

T-11708

Original ✓

T-11708

T-11708

Form 504 U. S. DEPARTMENT OF COMMERCE COAST AND GEODETIC SURVEY DESCRIPTIVE REPORT	
Type of Survey	SHORELINE
Field No.	Office No. T-11708
LOCALITY	
State	VIRGINIA
General locality	CAPE HENRY
Locality	WOLFSNARE CREEK
<u>1962 - 1963</u>	
CHIEF OF PARTY Ray M. Sundean, Chief of Field Party V.R. Sobieralski, Tampa District Office	
LIBRARY & ARCHIVES	
DATE	

DESCRIPTIVE REPORT - DATA RECORD

T -11708

PROJECT NO. (II): PH-6209		
FIELD OFFICE (III): Bayside Virginia		CHIEF OF PARTY Ray M. Sundean
PHOTOGRAMMETRIC OFFICE (III): Tampa Florida		OFFICER-IN-CHARGE V. Ralph Sobieralski
INSTRUCTIONS DATED (II) (III): Field - Sept. 12 1962 Supplement 1 Field: Oct. 16, 1962 Office: Oct. 30, 1962		
METHOD OF COMPILATION (III): Kelsh Plotter		
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): Norfolk East Base 1931		
LAT: $36^{\circ}50'16.738''$ (516.0 m)		LONG: $76^{\circ}01'17.660''$ (437.6 m) <input checked="" type="checkbox"/> ADJUSTED <input type="checkbox"/> UNADJUSTED
PLANE COORDINATES (IV): =193,253.28 Ft. x=2,725,239.56 Ft.		STATE: Virginia ZONE: South
ROMAN NUMERALS INDICATE WHETHER THE ITEM IS TO BE ENTERED BY (II) FIELD PARTY, (III) PHOTOGRAMMETRIC OFFICE, OR (IV) WASHINGTON OFFICE. WHEN ENTERING NAMES OF PERSONNEL ON THIS RECORD GIVE THE SURNAME AND INITIALS, NOT INITIALS ONLY.		

DESCRIPTIVE REPORT - DATA RECORD

FIELD INSPECTION BY (III): R. S. Tibbetts		DATE: Nov. 1962
MEAN HIGH WATER LOCATION (III) (STATE DATE AND METHOD OF LOCATION): Air photo compilation Date of photographs: Sept. 2, 1962 and May 3, 1962 <i>Field Edit Cichy 1963</i>		
PROJECTION AND GRIDS RULED BY (IV): A.R. (W.O.)		DATE Sept. 1962
PROJECTION AND GRIDS CHECKED BY (IV): LFB (W.O.)		DATE " "
CONTROL PLOTTED BY (III): V. P. Cackowski		DATE Jan. 1963
CONTROL CHECKED BY (III): R.D. Purvis		DATE " "
RADIAL / FLIGHT /OR/ STEREOSCOPIC CONTROL EXTENSION BY (III): W. Heinbaugh (W.O.)		DATE Jan. 1963
STEREOSCOPIC INSTRUMENT COMPILATION (III): R. E. Smith	PLANIMETRY R. E. Smith Reviewed M. M. Slavney	DATE Jan. 1963
	CONTOURS Inapplicable	DATE
MANUSCRIPT DELINEATED BY (III): R. E. Smith Reviewed by: W. H. Shearouse		DATE Jan. 1963
SCRIBING BY (III): P. Leikhim Reviewed by: W. H. Shearouse		DATE JUNE 1963 June 1963
PHOTOGRAMMETRIC OFFICE REVIEW BY (III): W. H. Shearouse		DATE Aug. 1963
REMARKS:		

DESCRIPTIVE REPORT - DATA RECORD

CAMERA (KIND OR SOURCE) (III):

Wild single lens W camera and S camera

PHOTOGRAPHS (III)

NUMBER	DATE	TIME	SCALE	STAGE OF TIDE
62-W-4053	May 3, 1962	1230	1:30,000 Dia-	- 0.2
" 4054	"	"	" positives	"
" 4055	"	"	"	"
62-S-1256A	Sept. 2, 1962	0845	"	+2.0
" 1257A	"	0846	"	"
" 1258A	"	"	"	"

Predicted TIDE (III)

	RATIO OF RANGES	MEAN RANGE	SPRING RANGE
REFERENCE STATION: Hampton Roads	-	2.5	3.0
SUBORDINATE STATION: Lynnhaven Inlet (R.R. bridge)	H.W.	0.5	
	L.W.	0.0	2.4
SUBORDINATE STATION: Cape Henry	H.W.	+0.3	
	L.W.	0.0	3.4

WASHINGTON OFFICE REVIEW BY (IV): W.H. Shearouse (Tampa District Office)

DATE: December 1963

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:

COMPILATION RECORD

COMPLETION DATE

REMARKS

COMPILATION RECORD	COMPLETION DATE	REMARKS
Compiled	February 1963	Superseded
Alongshore area revised from field edit Manuscript complete	May 1963	

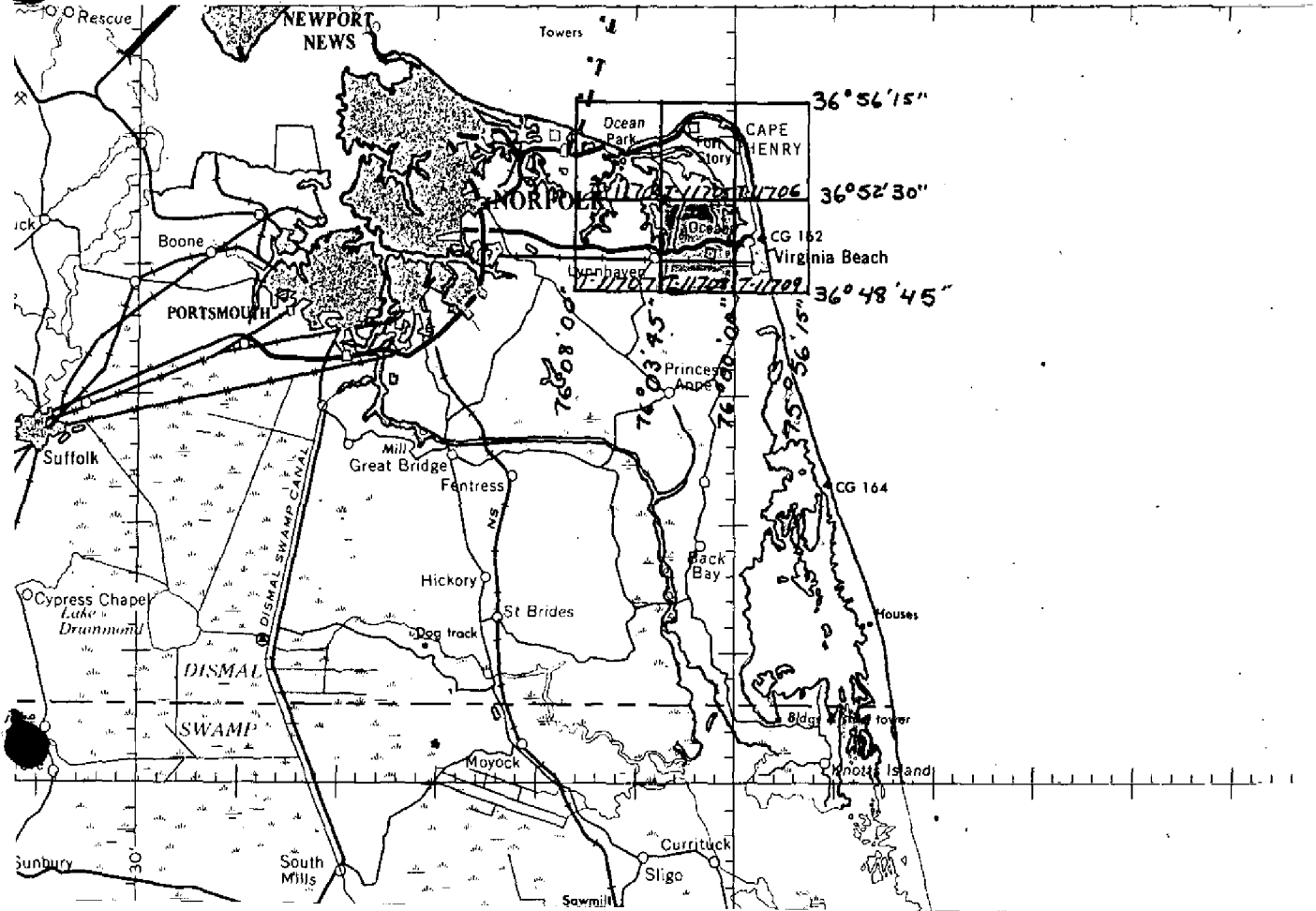
PROJECT PH-6209

LYNNHAVEN BAY VA.

SHORELINE MAPPING

SCALE 1:10,000

SHEET NO.	LINEAR MILES SHORELINE	AREA SQ. MILES
11704	18	5
11705	13	6
11706	4	15
11707	10	14
11708	5	14
11709	6	6



SUMMARY TO ACCOMPANY DESCRIPTIVE REPORT T-11708

Shoreline map T-11708 is one of six similar maps in project 21051 (PH-6209) and is the center one of three comprising the southern tier. It covers Wolfsnare and London Bridge Creeks, and the southerly part of Linkhorn Bay. It lies immediately south of Cape Henry, Virginia. This is a Kelsh project in advance of hydrographic surveys which are being made in the same area. The field operations preceding compilation included field inspection and the recovery and identification of horizontal control. Kelsh compilation was at a scale of 1:10,000, from 1:30,000 scale single lens photographs taken May 3 and September 2, 1962. A film negative was made and furnished for preparation of the hydrographer's boat sheet. Ratio (1:10,000 scale) photographs were subsequently provided for field edit and hydro support purposes. The compilation manuscript is a vinylite sheet $3 \frac{3}{4}$ ' in latitude by $3 \frac{3}{4}$ ' in longitude which was scribed and reproduced on cronaflex following photogrammetric office review. One each, cronar film positive and negative, are provided for record and registry.

FIELD INSPECTION REPORT
T-11708

For all data pertaining to this sheet
please refer to the Field Inspection Report
for T-11704.

Respectfully submitted:

Ray M. Sundean
LT Ray M. Sundean
Chief of Party

MAP T-11.708 PROJECT NO. PH 6709 SCALE OF MAP 1:10,000 SCALE FACTOR

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR ψ -COORDINATE LONGITUDE OR x -COORDINATE	DISTANCE FROM GRID IN FEET. OR PROJECTION LINE IN METERS		DATUM CORRECTION	N.A. 1927 - DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS		FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS
				FORWARD	(BACK)		FORWARD	(BACK)	
NORFOLK EAST BASE, 1931	GP Pg 23	NA 1927	36° 50' 16.739				516.0		
							437.6		
"	PC Pg. 11	NA 1927	193, 253.28 FT						
			2,725, 239.56 FT						

COMPILATION REPORT

PHOTOGRAMMETRIC PLOT REPORT

Bound with T-11704

31. DELINEATION

The Kelsh Plotter was used.
The field inspection was generally adequate.
The diapositives were not as good as usual.

Delineation of the shoreline, especially in some of the marsh areas, was made more difficult by the relatively dark and grayish diapositives.

After compilation was completed on the Kelsh Plotter, the ratio photographs (which appeared to have more contrast than the diapositives) were placed over a light table and the shoreline and marsh limits taken from the Kelsh Plotter were verified.

32. CONTROL

See bridge report.

33. SUPPLEMENTAL DATA

None.

34. CONTOURS AND DRAINAGE

Inapplicable

35. SHORELINE AND ALONGSHORE DETAILS

The shoreline inspection was generally adequate and delineation was done accordingly. See Item 31. No low water line was shown.

All alongshore details such as piers and bulkheads indicated by the field inspector and the ones noted by office interpretation have been shown.

36. OFFSHORE DETAILS

One duckblind in ruins has been shown as field inspected.

37. LANDMARKS AND AIDS

One aid to navigation was located and listed on Form 567, and forwarded under date of 2-4-63.

38. CONTROL FOR FUTURE SURVEYS

It is believed that a sufficient number of shoreline pass points are shown for the accurate location of photo-hydro stations.

39. JUNCTIONS

Junctions have been made with T-11705 to the north, T-11707 to the west and T-11709 to the east. Project limits to the south.

40. HORIZONTAL AND VERTICAL ACCURACY

No statement.

46. COMPARISON WITH EXISTING MAPS

Comparison has been made with USGS quadrangle PRINCESS ANNE, scale 1:24,000 edition of 1955. The two appear to be in good agreement.

47. COMPARISON WITH NAUTICAL CHARTS


Comparison has been made with chart 1222 scale 1:80,000 18th edition, July 1961. The two appear to be in good agreement.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

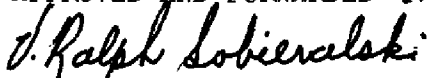
None.

ITEMS TO BE CARRIED FORWARD

None.


R. E. Smith
Carto Aid (photo)

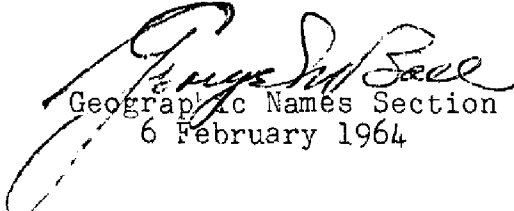
APPROVED AND FORWARDED 19 AUG 1963


V. Ralph Sobieralski
Tampa District Officer

T-11708

48. Geographic Names List

Bay Colony
Bird Neck Point
Brown Cove
Deary Cove
Great Neck Creek
Linkhorn Bay
London Bridge Creek
Wilkins Bridge
Wolfsnare Creek
Wolfsnare Point


Geographic Names Section
6 February 1964

49. NOTES FOR THE HYDROGRAPHER

None.

Photogrammetric Review Branch

NONFLOATING AIDS OR LANDMARKS FOR CHARTS

TO BE CHARTED
TO BE REVISED
TO BE DELETED } STRIKE OUT TWO

Tampa District Office 2/4/ 19 62

I recommend that the following objects which have *(tagged right)* 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

R. E. Smith

V. Raloh Sobieralski *Chief of Party*

STATE	CHARTING NAME	DESCRIPTION	SIGNAL NAME	POSITION			METHOD OF LOCATION AND SURVEY NO.	DATE OF LOCATION	HARBOR CHART	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTED
				LATITUDE * D. M. METERS	LONGITUDE * D. P. METERS	DATUM						
VIRGINIA												
		CHESAPEAKE BAY										
		LYNNHAVEN INLET										
	DAYEN 9	BROAD AND LINCORN BAYS		36 52	17 52	N.A.	Photo Plot	11/11/62	X	X		1222 1227

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.

1. PROJECTION AND GRIDS WHS	2. TITLE WHS	3. MANUSCRIPT NUMBERS WHS	4. MANUSCRIPT SIZE WHS
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Classification label unclassified

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

ALONGSHORE AREAS (Nautical Chart Data)	12. SHORELINE WHS	13. LOW-WATER LINE XX	14. ROCKS, SHOALS, ETC. XX	15. BRIDGES WHS
	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 XX	28. BUILDINGS XX	29. RAILROADS XX
	30. OTHER CULTURAL FEATURES WHS		

BOUNDARIES	31. BOUNDARY LINES XX	32. PUBLIC LAND LINES XX
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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

40. 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>Robert Wagner</i>	SIGNATURE OF SUPERVISOR <i>M. M. Slavney</i>
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Field Edit Report, T-11708

No Field Edit Report has been received.

Tampa

REVIEW REPORT T-11708
SHORELINE
JANUARY 6, 1964

61. GENERAL STATEMENT

See Summary accompanying Descriptive Report.

62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS

T-8298 1:20,000 1944

This map supersedes the listed prior survey for nautical chart construction.

63. COMPARISON WITH MAPS OF OTHER AGENCIES

U.S.G.S. - PRINCESS ANNE, VA. 1:24,000 1955

Two dredged canals, not on the quadrangle, were noted in vicinity of Wilkins Bridge near latitude 36°51.2', longitude 76°00.3'.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS

Comparison was made with a copy of boat sheet H-8724, 1:10,000 scale, dated October 1, 1962

No piers are shown on the boat sheet.

A marsh island is omitted in Wolfsnare Creek at approximate latitude 36°51.3', longitude 76°03.4'.

Overhead cables should be added at approximate latitude 36°52.5', longitude 76°03.7' and latitude 36°51', longitude 76°03.7'.

65. COMPARISON WITH NAUTICAL CHARTS

Comparison was made with chart 1227, 1:80,000 scale, 6th edition, revised August 6, 1962.

General configuration of the shoreline appears in good agreement; however, it is evident, probably due to large scale difference, that many small shoreline indentures and coves shown on the manuscript are omitted from the chart. It is also noted that piers are not shown on the chart.

66. ADEQUACY OF RESULTS AND FUTURE SURVEYS

This survey complies with instructions and meets the National Standards of Map Accuracy.

Future surveys should check for new man-made features such as dredged canals in connection with suburban development.

REVIEWED BY:

William H. Shearouse
William H. Shearouse

APPROVED BY: 22 APR 1964

V. Ralph Sobieralski
V. Ralph Sobieralski
Tampa District Officer

APPROVED BY:

Charles Truman
Chief, Cartographic Branch *let*

Chief, Chart Division

L. J. Woodcock
Chief, Photogrammetry Division

[Signature]

TIDE COMPUTATION

PROJECT NO. Ph- 6209 T. 11708

Time and date of exposure 1300 Nov 7, 1962 Reference station Hampton Roads Mean range 2.0
 Date of field inspection " Subordinate station Lynnhaven Inlet (see Bridge) Ratio of ranges LW 0.5
2.0

	Time		Height x Ratio of ranges	Height feet	Time		Time
	h.	m.			h.	m.	
High tide	16	23	2.2	2.7	16	57	10 43
Low tide	9	48	0.2	0.2	-	34	- 55
Duration of rise or fall	6	35	2.0		16	23	9 48

	h. m.		Height x Ratio of ranges	Height feet	Ht. H. T. or L. T. Tabular correction Stage of tide above MLW	feet	Feature bares Stage of tide above MLW Feature above MLW	feet	Photo. No.
	Time H. T. L. T. Required time Interval	9 48							
Time H. T. or L. T. Required time Interval		3 12	0.2	0.2	Ht. H. T. or L. T. Tabular correction Stage of tide above MLW	1.1	Feature bares Stage of tide above MLW Feature above MLW		
Time H. T. or L. T. Required time Interval					Ht. H. T. or L. T. Tabular correction Stage of tide above MLW		Feature bares Stage of tide above MLW Feature above MLW		
Time H. T. or L. T. Required time Interval					Ht. H. T. or L. T. Tabular correction Stage of tide above MLW		Feature bares Stage of tide above MLW Feature above MLW		
Time H. T. or L. T. Required time Interval					Ht. H. T. or L. T. Tabular correction Stage of tide above MLW		Feature bares Stage of tide above MLW Feature above MLW		
Time H. T. or L. T. Required time Interval					Ht. H. T. or L. T. Tabular correction Stage of tide above MLW		Feature bares Stage of tide above MLW Feature above MLW		

Computed by W. Saperstein Checked by F. D. Moran