

8158

Form 504  
Rev. June 1941  
DEPARTMENT OF COMMERCE  
U. S. COAST AND GEODETIC SURVEY

## DESCRIPTIVE REPORT

*Air Photographic* Sheet T-8158  
~~Soundings~~ ~~Survey~~ No. T-8158  
~~Photographs~~ (Field)  
Quadrangle Chincoteague  
West

### VIRGINIA CHINCOTEAGUE WEST QUADRANGLE

N 3752.5- W 7522.5/7.5

#### LOCALITY

State Virginia  
General locality Chincoteague Island  
Locality Chincoteague West

194 2

CHIEF OF PARTY  
Lieut. Comdr. Kenneth G. Crosby  
Lieut. Comdr. Wm. D. Patterson

U. S. GOVERNMENT PRINTING OFFICE 315551

February 6, 1945

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05  
11  
00

## DATA RECORD

T- 8158

Quadrangle (II): Chincoteague West

Project No. (II):  
CS-278-C

Field Office: Salisbury, Md.

Chief of Party: W. D. Patterson

Compilation Office: Tampa, Fla. Chief of Party: K. G. Crosby

Instructions dated (II III): 3-4-42

~~Copy filed in Descriptive~~  
~~Report No. T-~~ (VI)

Completed survey received in office: 11/16/42

Reported to Nautical Chart Section: 11/42

Reviewed: 3/30/43

Applied to chart No.

Date:

Redrafting Completed: 6/26/43

Registered: 2/6/45

Published: 12/14/43

Compilation Scale: 1:20,000

Published Scale: 1:31,680

Scale Factor (III): 1.00

Geographic Datum (III): N.A. 1927

Datum Plane (III): M.S.L.

Reference Station (III): Queen, (V.F.C.), 1933

Lat.: 37°55'02.121" (65.4 m.)

Long.: 75°24' 09.763" (238.5 m.)

Adjusted

~~Unadjusted~~

Virginia Plane Coordinates (South Zone)

State Plane Coordinates (VI):

X = 2,893,382.05 ft.

Y = 591,352.44 ft.

Military Grid Zone (VI) A

PHOTOGRAPHS (III)

<u>Number</u>	<u>Date</u>	<u>Time</u>	<u>Scale</u>	<u>Stage of Tide</u>
8700	4-14-42	12:00	1:20,000	+ 0.9 Ft.
8702	"	12:04	"	+ 0.9 Ft.
9084	"	1:57	"	+ 3.1 Ft.

Tide from (III): Predicted Tides, Chincoteague Point, Va.

Mean Range: 2.6 Ft.

Spring Range: 3.1 Ft.

Camera: (Kind or source) U.S.C. & G.S. 9-lens (Focal length 8 $\frac{1}{2}$ " )

Field Inspection by: C.A. Moritz, Caswell Silver

date: May, June,  
July 1942

Field Edit by: *Leo Levin, Asst. photo. Aid*

date: Dec, 1942

Date of Mean High-Water Line Location (III): April 14-22, 1942

Projection and Grids ruled by (III) Washington Offc. date: 9-14-42

" " " checked by: " " date:

Control plotted by: E. L. Maxwell, Deck Officer

date: 9-16-42

Control checked by: F. H. Elrod, Sr. Photo Aid

date: 9-16-42

Radial Plot by: Tampa Office Personnel

date: 9-18-42

Detailed by: A. L. Kidwell, Jr. Topo. Engr.

date: Oct. 1942

Reviewed in compilation office by:

date: Oct. & Nov.  
1942

E. L. Maxwell and C.A.J. Pauw  
Deck Officer Sr. Engr. Aid

Elevations on Field Edit Sheet

checked by: *Leo Levin, Asst. photo. Aid*

date: Dec, 1942

### STATISTICS (III)

Land Area (Sq. Statute Miles): 32.97

Shoreline (More than 200 meters to opposite shore): 59.39

Shoreline (Less than 200 meters to opposite shore): 76.96

Number of Recoverable Topographic Stations established: 1

Number of Temporary Hydrographic Stations located by radial plot: 2

Leveling (to control contours) - miles: 29

Roman numerals indicate whether the item is to be entered by, (II) Field Party, (III) Compilation Party, or, (VI) the Washington Office.

When entering names of personnel on this record give the surname and initials (not initials only).

Remarks:



DESCRIPTIVE REPORT  
TO ACCOMPANY  
SHEET NO. T-8158

CONTROL

All of the control stations on the sheet except some of those located by F.I.P. stations were held to during the radial plot and checked satisfactorily.

RADIAL PLOT

A discussion of the radial plot of which this sheet was a part is included in the descriptive report for sheet T-8155.

DETAILING

The photographs and field inspection were satisfactory for the office detailing except in the northern part of the sheet. Due to insufficient photographs the area included within Lat.  $37^{\circ} 58' - 60'$  and Long.  $75^{\circ} 24' - 28'$  had to be detailed by the use of two cut radial points. This area is therefore one of highly questionable accuracy. The scale of the photographs in this corner of the sheet was poor. The area east of Swansgut Creek in the same part of the sheet was not inspected in the field. This should be done and the information added to the survey sheet.

This sheet joins sheet T-8154 which was detailed in the Baltimore Office at the scale of 1:19,720. A strip was available showing this junction and the border was projected. The agreement was satisfactory except for two roads which should be investigated. No difficulty was experienced in the interpretation of the photographs.

SUPPLEMENTAL DATA

The only supplemental data used in the compilation of the sheet was a sketch of Chincoteague Landing which was drawn by the field inspectors on the back of one of the single lens field photographs.

LANDMARKS AND AIDS TO NAVIGATION

No unusual features were noted which would serve as landmarks.

Seven non-floating aids to navigation were located on the sheet and are recorded on Form 567 which has been made a part of this report. Two other aids to navigation, Middle Ground Beacon and Chincoteague Channel Red Dolphin, were located in the field by sextant fixes but could not be plotted on the survey sheet because of erroneous angles.

HYDROGRAPHIC CONTROL

All recoverable hydrographic and topographic stations suitable for the control of hydrographic surveys are recorded on Form 524 cards, ~~which are included in this report.~~



### COMPARISON WITH EXISTING TOPOGRAPHIC QUADRANGLES

The manuscript was compared with the U. S. Army Engineers topographic map of the Chincoteague Island Quadrangle and several discrepancies were noted.

In the area south of Powells Bay about one fourth square mile of marsh has disappeared, widening Wishart Pt. Channel considerably.

In the southeast corner of the sheet, Fishing Pt. now extends three fourths mile further northwest than on the Quadrangle sheet.

Assateague Pt. located about a mile north of Fishing Pt. is now about one half its previous length.

The shoreline above Assateague Pt. has changed considerably in shape. According to the photographs Little Assateague Bay has disappeared completely, leaving a marsh in its place. The name is shown, however, on the Geographic Name Sheet.

The highest elevation on the sheet is 49 feet whereas on the quadrangle sheet the whole area is stated to be less than 20 feet above mean sea level. ?

*There are several 40-ft contours on the quadrangle  
KTA.*

### COMPARISON WITH NAUTICAL CHARTS

This sheet was compared with Nautical Charts 1220 and 1221 (scale 1:80,000) published in May, 1937. The only observed discrepancy is at Gunboat Pt. in the south central part of the sheet where the Nautical charts show a sand spit projecting out into Chincoteague Channel. This has evidently been worn away by current action. It is recommended that the map compilation supersede the charted information at this point.

Any other discrepancies are too slight to be distinguished on the small scale charts compared.

Respectfully submitted,

*Albert L. Kidwell*

Albert L. Kidwell,  
Jr. Topographic Engineer

Forwarded by:

*Kenneth G. Crosby*  
Kenneth G. Crosby,  
Chief of Party....



FIELD EDIT REPORT  
QUADRANGLE T-8158  
Project CS-278-C  
F.L.Gallen, Chief of Party

1. The land area in this quadrangle is composed mainly of wooded areas and a few cultivated fields and includes part of the town of Chincoteague, Virginia.
4. Chincoteague Channel Light and Chincoteague Point Light were checked in the field by planetable and their geographic positions were found to be correct. They are shown on the map manuscript as triangulation stations. This correction was made since they were not shown as such by the Compilation Office.
15. Bridge classification was carried out in accordance with the instructions.
17. Political boundaries were obtained from maps issued by the Virginia State Roads Commission, and were verified in the field.
18. Geographic Names were taken from a special report CS-278-C submitted by A. J. Wraight.
45. The U. S. C. & G. S. Nautical chart #1221 shows a cable area from Gunboat Point to Chincoteague Point. There is no cable crossing between these points. There is a cable crossing from Gunboat Point to Fishing Point as shown on the map manuscript. This cable crossing is not shown on the nautical chart. *This information has been applied to charts 1220 & 1221 7/29/46 D.H.B.*
46. All additions and deletions were made in the field on the map manuscript and transferred to the smooth copy on completion. The inking was done in accordance with the following scheme:

<u>FEATURES</u>	<u>COLOR</u>
Additions, bench marks, wye levels	Black
Deletions	Green
Drainage features	Blue
Political boundaries	Purple

47. The position and amount of detail on this map manuscript is believed to be complete and accurate.
48. No vertical accuracy test was run on this sheet. T-8153 was contoured by the same topographer and a test was run on that sheet.

Horizontal accuracy tests were run on T-8159 and T-8154.

Submitted by

Louis Levin  
Louis Levin,  
Photogrammetric Aid

Approved by

F. L. Gallen  
F. L. Gallen,  
Chief of Party



22

TO BE CHARTED  
TO BE DELETED } STRIKE OUT ONE

LANDMARKS FOR CHARTS  
Tampa, Florida

Sheet T-8158      Chart letter # 633  
1942

I recommend that the following objects which have (have not) been inspected from seaward to determine their value as landmarks, be charted on ~~(detailed chart)~~ the charts indicated.

The positions given have been checked after listing.

*Samuel A. Weeks*

Kenneth G. Crosby

*Chief of Party.*

GENERAL  
LOCALITY

**Chinco teague Island, Va.**

GENERAL LOCALITY		POSITION									
NAME AND DESCRIPTION	LATITUDE		LONGITUDE		DATUM	METHOD OF LOCATION	DATE OF LOCATION	HARBOR CHART	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTED
	°	'	°	'							
Killick Shoal Light	37	56	<del>1472</del> 1479.8	75	22	<del>979</del> 987.5	M.A. 1927	Radial Plot	1942	X	1220 & 1221
Chincooteague Bay #2 Light	37	56	1174	75	22	753	"	Serpent Flx	"	X	"
Queen Sound Flats Light	37	55	144	75	23	1246	"	"	"	X	"
Chincooteague Pt. Light	37	53	1690	75	25	392	"	"	"	X	"
Fishing Point Light, 1942	37	52	1122	75	23	804	"	Traverse	"	X	"
Beacon #1	37	53	784	75	26	1310	"	Serpant Flx	"	X	"
Chincooteague Inlet Light	37	53	20	75	24	378	"	"	"	X	"
											</

This form shall be prepared in accordance with 1934 Field Memorandum, "LANDMARKS FOR CHARTS." Positions of charted landmarks and nonfloating aids to navigation, if redetermined, shall be reported on this form. The data should be considered for the whole of the area and not by individual field survey sheet. Information under each column heading should be given.



DEPARTMENT OF COMMERCE  
U. S. COAST AND GEODETIC SURVEY

P-8158

172 43

Chart letter #172  
1943

**TO BE CHARTED**  
**TO BE DELETED** } STRIKE OUT ONE

LANDMARKS FOR CHARTS  
PERMANENT AIDS TO NAVIGATION

Onancock, Va.

Dec. 25, 1942

I recommend that the following objects which have ~~(have 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.

F. L. Callen

Chief of Party

GENERAL LOCALITY	NAME AND DESCRIPTION	LATITUDE		POSITION		D.M. METERS	D.P. METERS	DATUM	METHOD OF LOCATION	DATE OF LOCATION	HARBOR CHART			CHARTS AFFECTED
		O	I	O	I									
CHINCOTEAGUE INLET, VA.	CHINCOTEAGUE BAY LIGHT "4"	37	58	1104	75	22	1387	N.A. 1927	Plane-table	1942	X			1220
	KILLICK SHOAL LIGHT	37	56	1479.8 <del>1475</del>	75	22	987.5 <del>979</del>	"	Radial plot	"	X			"
	CHINCOTEAGUE BAY LIGHT "2"	37	56	1174	75	22	951	"	Sextant	"	X			"
	CHINCOTEAGUE CHANNEL LIGHT (Light, Red Dolphin)	37	55	1213.2	75	23	656.0	"	Triangulation	1935	X			1221-1220
	QUEEN SOUND FLATS LIGHT	37	55	144	75	23	1264	"	Plane-table	1942	X			"
	MIDDLE GROUND BEACON	37	54	997	75	24	787	"	"	"	X			"
	CHINCOTEAGUE POINT LIGHT (Chincoteague Point Light)	37	53	1698.7	75	25	386.0	"	Triangulation	1937	X			"
	BEACON "1"	37	53	809	75	26	1345	"	Plane-table	1942	X			"
	FISHING POINT LIGHT	37	52	1122	75	23	804	"	Traverse	1942	X			"
	CHINCOTEAGUE INLET LIGHT	37	53	20	75	24	378	"	Sextant	1942	X			"

This form shall be prepared in accordance with 1934 Field Memorandum, "LANDMARKS FOR CHARTS." Positions of charted landmarks and nonfloating aids to navigation, if redetermined, shall be reported on this form. The data should be considered for the chart of the area and not by individual field survey sheets. Information under each column heading should be given.

Radial plot checks Triangulation position, new Light erected on old concrete foundation. REF 3-20-43



17  
23

## LANDMARKS FOR CHARTS

TO BE CHARTED  
TO BE DELETED } STRIKE OUT ONE

**Mancock, Virginia**

Dec. 23, 1942

Chart letter # 172

I recommend that the following objects which have ~~(have 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.

**H. I. Galtien**

**Chief of Party:**

[illegible]

This form shall be prepared in accordance with 1934 Field Memorandum, "LANDMARKS FOR CHARTS." Positions of charted landmarks and nonfloating aids to navigation, if redetermined, shall be reported on this form. The data should be considered for the chart of the area and not by individual field survey sheets. Information under each column heading should be given.

172 43

~~TO BE CHARTERED~~  
~~TO BE DELETED~~ } STRIKE OUT ONE

LANDMARKS FOR CHARTS  
Opancock, Va.

December 23 1942

I recommend that the following objects which have ~~(have 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.

H. L. Gellera

*Chief of Party.*

[illegible]

This form shall be prepared in accordance with 1934 Field Memorandum, "LANDMARKS FOR CHARTS." Positions of charted landmarks and nonfloating aids to navigation, if redetermined, shall be reported on this form. The data should be considered for the chart of the area and not by individual field survey sheets. Information under each column heading should be given.



*Rough Copy*

Geographic Names List For T-8158

- |                                |                                  |                       |
|--------------------------------|----------------------------------|-----------------------|
| ✓ Andrews Landing Gut          | ✓ Middle Mouth                   | ✓ Wire Narrows        |
| ✓ Assateague Channel           | ✓ Mosquito Creek                 | ✓ Wire Narrows Marsh  |
| ✓ Assateague Point             | ✓ Mosquito Point                 | ✓ Wishart             |
| ✓ Ballast Narrows              | ✓ Mud Bay                        | ✓ Wishart Point       |
| ✓ Ballast Tump                 | ✓ Mud Bay Gut                    | ✓ Wishart Pt. Channel |
| ✓ Big Semoneaston Creek        | ✓ Naval Airport                  |                       |
| ✓ Black Duck Creek             | ✓ New Channel                    |                       |
| ✓ Black Duck <sup>m</sup> arsh | ✓ New Inlet                      |                       |
| ✓ Black Narrows                | ✓ Old Root Narrows               |                       |
| ✓ Black Narrows Marsh          | ✓ Oyster Gut                     |                       |
| ✓ Black Point                  | ✓ Poplar Creek                   |                       |
| ✓ Black Point Drain            | ✓ Powells Bay                    |                       |
| ✓ Black Point Gut              | ✓ Queen Sound                    |                       |
| ✓ Black Point Landing          | ✓ Queen Sound Channel            |                       |
| ✓ Bogues Bay                   | ✓ Red Hills                      |                       |
| ✓ Cedar Creek                  | ✓ Rowleys Landing                |                       |
| ✓ Chincoteague                 | ✓ Semoneaston Bay                |                       |
| ✓ Chincoteague Bay             | ✓ Shelly Bay                     |                       |
| ✓ Chincoteague Channel         | ✓ Shelly Bay Point               |                       |
| ✓ Chincoteague Inlet           | ✓ Shelly Bay Marsh               |                       |
| ✓ Chincoteague Inlet Shoals    | ✓ Shooting Point                 |                       |
| ✓ Chincoteague Island          | ✓ Squirrel Creek                 |                       |
| ✓ Chincoteague Point           | ✓ Silva                          |                       |
| ✓ Cockle Point                 | ✓ Sinnickson                     |                       |
| ✓ Cockle Creek                 | ✓ Sloop Gut                      |                       |
| ✓ Coldkall Creek               | ✓ Smalleys Drain                 |                       |
| ✓ Cow Gut                      | ✓ Swansgut Creek                 |                       |
| ✓ Cow Gut Flat                 | ✓ Taylors Narrows                |                       |
| ✓ Dog <del>Head</del> Flats    | ✓ <del>Tea</del> Anchorage       |                       |
| ✓ Egging Marsh                 | ✓ The Canal                      |                       |
| ✓ Far Mouth                    | ✓ The Four Mouths                |                       |
| ✓ Fishing Point                | ✓ Tom Cove                       |                       |
| ✓ Fouling Gut                  | ✓ Upper Semoneaston Thoroughfare |                       |
| ✓ Gunboat Channel              | ✓ Walker Marsh                   |                       |
| ✓ Gunboat Point                | ✓ Walker Marsh Shoal             |                       |
| ✓ Horntown                     | ✓ Walker Point                   |                       |
| ✓ Horntown Landing             | ✓ Walker Point Marsh             |                       |
| ✓ Horse Marsh                  | ✓ Wallops Island                 |                       |
| ✓ Hummock Point                | ✓ Wallops Mill Pond              |                       |
| ✓ Island Hole Narrows          | ✓ Wallops Neck                   |                       |
| ✓ Jennkeys Gut                 | ✓ Watts Bay                      |                       |
| ✓ Ken Bunting Channel          | ✓ Whattsville                    |                       |
| ✓ Kendall Narrows              | ✓ Whattsville Branch             |                       |
| ✓ Killick Shoal                | ✓ Willis Channel                 |                       |
| ✓ Little Mosquito Creek        | ✓ Willis Creek                   |                       |
| ✓ Little Root Narrows          | ✓ Willis Marsh                   |                       |
| ✓ Little Semoneaston Cr.       | ✓ Willis Point                   |                       |
| ✓ Lower Semoneaston Creek      | ✓ Willis Shoal                   |                       |
| ✓ Middle Ground                | ✓ Winders Neck                   |                       |



## Remarks.

## Decisions

1		378753
2		"
3		" USGB
4	Pending with USGB with respect to Tom Cove	" U.S.G.B
5	Pending with USGB for exact application	"
6	Apply at extremity of point	378754
7		"
8		"
9		"
10		"
11		"
12	Pending with USGB for location of name (apply as on compilation)	" U.S.G.B
13	Pending with USGB, together with The Anchorage, for different application in local usage	" "
14		"
15		"
16		"
17		"
18		"
19	Pending with USGB	" U.S.G.B
20		"
21		" USGB
22	Omit this name, in view of USGB decision for Assateague Channel	"
23	Gradually filling up, but remains a locality name, derived from fact that it is on canal	"
24	to Assateague Channel — omit in view of Base Report	"
25		"
26		"
27		"
N 234		



# GEOGRAPHIC NAMES

Survey No. T-8158

CHINCOTEAGUE WEST  
quadrangle  
No. 1 Name on Survey

	A, On Chart No.	B, On previous survey No.	C, On U. S. quadrangle Maps	D, From local information	E, On local Maps	F, P. O. Guide or Map	G, Rand McNally Atlas	H, U. S. Light List	
✓ <u>Assateague Island</u> ✓									1
✓ <u>Assateague Point</u> ✓									2
✓ <u>Assateague Channel</u> ✓									3
✓ <u>Assateague Anchorage</u> ✓ <u>COVE</u>									4
✓ <u>Fishing Point</u> ✓									5
✓ <u>Wallops Island</u> ✓									6
✓ <u>Gunboat Point</u> ✓									7
✓ <u>Chincoteague Inlet</u> ✓									8
✓ <u>Chincoteague Channel</u> ✓									9
✓ <u>Chincoteague Point</u> ✓									10
✓ <u>Walker Point</u> ✓									11
✓ <u>Walker Marsh</u> ✓									12
✓ <u>Ballast Narrows</u> } u.s. & B. decision applies name to									13
<del>The Anchorage</del> } entire length									14
✓ <u>Island Hole Narrows</u> ✓									15
✓ <u>Taylor's Narrows</u> ✓									16
✓ <u>The Four Mouths</u> ✓									17
✓ <u>Powells Bay</u> ✓									18
✓ <u>Roots Narrows</u> ✓									19
✓ <u>Bogues Bay</u> ✓									20
✓ <u>Wishart</u> ✓									21
<del>New Inlet</del>									22
<del>Little Assateague Bay</del>									23
✓ <u>Andrews Landing Gut</u> ✓									24
✓ <u>The Canal</u> ✓									25
✓ <u>Hammock Point Ken Bunting Channel</u> ✓									26
✓ <u>Chincoteague Inlet Shoals</u> not shown									27



T-8158

No. 2

Remarks.

Decisions

1		378754
2		"
3		"
4		"
5		"
6		"
7		"
8		"
9		"
10		379753
11	Pending with USGS with respect to Chincoteague Island as name of town	" USGB
12		"
13		"
14		"
15		"
16		"
17		"
18		"
19		"
20		"
21		"
22	Omit: not shown on compilation	"
23		"
24		"
25		"
26		"
27		"



# GEOGRAPHIC NAMES

Survey No. T-8158

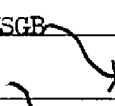

No. 2

Name on Survey

	On Chart No.	On previous survey No.	On U. S. quadrangle Maps	From local information	On local Maps	P. O. Guide or Map	Rand McNally Atlas	U. S. Light List	
A,	B,	C,	D	E	F	G	H	K	
<u>Gunboat Channel</u>	✓								1
<u>Cow Gut</u>	✓								2
<u>Cow Gut Flat</u>	✓								3
<u>Sloop Gut</u>	✓								4
<u>Walker Marsh Shoal</u>	✓								5
<u>Little Root Narrows</u>	✓								6
<u>Wishart Point</u>	✓								7
<u>Wishart Point Channel</u>	?								8
<u>Ballast Tump</u>	✓								9
<u>Chincoteague Island</u>	✓								10
<u>Chincoteague</u>	✓	(town)							11
<u>Black Narrows</u>	✓								12
<u>Killick Shoal</u>	✓								13
<u>Killick Shoal Lighthouse</u>	✓								14
<u>Wire Narrows</u>	✓								15
<u>Black Duck Creek</u>	✓								16
<u>Black Duck Marsh</u>	✓								17
<u>Black Point</u>	✓								18
<u>Black Point Landing</u>	✓								19
<u>Black Point Gut</u>	✓								20
<u>Black Point Drain</u>	✓								21
<del><u>Fish Hawk Gut</u></del>									22
<u>Fouling Gut</u>	✓								23
<u>Black Narrows Marsh</u>	✓								24
<u>Middle Mouth</u>	✓								25
<u>Far Mouth</u>	✓								26
<u>Horse Marsh</u>	✓								27

## Remarks.

## Decisions

1		380752
2	Pending with USGB	379754 USGB
3		"
4	Pending with USGB	" USGB
5		"
6		"
7		"
8		"
9	Pending with USGB	" U.S.G.B.
10		"
11	Pending with USGB	"
12	" " 	" USGB
13	" " 	" USGB
14	Pending with USGB	" USGB
15	" "	" U.S. GB
16		"
17		"
18	Pending with USGB	" U.S.G.B.
19		"
20		"
21		"
22		" USGB
23		"
24		"
25		"
26		"
27		"



# GEOGRAPHIC NAMES

Survey No. T-8165

No. 3

Name on Survey

		On Chart No.	On previous survey No.	On U. S. quadrangle Maps	From local information	On local Maps	P. O. Guide or Map	Rand McNally Atlas	U. S. Light List	
A,	B,	C,	D,	E,	F,	G,	H,	K,		
✓	✓									1
✓	✓									2
✓	✓									3
✓	✓									4
✓	✓									5
✓	✓									6
✓	✓									7
✓	✓									8
✓	✓									9
✓	✓									10
✓	✓									11
✓	✓									12
✓	✓									13
✓	✓									14
✓	✓									15
✓	✓									16
✓	✓									17
✓	✓									18
✓	✓									19
✓	✓									20
✓	✓									21
✓	✓									22
✓	✓									23
✓	✓									24
✓	✓									25
✓	✓									26
✓	✓									27

(both sides of Middle Ground)

## Remarks.

## Decisions

1		379754
2		"
3		"
4		"
5		"
6		"
7		"
8		"
9	See page 3, line 14	"
10	" " "	"
11		"
12		"
13	See page 3, line 14	"
14	" " "	"
15		"
16		"
17		"
18		"
19		"
20		"
21		"
22	Officially adopted spelling	
23		
24		
25		
26		379753
27		
M 234		



# GEOGRAPHIC NAMES

Survey No. T-8158

No. 4

Name on Survey

	A.	B.	C.	D.	E.	F.	G.	H.	K.	
<u>Middle Ground</u>										1
<u>Doghead Flats</u>										2
<u>Mud Bay</u>										3
<u>Mud Bay Gut</u>										4
<u>Wire Narrows Marsh</u>										5
<u>Shooting Point</u>										6
<u>Shelly Bay Marsh</u>										7
<u>Oyster Gut</u>										8
<u>Big Semoneaston Creek</u>										9
<u>Little Semoneaston Creek</u>										10
<u>Cedar Creek</u>										11
<u>Wattsville Branch</u>										12
<u>Lower Semoneaston Thorofare</u>										13
<u>Upper Semoneaston Thorofare</u>										14
<u>Jenneys Gut</u>										15
<u>Mosquito Point</u>										16
<u>Hornstown Landing</u>										17
<u>Red Hills</u>										18
										(red clay bluffs)
<u>Winders Neck</u>										19
<u>Poplar Creek</u>										20
<u>Squirrel Creek</u>										21
<u>Accomack County</u>										22
<u>State Highways Nos</u>	175	679	709	712	718	741				23
<u>Chincoteague</u>										24
										(political district)
<u>Atlantic</u>										25
<u>Smalley Drain</u>										26
										27

Names underlined in red approved  
by L. Heck on 1/29/43

## RECORDS

Between January, 1942 and July, 1944, this Bureau completed 323 quadrangles. These maps have been published, or are in the process of being published on scales of 1:31,680 or 1:25,000. This series of quadrangles includes a land area of approximately 15,000 square miles. Incident to this work, a considerable volume of survey records and data has accumulated which will be filed for future reference. This material is filed as follows:

### Registered and Filed in the Vault

Cloth-mounted copy of the published quadrangle.  
published quadrangle at 1:20,000 scale.  
Black and white cloth-mounted copy of the/~~map~~  
~~manuscript~~. This copy is filed to preserve  
original survey detail shown on the manuscript  
at 1:20,000 scale which may not have been shown  
on the published sheet. For ~~political boundaries,~~  
woodland, ~~march, and swamp limits,~~ refer to the  
published quadrangle for the finally adopted  
positions.

Descriptive Report.

### Filed in the Photogrammetric Section - Surveys Branch

Field inspection photographs.

Contoured photographs (on which planetable contouring work was performed.)

Field edit sheet.

Descriptions of recoverable topographic stations (Form 524), filed in Reviewing Unit.

Supplementary traverse and level records.

Field notes, computations, lists of positions, and tabulations of results of horizontal and vertical accuracy tests.

Reproduction proof.

Correction sheet (copy of quadrangle showing in red changes to be made when next printed.)

Check lists of work performed on each sheet in the Washington Office during review, drafting, edit, and reproduction.

Original celluloid manuscript.

Copies of specifications and all instructions  
to field parties and field offices.

Filed in Reproduction Branch

Glass negatives of the color separation drawings.

Filed in the Library

Special report on field work by Commander K. T.  
Adams, 1944.

Special report on office work by B. G. Jones, 1944.

Season's report on field work by Commander F. L.  
Gallen, 1944.

Season's report on field work by Commander R. L.  
Schoppe, 1944.

Delivered to the Army Map Service in accordance  
with the contract

Film negatives and film positives of the color  
separation drawings.

All color separation drawings.

~~Original celluloid manuscript.~~

A correction sheet consisting of a copy of the  
first edition of the quadrangle with notes in red  
indicating changes desirable at the next printing.



## General Procedure in the Production of Topographic Quadrangles for the War Department

This quadrangle, together with similar adjoining maps produced under Project C-5278-C, was prepared by the Coast and Geodetic Survey for the War Department under "General Specifications for War Department Mapping Program" issued about December 1941, in which is incorporated the "Standard of Accuracy for a National Map Production Program" issued by the Bureau of the Budget under date of June 10, 1941.

The general procedure in the production of this and the adjoining quadrangles was:

### FIELD SURVEYS

Aerial photography with the Coast and Geodetic Survey nine-lens camera with airplane and flight crew furnished by the U. S. Coast Guard. The photographs were taken to the scale of 1:20,000.

Ground inspection of the photographs for identification of control points, and classification and clarification of planimetric details on the photographs.

Contouring by planetable directly on the photographs. Supplementary vertical control was established by means of an extensive subordinate level net, furnishing unmarked elevations at road intersections, drive-ways, and numerous other points identifiable on the photographs.

### COMPILATION OF MANUSCRIPT

Compilation on the map manuscripts by radial plot methods (celluloid hand templets) of all planimetry and contours. These manuscripts were drawn on the scale of 1:20,000 on celluloid sheets on which polyconic projections had been ruled with the Projection Ruling Machine in the Washington Office. Compilation was accomplished in the ~~Salt Lake~~ Tampa Photogrammetric Office.

### FIELD EDIT

Comparison of a copy of the manuscript with the ground. This included inspection for completeness and accuracy as well as the location by planetable methods of additional details, checking of nautical and aeronautical aids to navigation, etc.

Accuracy Tests - Application of systematic horizontal and vertical accuracy tests to check the maps for conformity with the specifications. These tests consisted of comparison of the map position and elevation of selected random points with the true position and elevation as independently determined by standard survey methods.

#### PROCESSING IN THE WASHINGTON OFFICE

Review - Examination of the manuscript for accuracy and completeness of compilation and compliance with specifications, correcting where necessary; addition of military and state grids and other special features; and verification of the general adequacy of the manuscript as a basis for the production of a finished map.

Drafting and Reproduction - Preparation of smooth color separation drawings on 1:20,000 scale on metal-mounted "blue-line" copies of the manuscript. From these drawings, negatives and printing plates were prepared for reproduction of the finished map on the scale of 1:31,680 or 1:25,000.

## DIVISION OF CHARTS

### SURVEYS BRANCH

#### REVIEW OF AIR PHOTOGRAPHIC SURVEY T- 8158

#### CHINCOTEAGUE WEST QUADRANGLE

This quadrangle manuscript has been examined for completeness, accuracy, and conformity with the specifications. It is adequate for smooth drafting, reproduction and publication. Revisions found to be necessary in this office are discussed on the next page.

Horizontal and Vertical Accuracy Refer to page 6 of the Descriptive Report for quadrangle T-8154 for a copy of the results of the nearest horizontal accuracy test.

The nearest vertical accuracy test was performed on the field edit sheet for quadrangle T-8153.

#### Previous Surveys

This manuscript has been compared with the following previous topographic surveys of this Bureau and other agencies. This map is satisfactory to supersede the previous surveys over the common area.

T-5201	1:10,000	1934	
T-5193	1:20,000	1934	
T-5200	1:10,000	1934	
T-2896	1:20,000	1908	
T-704	1:20,000	1857	
T-723	1:20,000	1858	
T-522	1:20,000	1849	
T-524	1:20,000	1849	
Chincoteague Island	1:62,500	1938	U.S.E.

#### Comparison with Nautical Charts Nos. 1220 and 1221

The manuscript has not been applied to the charts at the date of this review. The following comments are pertinent to the compilation and correction of nautical charts: A wreck shown just off the north coast of Wallops Island on the chart, could not be located on any of the nine-lens photographs, and was, therefore, omitted from the quadrangle.

The cable area from Gunboat Point to Fishing Point should be revised on the chart.

The following revisions of the map manuscript were found to be necessary and were accomplished as a part of this review:

Investigation of the radial plot revealed that some of the radial points in the vicinity of Cackle Point were in error. These points had previously been marked as doubtful by the compilation office. The doubtful points were recut on this quadrangle and at the same time were cut in on quadrangle T-8154. In this way, good four point cuts were obtained for all of these questionable points, and the area was redetailed.

It was also found that the field inspection party had picked the wrong spire on triangulation station "Chincoteague Baptist Church, 1902", causing an error in the compilation of detail in the vicinity of Chincoteague Island and Killick Shoal Light. No description had been turned in by the original field party on this triangulation station. The detail in this area was replotted and subsequently confirmed the position of Killick Shoal Light as agreeing with the triangulation position of the old lighthouse, which had been torn down and replaced with a skeleton tower in 1935.

Reviewed 3/30/43 By Peter Kerr  
under direction of D. H. Benson *per J.H.S.*

Inspected by B. G. Jones *B.G. Jones*

Examined and approved:

Robert Whaley  
Chief, Surveys Branch

K.T. Adams  
Chief, Topography Section

J.B. Gordon  
Chief, Div. of Charts

F. Hude  
Chief, Div. of Coastal  
Surveys

## NAUTICAL CHARTS BRANCH

SURVEY NO. T-8158

### Record of Application to Charts

[illegible]

M-2168-1

A basic hydrographic or topographic survey supersedes all information of like nature on the uncorrected chart. Give reasons for deviations, if any, from recommendations made under "Comparison with Charts" in the Review.