

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

T-11057

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

T-11061

## LOCALITY

State VirginiaGeneral locality Chesapeake Bay- W. ShoreLocality Gwynn Island - Windmill Pt.  
Including mouths of Piankatank and  
Rappahannock Rivers194/52-53

## CHIEF OF PARTY

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

LIBRARY &amp; 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.

# 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

Planimetry

Date:

Stereoscopic Instrument compilation (III):

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:

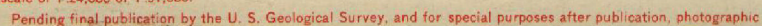
Number of Recoverable Photo Stations established (III):

Number of Temporary Photo Hydro Stations established (III):

Remarks:



## MAP INDEX 134-B





Photogrammetric Plot Report - Ph-101(52)

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

*Shoreline*

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 templates were used with the following exceptions, Master Template No. 36269 was used in preparing vinylite templates 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 and T-11054 was good. South of the Rappahannock on Manuscript T-11061 closure on control was poor as indicated on the manuscript and ~~control station~~ <sup>SUMMARY-CONTROL FOR THE RADIAL PLOT</sup> 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*  
*K C Lande*



# SUMMARY

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

<u>STATION NAME</u>	<u>REMARKS</u>	<u>TOLERANCE</u>
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.	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.	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	<del>4th order fld pos.,</del> <del>Fld. Ident.</del> 1953 triangulation HK	Held.
Stove Point Light, 1953	<del>4th order fld pos.,</del> <del>Fld. ident.</del> 1953 triangulation HK	<del>Rad. Plot pos falls 0.7</del> <del>mm. SE of fld. pos.</del> Held-position plotted in error HK
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.

Field position removed from mon. sheet for probable cause of error

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.

<u>STATION NAME</u>	<u>remarks</u>	<u>TOLERANCE</u>
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 hold 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 demonstrated 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. Ram*

(SHORELINE)

MAP T-11057

PROJECT NO Ph-101 (52)

SCALE OF MAP 1:10,000

SCALE FACTOR

[illegible]

131-90806 WEFB

COMPUTED BY: *MS* *2/27/10*

DATE 4/53

**CHECKED BY:**

DATE \_\_\_\_\_

M.2388.12



(Shoreline)

MAP T. 11059

PROJECT NO. Ph-101(52)

SCALE OF MAP 1:10,000

SCALE FACTOR

STATION	SOURCE OF INFORMATION (INDEX) P.P. Page	DATUM	LATITUDE OR $\psi$ -COORDINATE LONGITUDE OR $\alpha$ -COORDINATE	DISTANCE FROM GRID 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 76 17 34.606	09.4 (1840.4) 848.7 ( 622.8)			
Jackson, 1944	703	"	37 34 20.358 76 20 52.886	627.6 (1222.2) 1297.8 ( 174.6)			
Oyster House S. Gable, 1944	703	"	37 37 21.493 76 20 45.9368	662.6 (1187.2) 1126.5 ( 344.9)			
Jackson, 1944 R.M.-2(sub.sta.)		"	37 34 76 21	542.9 (1306.9) 58.3 (1414.1)			
Windmill Pt., L. Ho., 1989	491	"	37 35 48.513 76 14 10.740	1495.6 ( 354.2) 263.5 (1208.4)			
Windmill, 1932 RM No. 3		"	37 36 76 17	Long. 1835.0 ( 14.8) Lat. 909.6 ( 561.09)			
* Hydro Signal Mos 528		"	37 36 30.583 76 21 35.345	942.9 ( 906.9) 866.9 ( 604.7)			
** Hydro Signal Win 568		"	37 36 76 17	1781.8 ( 68.0) 936.9 ( 534.6)			
Hydro Signal Son** 513		"	37 34 76 20	627.1 1380.2			
** For Hydro Signal, located by Sub. Sta. method as object for 3-point fix by Lande & Hathorn.							
* For control of plot, located by 4th order field methods by Lande & Hathorn							

1 FT. = 3048006 METER

COMPILED BY: G.B. Willey

DATE 6 April 1953

CHECKED BY: gnd

DATE

M-2388-12



11061 (Shoreline)

Page 1 of 2

MAP T-11161

PROJECT NO Ph-101(52)

SCALE OF MAP 1:10,000

SCALE FACTOR

STATION	SOURCE OF INFORMATION (INDEX) (G.P. Page)	DATUM	LATITUDE OR $\psi$ -COORDINATE LONGITUDE OR $\chi$ -COORDINATE	DISTANCE FROM GRID 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)	FORWARD	(BACK)
Stingray Pt. Lt. Ho., 1900	491	N.A. 1927	37 33 40.062 76 16 13.411	1235.0	( 614.8 )					
Boss, 1920	492	"	37 32 47.205 76 18 46.181	1455.3	( 394.5 )				554	051
Grinnells (V), 1921	536	"	37 32 11.546 76 20 43.307	356.0	( 1493.8 )					
Stove, 1920 (VFC)	536	"	37 31 25.706 76 19 55.182	792.5	( 1057.3 )					
Boss, 1920 (Hathorn) (sub.sta. Romero)		"	37 32 45.483 76 18 46.867	1410.5	( 439.3 )					
Stove, 1920 (VFC) (sub.sta.)		"	37 31 76 19	791.8	( 1058.0 )					
Cher, 1953		"	37 30 52.912 76 17 55.695	1631.2	( 218.6 )					
Site 1953 Unchecked 4th order position		"	37 30 45.877 76 21 40.192	1367.8	( 105.7 )					
Cherry Pt. Lt.		"	37 31 15.856 76 18 38.675	1395.8	( 454.0 )					
Stove Pt. Lt.		"	37 30 50.922 76 18 56.518	987.1	( 486.5 )					
Abe		"	37 32 19.061 76 19 53.338	488.9	( 1360.9 )					
See 1953 order position		"	37 32 10.606 76 20 37.617	949.7	( 523.7 )					
				1569.9	( 279.9 )					
				1388.0	( 85.5 )					
				587.6	( 1262.2 )					
				1309.5	( 163.5 )					
				327.0	( 1522.8 )					
				923.5	( 549.5 )					

1 FT. = 3048008 METER

BY: *mds*

DATE April 1953

CHECKED BY: *Go Bailey*

DATE

M. 2388-12

See Compilation Report  
The data to fix by land  
to 1st order. See position  
on next page 146



STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR $\psi$ -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)	
Stan		N.A. 1927	37 33 39.77 76 17 56.93				1226.1 ( 623.7) 1397.2 ( 75.4)		
Stove R, 1980 (VFC) (Sub-sta.) (Hathorn-Feb)		"	37 31 76 19				793.2 (1056.6) 14702.0 ( 01.2)		
Grin* (near Grinnels)	Hydro Signal 442	"	37 32 11.173 76 20 45.890				379.9 (1469.9) 1126.7 ( 346.3)		
Ski**	Hydro Signal 477	"	37 32 76 18				1455.2 ( 394.7) 1052.9 ( 420.0)		442
* Instrument work by Lande and Hathorn, removed from manuscript.									Hydro Signal is radial plot position
** Plotted as Hydro signal - located same as sub. sta. from Boss.									
Cherry Point light, 1953	G.P. 851	"	37' 31 15.762 76 18 38.655				485.9 (1363.9) 949.2 (524.2)		
Stove Point light 1953	"	"	37 30 50.797 76 18 54.524				1566.0 (283.8) 1388.2 (85.3)		

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 ✓  
Rods (1944) 1953 ✓  
Lean (1944) 1953 ✓  
Mels (1944) 1953 ✓

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

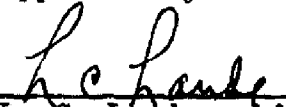
Dymer Creek Flats Lt., 1952

Port Hand Shoal Lt., 1952

Submitted 9 May 1953 by

Charles Hanavich

Approved by:

  
L. C. Lande, 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 thereon are verified or  
new positions are obtained. Photostatic copies of topo-  
graphic stations relocated by the radial plot are for-  
warded. If these original descriptions have change a  
recovery note should be submitted.

No attempt was made by the compiler to select land-  
marks in the area.

A listing of hydrographic signals by field photo-  
graphs 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

<u>Station No.</u>	<u>Description</u>
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

<u>No.</u>	<u>Description.</u>
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.
375A/B	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.

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 ~~river~~ Duck Blind.

436 SW Gable.

437 Point of Vegetation

438 Point of Marsh.

439 South corner sunken (?) boat.

440 Corner of grass.

441A 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 2 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 ~~472~~ 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  
 478 South corner of pier. Position - See Form  
 479 South Gable. M-2388-12  
 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

<u>No.</u>	<u>Description</u>
486	Chmny at West Gable.
498	End of Pier.
499	Corner of Bulkhead ruins.
500	Sand opening in vegetation line.
501	Inshore end of groin at bulkhead line.
501A	E tip of marsh.
502	Center of vegetation <del>strip</del> 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	514	NE corner of pier.	FIELD PHOTO <u>39715</u>
Photo	515	NE Gable (facing river) of large house	
<u>39715</u>	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 vegetation.
537	SE corner of white area.
538	SW corner of pier.
539	Dark spot.
540	SE corner of pier.

Field Photo 39700

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



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 vegetation.  
567 End of Groin.  
568 West Gable of unpainted 2-story house. (w.r 1953) <sup>4th order</sup> field position  
569 Point of vegetation.  
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



Cartographic Branch

R.E. Cravat, Operations 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

Cartographic Branch

H. H. Stat. Operational Branch  
14 March 1954

Chief, Photogrammetry Division Photogrammetry

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

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

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

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

DEPARTMENT OF COMMERCE  
U. S. COAST AND GEODETIC SURVEY

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

TELEGRAPH ADDRESS:

WIRE 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. *Ph 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 by holding adjacent points already located on the manuscript where the scale of the photographs and manuscripts were about the same.

Best Regards,

*W. H. Brittain*  
J. H. Brittain,  
Comdg. USCGS,  
Comdg. Ship COWIE.

*W. H. Brittain*  
*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, Virginia 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
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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:

Harmond Row

Approved:

L. C. Laude  
Chief, Review Section  
Division of Photogrammetry

Max B. Kettle  
Chief, Nautical Chart Branch  
Division of Charts

Ad. Bull  
Chief, Photogrammetry Division

J. H. Kneel  
Chief, Division of Coastal Surveys