11057 11059
11061

11057 11059 11061

Diag. Cht. No. 78-4.

Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey Shoreline

Field No. Ph-101(52) *Office No.* T-11057 T-11059 T-11061

LOCALITY

State Virginia

General locality Chesapeake Bay- W. Shore

Locality G wynn Island - Windmill Pt. Including mouths of Piankatank and Rappahannock Rivers

19~~4~~/52-53

CHIEF OF PARTY

L. C. Lande, Div. of Photo.Wash,D.C.
~~O. S. Reading~~ " " " " " "

LIBRARY & ARCHIVES

DATE May 23, 1958

B-1870-1 (1)

DATA RECORD

T

Project No. (II): Ph 101(52) Quadrangle Name (IV):

Field Office (II): Chief of Party: L.C. Lande

Photogrammetric Office (III): Washington, D.C. Officer-in-Charge: O.S. Reading

Instructions dated (II) (III): 12 Nov '52

Copy filed in Division of Photogrammetry (IV)

Method of Compilation (III): Graphic

Manuscript Scale (III): 1:10,000 *Stereoscopic Plotting Instrument Scale (III):*

Scale Factor (III):

Date received in Washington Office (IV): Date reported to Nautical Chart Branch (IV):

Applied to Chart No. Date: Date registered (IV): 12 Dec 1957

Publication Scale (IV): Publication date (IV):

Geographic Datum (III): NA 1927 Vertical Datum (III):

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

Mean high water

Reference Station (III): Stingray Point LH, 1900

Lat.: 37° 33' 40.062" Long.: 76° 16' 13.411" Adjusted ~~Unadjusted~~

Plane Coordinates (IV): State: Zone:

Y= 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.

M-2618-12(4)

DATA RECORD

Field Inspection by (II): None Date:

Planetable contouring by (II): None Date:

Completion Surveys by (II): None Date:

Mean High Water Location (III) (State date and method of location):
Office interpretation on 1952 photography

Projection and Grids ruled by (IV): J. Allen Date: 16 Feb 53

Projection and Grids checked by (IV): H. Wolfe Date:

Control plotted by (III): C. Hanavitch, E. Ramey Date: May '53

Control checked by (III): C. Hanovitch, E. Ramey Date: May '53

Radial Plot or Stereoscopic Control extension by (III): R.J. French Date: May '53

Stereoscopic Instrument compilation (III): Planimetry Date:

Contours Date:

Manuscript delineated by (III): S.G. Blankenbaker Date: May 1953

Photogrammetric Office Review by (III): Date:

Elevations on Manuscript checked by (II) (III): None Date:

Camera (kind or source) (III):

PHOTOGRAPHS (III)

Number	Date	Time	Scale	Stage of Tide
39664 thru 39671	10/13/52	8:53 to 9:00	1:10,000	M.H.W.
39698 thru 39704	"	9:26 to 9:30	1:10,000	1 ft above MLW
39713 thru 39719	"	9:39 to 9:44	1:10,000	1 ft above MLW

Tide (III)

Reference Station: Hampton Roads
Subordinate Station: Horse Point - Piankatank
Subordinate Station:

Ratio of Ranges	Mean Range	Spring Range
—	2.5	3.0
.5	1.2	1.4

Washington Office Review by (IV): Date:

Final Drafting by (IV): Date:

Drafting verified for reproduction by (IV): Date:

Proof Edit by (IV): Date:

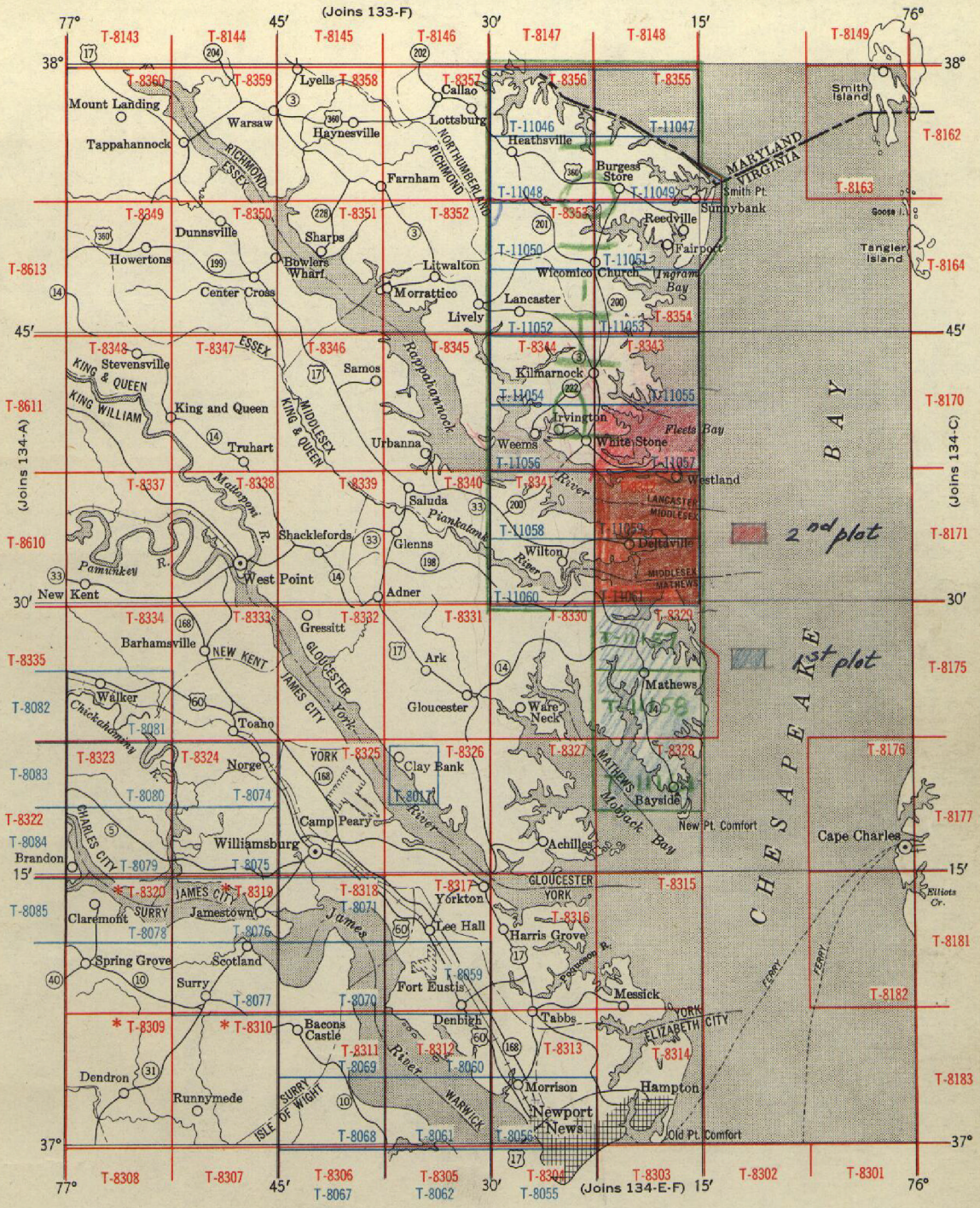
Land Area (Sq. Statute Miles) (III):
Shoreline (More than 200 meters to opposite shore) (III):
Shoreline (Less than 200 meters to opposite shore) (III):
Control Leveling - Miles (II):
Number of Triangulation Stations searched for (II): Recovered: Identified:
Number of BMs searched for (II): Recovered: Identified:
Number of Recoverable Photo Stations established (III):
Number of Temporary Photo Hydro Stations established (III):

Remarks:

UNITED STATES
DEPARTMENT OF COMMERCE
Coast and Geodetic Survey
Washington, D. C.

VIRGINIA
MARYLAND

MAP INDEX 134-B



SHORELINE SURVEYS: Show natural and cultural features, except contours and elevations, but cover only the shoreline and the land area immediately adjacent the
Surveys T-8056, T-8059 to T-8061, T-8068 to T-8071, T-8074 to T-8081, scale 1:10,000, prepared from aerial photographs taken November 1941; T-8017, scale 1
from photographs of 1945: T-11046 to 11061, scale 1:10,000, from photographs taken October 1952.
Not to be published but photographic copies of the original manuscripts can be furnished by the U. S. Coast and Geodetic Survey at 75c each.

TOPOGRAPHIC MAPS; Part of the 7½-minute series of standard topographic quadrangle maps of the United States. Maps T-8163, T-8176, T-8182 (from aerial photographs taken April 1942); T-8311 to T-8318, T-8327 to T-8330, T-8337 to T-8342, T-8346 to T-8360 (from aerial photographs taken December 1942); T-8343 to T-8345 (photographs taken February 1944); T-8309, T-8310, T-8319, T-8320, T-8323 to T-8326, T-8331 to T-8334 (photographs taken March 1948), compiled by the U. S. Coast and Geodetic Survey at scale 1:20,000. Printed and distributed by the U. S. Geological Survey at the scale of 1:24,000 or 1:31,680.
Pending final publication by the U. S. Geological Survey, and for special purposes after publication, photographic

Photogrammetric Plot Report - Ph-101(52)

21. Area Covered. This Photogrammetric plot report includes ~~topographic~~ Shoreline maps T-11061, T-11059 and T-11057.

22. Methods. The plot was assembled directly on the 1:10,000 scale manuscripts. The manuscripts for T-11059 and T-11057 were ruled with thirty-second interval polyconic projections on vinylite. Manuscript T-11061 was ruled with 30-second interval polyconic projection on acetate.

The photographs were nine-lens positype, at a scale of 1:10,000.

Acetate templets were used with the following exceptions, Master Templet No. 36269 was used in preparing vinylite templets 39716, 39718, 39719 and 39720.

This plot was a continuation of the radial plot for T-11157, T-11158 and T-11161 and was extended to horizontal control on manuscripts T-11053 and T-11054.

Closure on control north of the Rappahannock River from the north shore to control on manuscripts T-11053 abd T-11054 was good. South of the Rappahannock on Manuscript T-11061 closure on control was poor as indicated on the manuscript and SUMMARY-CONTROL FOR THE RADIAL PLOT included with this report. Radial plot positions of control stations fall west of the field positions on the East section of T-11061 (Cher, 1953; Stan, 1953; Stingray Point Lt. Ho., 1900). Radial plot positions of control stations fall east of the field positions of control stations in the center and west sections of the manuscript (Silo, 1953; Les, 1953; Stove R, 1920, Sub. Sta.).

Control stations "held" in bridging this area were:

Rock, 1920 (VFC) - T-11157
Mathews Lookout Tower, 1942 - T-11157
Cherry Point Light, 1953
Boss, 1920 (sub. sta.)
Jackson, RM-2, 1944 (sub. sta.)
Mill, 1952
Windmill Point Lighthouse, 1898
Windmill, 1932, RM-3.
Win, 1953
Oyster Ho. South Gable, 1944
Cherry-3, 1944, (sub. sta.)
Cherry-3, 1944

Control station Mos, 1953 (fourth order field position). The radial plot position for this station falls 0.9 mm. north of the field position. Triangulation stations in the vicinity were held.

23. Adequacy of control. (Instructions for this project are contained in office memorandum, dated 12 November 1952, 73-MKL.)

Horizontal control identification was provided from the following sources: (a) Horizontal control marked just prior to photography by Ensign Romero and later pricked on the office photographs from field notes and sketches. (b) Office identification of triangulation stations and 1944 War Mapping Topographic Stations. (c) Field identification accomplished by personnel from the Graphic Compilation Section in 1952 and 1953

24. Photography. Photography was considered adequate.

D. G. Blankenship
L C Landa

SUMMARY

CONTROL FOR THE RADIAL PLOT
(See "Sketch for Report on Radial Plot")

STATION NAME	REMARKS	TOLERANCE
Jackson RM-2,1944 (sub. sta.)	1952 Field Identification.	Held.
Mos, 1953	4th order Fld position, field identification.	Radial Plot pos. falls 0.9 mm North of Fld.Pos. ✓
Oyster Ho. So. Gable, 1944	1952 Fld. Identification	Held.
Windmill,1932 RM-3	Marked prior to 1952 Photos.	Held.
Win, 1953	4th order fld.pos., Fld identification.	Rad. Plot pos. falls 0.2 mm. W of Fld. Pos.
Windmill Point light Ho. 1898	Office Identification	Held.
Les, 1953 (Hydro 443)	4th order fld pos., fld identification. Field position removed from mon.	Rad. Plot pos falls 1.2 mm. E of fld pos. ✓
Silo, 1953 (Hydro 421)	4th order fld. pos., fld ident.	Rad. Plot pos. falls 1.7 mm. E of fld. pos. ✓
Stove "R", 1920 (sub. sta.)	Field Ident. See attached sheet for probable cause of error	Radl Plot pos. falls 1.0 mm. E of fld pos. ✓
Boss, 1920 (sub. sta.)	Fld. Ident.	Held.
Stan, 1953	4th order fld pos., Fld. Ident.	Rad. Plot pos. fall 0.4 mm. W of fld pos.
Stingray Point Light Ho., 1900	Office Ident.	Rad. Plot pos. falls 0.3 mm. W of fld pos.
Cherry Point Light, 1953	~~4th order fld pos.~~, ~~Fld. Ident.~~, 1953 triangulation HR	Held.
Stove Point Light, 1953	~~4th order fld pos.~~, ~~fld. ident.~~, 1953 triangulation HR	~~Rad. Plot pos falls 0.7 mm. SE of fld. pos.~~ HR Held-position plotted in error ✓
Cher, 1953	4th order fld. pos., fld. ident.	Rad. plot pos. falls 0.3 mm. W. of fld. pos.
Dime 2, 1944 RM-1	Marked prior to 1952 Photography	Radial plot pos. falls 0.3 mm. W of fld. pos.
Old Toms Lt., 1944	Office Ident.	Held.

SUMMARY (Cont.)

CONTROL FOR THE RADIAL PLOT
(See "Sketch for Report on Radial Plot")

Control Stations "held" outside the limits of the manuscripts covered in this radial plot report.

STATION NAME	remarks	TOLERANCE
Cherry 3, 1944	Marked prior to 1952 photography.	Held.
Cherry 3, 1944 (sub. sta.)	Field Identification	Held.
Bluff 3, 1944 (sub. sta.)	Field Identification	Held.
Marsh, 1944	Marked prior to 1952 photography	Held.
Whitestone Me. Ch. Spire, 1942	Office Identification	Held.
Kilmarnoc Munic. Water Tank, 1942	Office Identification	Held.
BM-18 (USGS), 1944	Field Identification	Held.
PP 17F, 1944	Office Identification	Held.
PP 18F, 1944	Office Identification	Held.

Stations LES, 1953 and SILO, 1953 did not hild in the radial plot for the probable following reason. Both were determined (unchecked position) from an eccentric of triangulation BOSS, 1920. If this eccentric was in error, both these stations would be displaced in the same direction as was d monstrated by the radial plot.

Failure of radial plot to hold STOVE (VFC) 1920 was probably due to a pricking error. Sub-station is a bush and could have been misidentified.

Note letter (attached) from Commanding Officer ship COWIE for hydro results in this area.

H. Rae

Photogrammetry

(SHORELINE)

MAP T-11057 PROJECT NO Ph-101(52) SCALE OF MAP 1:10,000 SCALE FACTOR

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)
Dime 2, 1944	G.P. page 702	N. A. 1927	37 40 23.141	713.5	(1136.3)					
			76 19 27.060	663.2	(807.2)					
Old Toms Lt., 1944.	702	"	37 40 37.588	1158.8	(691.0)					
			76 18 57.765	1415.6	(54.7)					
Dime 2,1944 RM. No. 1		"	37 40	705.4	(1144.4)					
			76 19	685.1	(785.3)					

1 FT. = .3048006 METER

M-2388-12

~~COMPUTED~~ PLOTTED BY: GBW DATE 4/53 CHECKED BY: MSS DATE

Photogrammetry

(Shoreline)
MAP T-11059 PROJECT NO. Ph-101(52) SCALE OF MAP 1:10,000 SCALE FACTOR

STATION	SOURCE OF INFORMATION (INDEX) G.P.Page	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)
Windmill, 1932	31	N. A. 1927	37 37 00.305	09.4	(1840.4)					
			76 17 34.606	848.7	(622.8					
Jackson, 1944	703	"	37 34 20.358	627.6	(1222.2)					
			76 20 52.886	1297.8	(174.6)					
Oyster House S. Gable, 1944	703	"	37 37 21.493	662.6	(1187.2)					
			76 20 45.93~~6~~8	1126.5	(344.9)					
Jackson, 1944 R.M.-2(sub.sta.)		"	37 34	542.9	(1306.9)					
			76 21	58.3	(1414.1)					
Windmill Pt., L. Ho., 1989	491	"	37 35 48.513	1495.6	(354.2)					
			76 14 10.740	263.5	(1208.4)					
Windmill, 1932 RM No. 3		"	37 36	Long. 1835.0	(14.8)					
			76 17	Lat. 909.6	(561.~~0~~9)					
* Mos Hydro Signal 528		"	37 36 30.583	942.9	(906.9)					
			76 21 35.345	866.9	(604.7)					
** Win Hydro Signal 568		"	3~~6~~7 36	1781.8	(68.0)					
			76 17	936.9	(534.6)					
Son** Hydro Signal 513		"	37 34	627.1						
			76 20	1380.2						

** For Hydro Signal, located by Sub. Sta. method as object for 3-point fix by Lande & Hathorn.
(Computed on Form M-2500-11, look under Jackson)

* For control of plot, located by 4th order field methods by Lande & Hathorn

1 FT. = .3048006 METER
~~COMPUTED~~ Plotted BY: G.B.Willey DATE 6 April 1953 CHECKED BY: [illegible] DATE

M-2388-12

Photogrammetry

MAP T-~~11161~~ 11061 (Shoreline) PROJECT NO. Ph-101(52) SCALE OF MAP 1:10,000 SCALE FACTOR

STATION	SOURCE OF INFORMATION (INDEX) G.P. Page	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)
Stingray Pt. (R-32) Lt. Ho., 1900	491	N.A.1927	37 33 40.062	1235.0	(614.8)					
			76 16 13.411	329.1	(1143.5)					
Boss, 1920	492	"	37 32 47.205	1455.3	(394.5)				~~551~~	
			76 18 46.181	1133.7	(339.2)				851	
~~Grinnells (V), 1921~~	536	"	~~37 32 11.546~~	~~356.0~~	~~(1493.8)~~					
			~~76 20 45.307~~	~~1112.3~~	~~(360.7)~~					
Stove, 1920 (VFC)	536	"	37 31 25.706	792.5	(1057.3)					
			76 19 55.182	1355.0	(118.4)					
Boss, 1920 (Hathorn) (sub.sta. ~~Romero~~)		"	37 32 45.483	1410.5	(439.3)					
			76 18 46.867	1150.3	(322.7					
Stove, 1920 (VFC) (sub.sta.)		"	37 31	791.8	(1058.0)					
			76 19	1375.3	(98.1)					
Cher, 1953		"	37 30 52.912	1631.2	(218.6)	3-Point fix, 4th order				
			76 17 55.695	1367.8	(105.7)	by Romero, Hydro Signal 375B				
~~Silo 1953~~ Unchecked 4th order position		"	~~37 30 45.2777~~	~~1395.8~~	~~(454.0)~~	Hydro Signal ~~441~~ 421 is radial				
			~~76 21 40.192~~	~~987.1~~	~~(486.5)~~	plot position				
Cherry Pt. Lt.		"	37 31 15.856	488.9	(1360.9	See Compilation Report				
			76 18 38.675	949.7	(523.7)	Theodolite fix by Lande				
Stove Pt. Lt.		"	37 30 50.922	1569.9	(279.9)	to Hathorn. See Aposition				
			76 18 56.518	1388.0	(85.5)	on next page HR				
~~Abe~~		"	~~37 32 19.061~~	~~587.6~~	~~(1262.2)~~					
			~~76 19 53.338~~	~~1309.5~~	~~(163.5)~~					
~~Les 1953~~ Unchecked 4th order position			~~37 32 10.606~~	~~327.0~~	~~(1522.8)~~	Hydro Signal 443 is				
			~~76 20 37.617~~	~~923.5~~	~~(549.5)~~	radial Plot Position				

1 FT. = 3048006 METER

~~COMPUTED~~ Plotted BY: [illegible] DATE April 1953 CHECKED BY: Jo Battley DATE

M-2388-12

Photogrammetry

MAP T- 11061 (SHORELINE) PROJECT NO. Ph-101(52) SCALE OF MAP 1:10,000 Sheet 2 of 2 SCALE FACTOR

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)
Stan		N.A.1927	37 33 39.77			1226.1 (623.7)	
			76 17 56.93			1397.2 (75.4)	
~~Stove R, 1920 (VFC)(Sub.sta.) (Hathorn-Feb~~		"	~~37 31~~			~~793.2 (1056.6)~~	
			~~76 19~~			~~1470.2.0 (01.2)~~	
Grin* Hydro Signal q42 (near Grinnels)		"	37 32 11.193			379.9 (1469.9)	
			76 20 45.890			1126.7 (346.3	
Ski** Hydro Signal 477		"	37 32			1455.2 (394.7)	
			76 18			1052.9 (420.0	
* Instrument work by Lande and Hathorn, removed from manuscript. { Hydro Signal q42 is radial plot position							
** Plotted as Hydro signal - located same as sub. sta. from Boss.							
Cherry Point Light, 1953	G.P. p851	"	37 31 15.762			485.9 (1363.9)	
			76 18 38.655			949.2 (524.2)	
Stove Point Light 1953	"	"	37 30 50.797			1566.0 (283.8)	
			76 18 56.524			1388.2 (85.3)	

1 FT. = .3048006 METER

M-2388-12

COMPUTED BY: Plotted DATE April 1953 CHECKED BY: J. Bartley DATE

COMPILATION REPORT
Project Ph-101
Shoreline Sheets T-11059 and T-11061

(Refer to Compilation Report for Shoreline Sheets T-11157, T-11158 and T-11161.)

The following 1944 topographic stations, originally located during War Mapping Project CS-289, were relocated in the radial plot and new positions in red ink are shown on the Forms 524 with a note of explanation.

T-11059:
None

T-11061
Shore (1944) 1953 ν
Rods (1944) 1953 ν
Lean (1944) 1953 ν
Mels (1944) 1953 ν

On T-11061, Cherry Point Light 1953 and Stove Point Light 1953 were both located by theodolite cuts from Stove (R) 1920 and an eccentric position from Boss 1920. These field positions are shown with a 2.0 mm black circle on the manuscript. The radial plot positions for these aids are shown with a 6.0 mm blue circle on the back of the manuscript. (See plot report.) All the Jackson Creek aids shown on the manuscript were located from the radial plot. The Roane Point Light could not be office-identified on the photographs and has been plotted on the manuscript from the 1944 sextant position.

These two points were triangulated in 1953. They were symbolized accordingly by the reviewer HAC

On T-11059, the Broad Creek Daybeacons shown on the manuscript were located by the radial plot.

Submitted 1 May 1953

Stanley J. Hathorn

Stanley J. Hathorn
Cartographer (Photo)

Approved

L C Lande

L. C. Lande
Chief, Graphic Compilation Section
Division of Photogrammetry

COMPILATION REPORT

Ph-101(52)

Shoreline sheet T-11057

The following 1944 topographic stations originally located during the War Mapping Project CS-289 were relocated as a result of this radial plot (1952 photography) and new positions are shown on the card. After being verified these positions can be inked in to supersede the 1:20,000 positions where they differ.

T-11057

Silo	(1944)	1952
Eek	(1944)	1952
Gin	(1944)	1952
Cem	(1944)	1952
Pol	(1944)	1952
Ben	(1944)	1952 (~~same as 1944~~)

The following fixed aids were dut in during compilation and should be verified prior to submitting on form 567:

Indian Creek Entrance Lt. 2, 1952

Indian Creek Lt. 6, 1952

Dymer Creek Flats Lt., 1952

Port Hand Shoal Lt., 1952

Submitted 9 May 1953 by

Charles Hanavich

Approved by:

L. C. Lande

L. C. Lande, chief,
Graphic Compilation Section,
Division of Photogrammetry

NOTES TO HYDROGRAPHER
Project Ph-101
Shoreline Sheets T-11059 and T-11061 and T-11057

(Refer to Notes to Hydrographer, T-11157, T-11158 and T-11161.)

Original Forms 524 along with photostatic copies for aids to navigation are being forwarded you. Please return the original Forms 524 to the Graphic Compilation Section as soon as the positions theron are verified or new positions are obtained. Photostatic copies of topographic stations relocated by the radial plot are forwarded. If these original descriptions have change a recovery note should be submitted.

No attempt was made by the compiler to select landmarks in the area.

A listing of hydrographic signals by field photographs follows these notes.

Submitted 1 May 1953

Stanley J. Hathorn

Stanley J. Hathorn
Cartographer (Photo)

Approved

L. C. Lande
Chief, Graphic Compilation Section
Division of Photogrammetry

Hydrographic Signals
Project Ph-101
Sheet T-11057

Station No.	Description
552	South gable
553	End of pier
554	End of pier
555	End of Pier
556	Intersection of shoreline with road
557	West Gable
558	End of pier
559	Point of marsh
560	End of pier
561	Point of marsh
562	End of pier
562A	Light spot
574	End of pier
575	Point of grass
576	Bush
577	Center of sink hole
578	Intersection of T-road
579	Point of marsh
580	Point of marsh
581	Point of marsh
582	Apex of pond
583	NE point of marsh area
584	Bush
585	Point of grass
586	NE corner of fish trap
587	" " " " "
588	" " " " "
589	North " " " "
590	NE " " " "
591	SE " " " "
592	North end of sand area
593	Point of marsh
594	NE corner of white area
595	East end of sand spot
596	North end of white strip (probably walk)
597	Bush

Note: Numbers 598 and 599 inadvertently were not used.

600	Center of dry pond or sink hole.
601	NW corner of fish trap
602	Small tump (marsh?)
603	Center of sink hole
604	Small tump (marsh?)
605	Small bush at end of grass line
606	Center of sink hole

T-11061 Ph-101(52)

Field Photo 39663

No.	Description.
372	Tip of small point.
372A	Small bush.
373	NW Gable of house (chimney).
373A	Pt. of grass.
374	SW corner of tree line.
374A	Recess in Vegetation Line.
375	Center of dark spot.
375A	Point of Grass.
375B	4 ft. onto sand from extension of grassy center of strip of dirt 2-wheel road. (Black circle, 3-pt. fix by Romero in 1953), ((Blue circle, pass point position)).
376	SW. Gable.
377	Small bush at West end of tree line.
378	Chimney
378A	West corner of Pier.

see Form M-2388-12

Field Photo 39712

416	End of Pier.
417	NW Corner of White Area.
418	Gable of center of three houses.
419	Gable.
419A	NE corner of vegetation plot.
420	Small tree.
421	Silo. - See Form M 2388-12 "Computations".

Field Photo 39714

422	End of Pier.
423	Dark spot.
424	Point of vegetation.
425	NE end of pier.
426	Upstream Gable.
427	N. Gable.
428	South Gable.
429	NE corner of Pier.
430	Lone tree.
431	Dark spot.
432	End of Pier.
433	End of Pier.
434	SW corner of Pier.
435	SE corner of Duck Blind.
436	SW Gable.
437	Point of Vegetation
438	Point of Marsh.
439	South corner sunken (?) boat.
440	Corner of grass.
441	East Gable.
441A	SE corner of Pier.

T-11061 (Cont.)

Field Photo 39703

442 (Grin) (See Field Hydro description.) - SEE Form M-2388-12
443 (Les) (~~See Field Hydro description.~~) S.W. Corner of pier.
444 Corner of Pier.
445 North Gable.
446 South Dormer.
446A End of Pier.
446AB End of Pier.
447 SW corner of Pier.
448 South Gable.
449 NE Corner of platform for steps along north side.
450 Possible end of Bulkhead.
452 NE corner of vegetation.
453 NE corner of vegetation.
454 North Gable.
455 End of Pier.
456 End of Pier.
457 North corner of Pier.
458 NE corner of Pier.
459 End of Pier.
459A SW corner of Pier.
460 End of Pier.
461 End of Pier.
462 North Gable
463 End of Pier.
464 End of Pier.
465 End of Pier.
466 End of Pier.
467 NE corner of pier.
468 End of Pier.
469 North Gable of boathouse.
470 End of Pier.
471 End of Pier.
472 End of Pier.
472A End of Pier.
473 East end of highest portion of roof.
474 SE gable of open boathouse.
475 West gable of house.
476 South corner of duck blind.
477 Offshore gable of small building on beach. - 4th order Field Position - See Form M-2388-12
478 South corner of pier.
479 South Gable.
480 Corner of bulkhead.
481 North Gable of House.

Field Photo 39702

482 End of Pier. (Gable of prominent bldg. not located in office.
483 South Gable of house north of deep sand beach.
484 (Stan) - End of Pier (Radial plot position West of 3-pt. fix position, T-11059).
485 End of Groin

Field Photo 39702

No.	Description
486	Chmny at West Gable.
498	End of Pier.
499	Corner of Bulkhead ruins.
500	Sand opening in vegitation line.
501	Inshore end of groin at bulkhead line.
501A	E tip of marsh.
502	Center of vegitation ~~strip~~. spot.
502A	N tip of sw. marsh island.
503	Bush on point.
504	N corner of pier.
505	W corner of pier.
509	Corner of timber bulkhead.
510	Offshore end of groin.
510A	Tip of groin.
511	Point of marsh.
512	End of pier.
513	Dead pine 44 feet offshore of Jackson R.M.2, 1944, (4th order field position). (SON, 1953)

Field Photo 39715

	514	NE corner of pier. FIELD PHOTO 39715
	515	NE Gable (facing river) of large house
	516	SE corner of pond (dark area on photo).
	517	Corner of dark area (west of light strip).
	518	Dark spot in front yard near bank.
	518A	West tip of path at bank edge.

Field Photo 39717

519	End of Pier.
520	Dark spot.
521	Corner of field.
522	South Gable of barn.
523	E end of hedge row.
525	Bush
526	SE corner of pier.
527	End of pier.
528	Inshore vertical pipe of groin (4th order field position).
529	North gable of boathouse.
530	West gable of boathouse.
531	End of pier (ruins?)
532	End of Pier.
533	End of pier.
534	End of pier.
535	Point of marsh.
536	Point of vegitation.
537	SE corner of white area.
538	SW corner of pier.
539	Dark spot.
540	SE corner of pier.

MOS 1953 field position 4th order (Radial plot position in blue)

Field Photo 39700

T-11059 (Cont.) Ph-101(52)

Field Photo 39700

541 End of pier.
543 Dark spot.
544 end of pier.
544A Dark spot.
545 Bush.
546 Center of dark spot.
547 Bush.
548 End of pier.
549 Bush.
550 End of pier.
551 North point of dark spot.

T-11057

552 S. Gable.
553 End of Pier.
554 End of Pier.
555 End of Pier.
556 SE corner of bridge.
557 West Gable.
558 West corner of pier.
559 Point of marsh.
560 End of Pier.
561 Tip of Marsh.
562 S. Corner of Pier.
562A Light spot.

T-11059 (Cont.)

563 Pt. of Marsh.
564 NW corner of ~~field~~. fill.
565 Bush.
566 E. point of vegitation.
567 End of Groin.
568 West Gable of unpainted 2-story house. (w.r 1953) 4th order field position
569 Point of vegitation.
570 Dark spot.
571 NE corner of white area.
572 Tip of road end.
573 E. corner of white area.

Field Photo 39702 (cont.)

487	End of Pier.
488	Bush.
489	Tree.
490	Bush.
491	End (or angle) in Pier.
492	NE Gable of Boathouse.
493	End of Pier.
494	End of Pier.
495	End of Pier.
496	West Gable.
497	End of Pier.
506	Bush
507	Recess in point.
508	Lone tree on point.
508A	Corner of marsh tip.
508B	Point of Marsh.

607 Small tump (marsh?)
608 Bush
609 Center of white spot
610 North gable
611 End of pier
612 NE apex of pond
613 End of pier
614 Bush
615 West end of slu
616 Bush
617 End of pier
618 " " "
619 Bush
620 End of pier
621 Small tree
622 Bush
623 "
624 "
625
626 Point of marsh
627 " " "
628 Bush
629 End of pier
630 SW end of sink hole
631 End of pier
632 North end of white area
633 End of pier
634 " " "
635 " " "
636 West end of white area
637 Apex of stream (small)
638 Bush
639 Bush
640 End of pier
641 Center of small sand spot
642 End of pier
643 Point of marsh
644 Apex of pond
645 Small tump
646 Tip of inlet (of pond)
647 Tree
648 Tree
649 Center of small building
650 NE corner of rack
651 Bush
652 At apex of elbow in shoreline
653 End of pier
654 Tree
655 Center of small bldg.
656 Point of marsh

653A Bush

657	Point of marsh
658	Ventilator (center of bldg.)
659	End of pier
660	Small tree
661	North gable
662	North gable
663	End of pier
664	End of pier
665	Intersection of T-rd
666	South tip of brush line
667	End of pier
668	Small bush
669	Apex of field lines
670	North gable
671	Center of small white circular area
672	Point of marsh
673	End of pier
674	Point of marsh
675	End of pier
676	End of pier
677	Small bush
678	End of pier
679	Center of small white area
680	End of pier
681	Apex of pond
682	Point of marsh
683	Small tree
684	End of pier
685	Apex in shoreline
686	East gable
687	Bush
688	Center of sand area
689	Bush
689A	Point of grass
690	NW corner of sand area
691	Bush
692	Duck blind (center)
693	Point of vegetation
694	End of walk
695	Center of square brush patch
696	End of pier
697	Bush North of 2
698	Bush
698A	South corner of fish trap
699	Point of brush line
700	Center of sand area

711-aal

Cartographic Branch 4 March 1957

Chief, Photogrammetry Division

Review of Shoreline maps, Project 27130 (Va.& Md., Mobjack Bay to Potomac River)

It is my understanding that the project instructions call for the compilation of any new roads or road realignments in the project area, but that compilation has actually been limited to shoreline and signals for hydrographic support and has not covered any interior details.

In view of the press of work now on hand, I do not think that we should compile additional information on these maps. If such is needed for a chart revision, Mr. Brooks' Unit can take care of it as a chart correction job.

In reviewing the project, please be concerned only with the shoreline and information for hydrography and ignore the omission of interior details.

L. W. Swanson, Chief,
Photogrammetry Division

711-a 1

Cartographic Branch 4 March 19[illegible]

Chief, Photogrammetry Division

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L. W. Swanson, Chief,
Photogrammetry Division

GEOGRAPHIC NAMES

The geographic names tabulated below were verified by the Geographic Names Section and so recorded in the Hydrographic Reports covering the area. This list has been condensed from these reports to prevent duplication.

Little Oyster Creek
Oyster Creek
North Point
Little Bay
Antipoison Creek
Tabbs Creek
Ashleys Cove
Georges Cove
Poplar Neck Creek
Dymer Creek
Chases Cove
Johnson Creek
Hunts Cove
Lees Cove
Rones Bay
Fleets Bay
Fleets Bay Neck
Indian Creek
Chesapeake Bay
Windmill Point
Windmill Point Creek
Mosquito Creek
Mosquito Point
Sturgeon Creek
Rappahannock River
Virginia
Piankatank River
Cherry Point
Gwynn Island
Milford Haven
Hills Creek
Hickorynut Cove
Barn Creek
Edwards Creek
Wharf Creek
Lanes Creek
Winder Creek
Queens Creek
Miller Cove
Postle Cove
Kenney Creek
Hills Bay
Burton Point
Godfrey Bay
Warehouse Cove
Cores Creek
Moore Creek
Fishing Bay
Stove Point Neck
Jackson Creek

The geographic names tabulated below were verified at the time of the review.

Fleets Island
Clark Point
Antipoison Neck
Fleets Bay Neck
Deep Hole Point
Mosquito Island
Hunting Creek

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

OFFICE ADDRESS: Rm. 418 Post Office B'ldg.,
Norfolk-10, Virginia

TELEGRAPH ADDRESS:

EXPRESS ADDRESS: SHIP COWIE 26 October 1953

To: Mr. Bennett Jones,
Division of Photogrammetry,
U.S. Coast and Geodetic Survey,
Washington 25, D.C.

Subject: Disposition of Manuscripts and Photographs. (H 101

As you know, we have quite a number of manuscripts and photographs on the COWIE, some of which were not used this season, being for the area North of that worked this year. Those around the entrance of the Rappahannock River were used this year, but will be required next season in connection with finishing one incomplete boat sheet and for control on adjacent sheet.

The greater part of the field work locating control was done by Mr. Maki and Lt. Randall from your office but there also were a few spots taken care of by the personnel on this Ship. I think the latter is satisfactory but we have had limited experience in this work.

The question now is what you want me to do with the material. As you know, that covering the area worked this past season will be required by the processing office for the smooth sheets. Do you want the part required transmitted directly to the processing office and the remainder returned to you or do you want everything sent to the Washington office for review and then you forward that required to the Norfolk processing office?

You might be interested to know that on the whole we had very good luck with the points picked in the office for hydrographic signals. In most cases they could be used directly. In a few instances where the points were partially obstructed sub points were used, being tied into the point picked by direction and distance. A few additional points were located either by radial plot or byholding adjacent points already located on the manuscript where the scale of the photographs and manuscripts were about the same.

Best Regards,

J. [illegible] Brittain,
Comdr., USC&GS,
Comdg. Ship COWIE.

March 1954

REVIEW REPORT
T-11057 T-11059 T-11061
Shoreline Surveys
10 April 1957

62. Comparison with Registered Topographic Surveys

T-310	1:20,000	1850
T-521	1:20,000	1851-56
T-1100	1:20,000	1869
T-2857	1:20,000	1908-09
T-2869	1:20,000	1907-08
T-8342	1:20,000	1946
T-8343	1:20,000	1945

The manuscripts delineate shoreline only and were prepared to establish signals for hydrography. Inshore revision of nautical charts is not possible.

63. Comparison with maps of other agencies

USGS Deltaville, Virgina quadrangle;	1:24,000	1946
(This quadrangle based on T-8342)		
USGS Fleets Bay, Virginia quadrangle;	1:24,000	1946
(This quadrangle based on T-8343)		

64. Comparison with Contemporary Hydrographic Surveys

8080	1:10,000	1953
8082	1:10,000	1953-54
8188	1:10,000	1954

Hydrographic Report 8188 called for shoreline corrections at the following positions on T-11057.

Lat.	37°	40.63'	Long.	76°	21.68'	Verified	and	corrected
	37°	40.64'		76°	21.25'	"	"	"
	37°	39.90'		76°	21.00'	"	"	"

Hydrographic Report 8188 called for a shoreline correction at the following position on T-11055. Not this report

Lat. 37° 42.60' Long. 76° 20.94' Verified and corrected

65. Comparison with Nautical Charts

Chart # 534	1:40,000	3rd edition 7/2/51 revised 10/31/55
Chart # 1223	1:80,000	5th edition 8/22/55 revised 8/27/56

66. Map accuracy

For the purpose of establishing hydrography, the manuscript was evidently of sufficient accuracy as no difficulties were encountered by the hydrographer.

The manuscript conforms with the National Standards of Map Accuracy and the project instructions as amended.

REVIEW REPORT
T-11057 T-11059 T-11061

Reviewed by:

Approved:

Chief, Review Section
Division of Photogrammetry

Chief, Nautical Chart Branch
Division of Charts

Chief, Photogrammetry Division

Chief, Division of Coastal Surveys