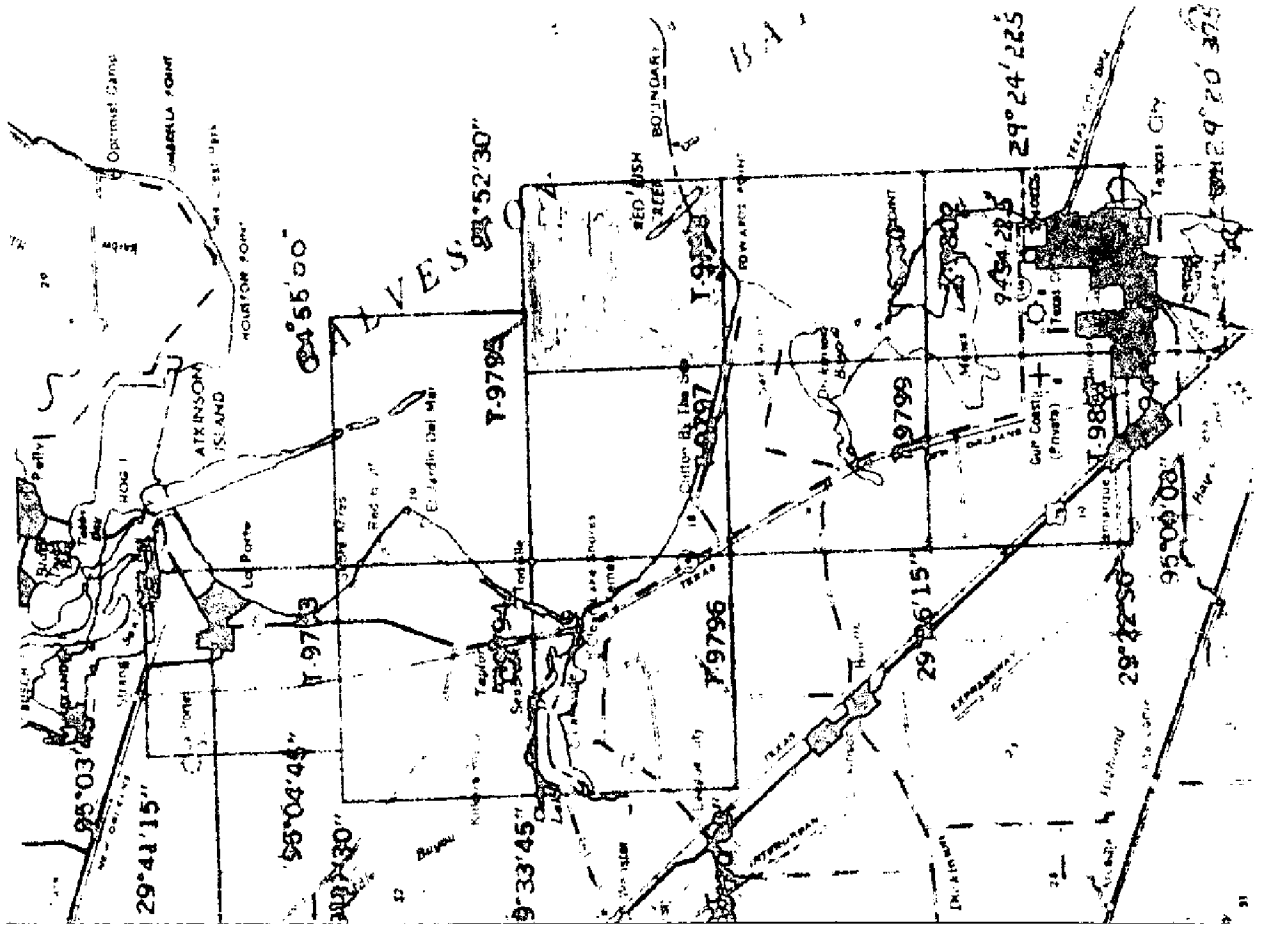
West Shore Galveston Bay

TEXAS

1:10,000 ~~AND 1:50,000~~ SCALE

Official Mileage for Cost Accounting

Sheet Number	Area Sq. Mi.	Shoreline Linear Miles
9791	14	1
9794	16	1
9795	13	1
9796	15	1
9797	17	1
9798	1	1
9799	15	1
9800	13	1
9801	16	1
9802	1	1
9803	13	1
9804	13	1
10886	18	1
	<u>176</u>	<u>98</u>



FIELD INSPECTION REPORT
MAP T-9798
PROJECT PH-6006

Please refer to Field Inspection Report submitted with Map T-9796 for all information pertaining to this map.

Submitted,

William M. Reynolds
William M. Reynolds

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

MAP T. 9798

PROJECT NO. Ph-6006

SCALE OF MAP 1:10,000

SCALE FACTOR

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR ϕ -COORDINATE LONGITUDE OR λ -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)
RED FISH BAR LT. 2, 1961	Field Comp	N.A. 1927	632, 098.92 3, 311, 610.69	19 2664.1 100 9380.9			11.15 Sept 13, 1961 ✓
RED FISH BAR INNER RANGE FRONT LT. 1961	"	"	631, 877.02 3, 312, 541.31	19 2596.5 100 9664.6			" "
RED FISH BAR INNER RANGE REAR LT. 1961	"	"	636, 216.06 3, 310, 459.50	19 3919.0 100 9030.0			" "
HOUSTON SHIP CHANNEL LT. 59, 1960	Photostat W.O.	"	639, 894.71 3, 305, 210.01	19 5040.3 100 7430.0			" "
HOUSTON SHIP CHANNEL LT. 60, 1960	"	"	640, 272.84 3, 305, 729.35	19 5155.5 100 7588.3			" "
HOUSTON SHIP CHANNEL LT. 63, 1960	"	"	646, 546.44 3, 300, 370.68	19 7067.7 100 5955.0			" "
HOUSTON SHIP CHANNEL LT. 64, 1960	"	"	646, 895.65 3, 300, 906.17	19 7174.2 100 6118.2			" "
HOUSTON SHIP CHANNEL LT. 67, 1960	"	"	653, 189.22 3, 295, 580.18	19 9092.5 100 4494.8		N	" "
HOUSTON SHIP CHANNEL LT. 68, 1960	"	"	653, 561.04 3, 296, 070.31	19 9205.8 100 4644.2	N	Note: This is Houston CHANNEL BN. 18, 1933	" "
FIX NO. 4 nd. mm.	Field Comp	"	635, 818.95 3, 306, 662.18	19 3798.0 100 7872.6			" "
FIX NO. 5 nd. mm.	"	"	634, 176.60 3, 308, 231.91	19 3297.4 100 8351.1			" "
FIX NO. 6 nd. mm.	"	"	631, 994.99 3, 310, 198.84	19 2632.5 100 8950.6			" "

1 FT. = 3048006 METER
COMPUTED BY: 115

DATE Sept 5, 1961

CHECKED BY: RJP

DATE Sep 5, 61

MAP T. 9798

PROJECT NO. *Ph-000*

SCALE OF MAP 1:10,000

SCALE FACTOR

[illegible]

1 ET = 3048006 METES

COMPUTED BY: M. S. S.

DATE 7/16/03

CHECKED BY:

DATE _____

COMM-DC-57843

8A

COMPILATION REPORT
T-9798

PHOTOGRAMMETRIC PLOT REPORT

The analytic aero triangulation bridge was run in the Washington Office. See report submitted with T-9803.

31. DELINEATION

The graphic method and Kelsh Plotter were used in delineation. The mainland, and some of the oil wells in the southwest corner of the manuscript were delineated by the Kelsh Plotter. Red Fish Island, Red Fish Bar and the remainder of the oil wells were delineated from field photograph 60-S-9952A using three fixes to control the photograph. These fixes were field identified on contact photographs (see Item 3, Field Inspection Report) and transferred to ratio print 60-S-9952 A. The ratio print scale was poor, therefore the projector was utilized in delineating the offshore details and Red Fish Island, by holding the fixes, points dropped from the Kelsh Plotter and those aids to navigation that have triangulation positions.

The only print available to this office of photograph 60-S-9952A is the field print with the collimation marks trimmed off. It was therefore impossible to establish the center of 60-S-9952A and it was consequently omitted from the manuscript.

A spoil island and Red Fish Bar Inner Range Front Light are shown, though they fall east of the manuscript and outside project limits.

The field inspection was adequate and no difficulty was encountered in the interpretation of the photographs.

32. CONTROL

See Photogrammetric Plot Report.

33. SUPPLEMENTAL DATA

None.

34. CONTOURS AND DRAINAGE

Inapplicable.

35. SHORELINE AND ALONGSHORE DETAILS

The shoreline was delineated according to the field inspection which was adequate. The low-water and shoal lines were delineated from office interpretation of the photographs. All alongshore details such as piers have been shown according to the field inspector's notes.

36. OFFSHORE DETAILS

All oil wells and platforms have been delineated according to the field inspection by the methods mentioned in Item 31.

37. LANDMARKS AND AIDS

Eight (8) fixed aids to navigation were located and are reported on form 567.

There are no landmarks.

38. CONTROL FOR FUTURE SURVEYS

None.

39. JUNCTIONS

Junctions have been made with T-9795 to the northwest, T-9797 to the west, T-9800 to the south. No map to the east (Galveston Bay).

40. HORIZONTAL AND VERTICAL ACCURACY

No statement.

46. COMPARISON WITH EXISTING MAPS

Comparison has been made with USGS BACLIFF quadrangle, scale 1:24,000 edition of 1956. The comparison is favorable except for changes in Red Fish Island. There are no planimetric maps of the area.

47. COMPARISON WITH NAUTICAL CHARTS

Comparison has been made with chart 1282 scale 1:80,000 edition of August 1, 1960 revised January 23, 1961. The comparison is favorable except for the changes in Red Fish Island.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None.

ITEMS TO BE CARRIED FORWARD

None.

I. I. Saperstein
I. I. Saperstein
Cartographer (photo)

Approved and Forwarded **20 DEC 1962**

V. Ralph Sobieralski
V. Ralph Sobieralski
Tampa District Officer

49. NOTES FOR THE HYDROGRAPHER

None.

U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

Photogrammetric Review Branch

ANCHORING NONFLOATING AIDS OR LANDMARKS FOR CHARTS

~~TO BE CHARTED~~
~~TO BE REVISED~~
~~TO BE DELETED~~

STRIKE OUT TWO

Tampa District Office October 29 19 62

I recommend that the following objects which have *(sage; 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

utastadus .T .T

V. Rajen Sobieralski *Chief of Party.*

[illegible]

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

FORM 182 (3-61)		PHOTOGRAMMETRIC OFFICE REVIEW T. 9798		U.S. DEPARTMENT OF COMMERCE COAST AND GEODETIC SURVEY	
1. PROJECTION AND GRIDS WHS		2. TITLE WHS 4a Classification label <u>unclassified</u>		3. MANUSCRIPT NUMBERS WHS	4. MANUSCRIPT SIZE WHS
CONTROL STATIONS	5. HORIZONTAL CONTROL STATIONS OF THIRD-ORDER OR HIGHER ACCURACY WHS		6. RECOVERABLE HORIZONTAL STATIONS OF LESS THAN THIRD-ORDER ACCURACY (TOPOGRAPHIC STATIONS) WHS		
	7. PHOTO HYDRO STATIONS XX	8. BENCH MARKS XX	9. PLOTTING OF SEXTANT FIXES XX	10. PHOTOGRAMMETRIC PLOT REPORT W.O.	
	11. DETAIL POINTS IIS (KELSH)				
ALONGSHORE AREAS (Nautical Chart Data)	12. SHORELINE WHS	13. LOW-WATER LINE WHS	14. ROCKS, SHOALS, ETC. WHS	15. BRIDGES XX	
	16. AIDS TO NAVIGATION WHS	17. LANDMARKS XX	18. OTHER ALONGSHORE PHYSICAL FEATURES WHS		
	19. OTHER ALONGSHORE CULTURAL FEATURES WHS				
PHYSICAL FEATURES	20. WATER FEATURES WHS		21. NATURAL GROUND COVER WHS		
	22. PLANETABLE CONTOURS XX		23. STEREOSCOPIC INSTRUMENT CONTOURS XX		
	24. CONTOURS IN GENERAL XX		25. SPOT ELEVATIONS XX		
	26. OTHER PHYSICAL FEATURES WHS				
CULTURAL FEATURES	27. ROADS WHS	28. BUILDINGS WHS	29. RAILROADS XX		
	30. OTHER CULTURAL FEATURES WHS				
BOUNDARIES	31. BOUNDARY LINES XX		32. PUBLIC LAND LINES XX		
MISCELLANEOUS	33. GEOGRAPHIC NAMES WHS			34. JUNCTIONS WHS	
	35. LEGIBILITY OF THE MANUSCRIPT WHS	36. DISCREPANCY OVERLAY XX		37. DESCRIPTIVE REPORT WHS	
	38. FIELD INSPECTION PHOTOGRAPHS WHS		39. FORMS WHS		
	SIGNATURE OF REVIEWER <i>William H. Shearouse</i> William H. Shearouse		SIGNATURE OF SUPERVISOR REVIEW SECTION OR UNIT <i>Milton M. Slavney</i> Milton M. Slavney		
FIELD COMPLETION ADDITIONS AND CORRECTIONS TO THE MANUSCRIPT - Additions and corrections furnished by the field completion survey have been applied to the manuscript. The manuscript is now complete except as noted in remarks on reverse side.					
SIGNATURE OF COMPILER <i>Jack Honick</i> Jack Honick			SIGNATURE OF SUPERVISOR <i>Milton M. Slavney</i> Milton M. Slavney		

FIELD EDIT REPORT T-9798
(Shoreline)

51. METHODS

The shoreline was inspected by truck, skiff and walking. The distance to the MHWL was spot checked at intervals from points of known location and found to be correct and adequate.

Corrections and additions to the manuscript have been noted on the field edit sheets in red. Deletions were shown in green.

All additions and deletions were compiled on the milar advance manuscript furnished this unit. This was done for the benefit of the East Coast Field Party.

The changes were then transferred to the field edit sheet included with this report.

All navigational aids were located by triangulation methods in July 1962. The E.C.F.P. will submit the computation. The lights will be relocated in May-June 1963.

52. ADEQUACY OF COMPILATION

The map compilation appears complete and adequate with the exception of the corrections and additions shown on the ozalid field edit sheet.

53. MAP ACCURACY

The accuracy of the map compilation appears to be complete and adequate.

54. RECOMMENDATIONS

There are no recommendations.

55. EXAMINATION OF PROOF COPY

No one was contacted to examine a proof copy of the map.

for *M. M. Slarney*
James H. Blumer
LTJG C&GS
Photo Hydro Party 723

TIDE COMPUTATION

PROJECT NO. PH-6006 T-9798

Time and date of exposure 1520 Aug 28, 1960 Reference station Galveston Mean range 1.0
 Date of field inspection March 1961 Subordinate station Texas City Turning Basin Ratio of ranges LW-0.0
HW-0.0

	Time		Height feet	Height x Ratio of ranges	Time h. m.	Time h. m.
	h.	m.				
High tide	18	58	1.0		18	25
Low tide	12	48	0.3		+	33
Duration of rise or fall	6	10		0.7	18	58
					+	41
					12	48

	h.	m.	feet	Photo. No.
Time High L. T.	12	48		
Required time	15	20	0.3	
Interval	2	32	0.6	
Time H. T. or L. T.				
Required time				
Interval				
Time H. T. or L. T.				
Required time				
Interval				
Time H. T. or L. T.				
Required time				
Interval				
Time H. T. or L. T.				
Required time				
Interval				

GEOGRAPHIC NAMES

T-9798 (Red Fish Island)

Galveston Bay

Houston Ship Channel

Red Fish Bay

Red Fish Island

San Leon

West Pass

A. J. Wraight
A. J. Wraight
Geographic Names

Review Report
of Planimetric Maps

T-9793 thru T-9804 and T-10886

August 1964

61. General Statement

This project is a continuation of mapping Project PH-5910 (21024). It completes our modern base mapping along the western side of Galveston Bay for nautical and aeronautical charting programs.

62. Comparison with Registered Topographic Surveys

T-283	1:20,000	1850
T-298	1:20,000	1850
T-4860	1:20,000	1933
T-4867	1:20,000	1934
T-6051	1:10,000	1934
T-8944	1:10,000	1947

Cultural and shoreline changes have been continuous with extensive cultural changes in the urban areas. These maps are to supersede the above surveys for common area for nautical charting.

63. Comparison with Maps of Other Agencies

Texas City	1:24,000	1954
La Porte	1:24,000	1955
League City	1:24,000	1955
Bacliff	1:24,000	1956
Virginia Point	1:24,000	1956

There are cultural and shoreline differences but, in general the agreement is good.

64. Comparison with Contemporary Hydrographic Surveys

H-8693	1:10,000	1962
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Shoreline and control was furnished prior to hydrography and no changes of importance have been made.

65. Comparison with Nautical Charts

588	1:10,000	1964
886	1:40,000	1963
1282	1:80,000	1963 revised to May 1964

Differences exist. However, there are no items to be applied immediately.

66. Adequacy of Results and Future Surveys

These surveys were prepared according to project instructions and are within the requirements for adequacy and accuracy.

Reviewed by:

L. C. Lande
L. C. Lande

Approved by:

Charles H. Henn
Chief, Photogrammetric Branch

Chief, Nautical Chart Division

J. E. Waught 1/13/65
Chief, Photogrammetry Division

