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Department of Commerce and Labor
COAST AND GEODETIC SURVEY

O.H. Tittmann
Superintendent.

State: *Maryland*

DESCRIPTIVE REPORT.

Hydrographic Sheet No. ²⁹⁹³⁻⁴*2993-4*

LOCALITY:

*Chesapeake Bay, West
Side.*

1908-9

CHIEF OF PARTY:

O.W. Ferguson

2993 & 2994

DEPARTMENT OF COMMERCE AND LABOR.

COAST AND GEODETIC SURVEY.

O. H. TITTMANN, Superintendent.

Resurvey of the Chesapeake Bay, Maryland.

Descriptive Report of Topographic and Hydrographic

~~Sheet 908.~~

Comprising the Western Shore, Between

Latitude $38^{\circ} 00'$ to $38^{\circ} 19'$.

Longitude $76^{\circ} 19'$ to $76^{\circ} 25'$.

SCALE 1:20000.

From November 27th., 1908 to May 6th., 1909.

SCHOONER "MATCHLESS".

O. W. Ferguson, Assistant, C. & G. S., In Command.

OBSERVERS.

O. W. Ferguson, Assistant; James E. Marsh, Mate; Paul M. Trueblood, Deck Officer and Aid; R. R. Lukens, Deck Officer; John W. Clift, C. W.; and C. P. Holland, C. B. M.

RECORDERS.

Paul M. Trueblood, Deck Officer and Aid; R. R. Lukens, Deck Officer; John W. Clift, C. W.; and H. W. Godsey, W. 2cl.

LEADSMEN.

H. Arnesen, S. M. M. and B. E. Powell, Seaman.

TIDE OBSERVERS.

G. Holland, Keeper at Pt. No Pt. Lt. Ho.

R. Kuhn, Assist. " " " " " "

C. P. Holland, C. B. M.

W. W. Holland, Seaman.

J. E. Morgan, Seaman.

CONTROL.

Change of Coast Line or Depths.

Descriptive Report Topographic & Hydrographic

~~Sheet # 908.~~

The element of location in this work is controlled by (1) the old triangulation stations recovered, (2) those established during the past summer by Assistant C. C. Yates of the Maryland Shell Fish Commission, (3) by some supplementary triangulation (adding Raw), by plane table locations and by Sextant locations in a few cases as Do, Wreck and Red Nun Buoys.

The topography is completed to width of about 2 miles from Point Agin southward; but north of this point a good shore line and the creeks only are completed. The Hydrography is completed to a depth greater than 30 feet, requiring a width of from $1 \frac{1}{3}$ to $2 \frac{2}{3}$ miles, and covering an area of about 55 square miles and is comprehended in 486 miles of sounding line run, 35.4 miles of which were by whaleboat. The above includes St. Jeromes, a large Creek.

All old stations excepting the following were found,
Inigoes 1898;

Point Lookout 1854.

All stations established by the Maryland Shell Fish Commission were found.

A list of all of the stations and signals giving latitude and longitude (often scaled) and descriptions, is contained in the record book of triangulation.

The hydrographic development was in lines about 200 m. apart, nearly parallel with the shore; additional lines being run wherever needed to make the examination complete; cross lines, normal to the shore, were run about every 600 m.

This stretch is an exposed region quite without harbors. The Patuxent River, above Cedar Point, is a famous harbor; Cornfield Cove, on the Potomac, is a good harbor excepting for Southeastern winds and Smiths Creek, entering the North side of the Potomac and 7 miles above Point Lookout, is a good harbor, though the entrance is tortuous, past lock bars and the channel narrow, with 11 or 12 feet of water. However by aid of the Beacons entrance is successful. St. Jeromes Creek, two miles below Point No Point is a large creek with a wide bar at its mouth affording at low water barely 4 feet at best, with a high degree of probability of grounding when requiring 4 feet, but at a high tide 5 feet can be found. With high easterly winds the entrance would be very dangerous drawing 4 feet, even at high water.

T O W N S.

There are no towns on this stretch. There is a store and wharves, inside, at St. Jeromes Creek.

S U R F A C E.

The farming lands are of quite heavy ("Craw Fishy") soil; naturally cold and late but quite productive. The surface is generally intersperced with swampy spots and sometimes quite large areas and with many pieces of timber, in some places all of pine and in others a variety of pine, gum, oak, locust and areas of spruce pine. The surface is generally quite low

in elevation not often rising to a height of 10 feet but directly west from the western shore of St. Jeromes Creek and from 400 to 700 metres is a commanding ridge overlooking every arm of St. Jeromes and the bay in general, rising, to a height of 100 feet. Judging from old charts the Bay shores seem to have receded for long distances, and in some places over 100 m. The shores are sandy and maintain this character out to channel depths where the bottom is mostly soft.

Some spots or mounds above Point No Point are covered with boulders lying pretty evenly on the surface. The general evidence over this stretch shows signs of emergence of the shores similar to the region of the Patuxent.

I N D U S T R I E S.

The country is moderately occupied by cultivated areas, a good deal of corn and considerable wheat is raised. Some attention is paid to raising stock and a good deal relatively, to producing chickens, eggs and turkeys. Oystering, fishing and crabbing are carried on during their seasons.

Most of this shore is Oyster bottom and much dredging is done. In St. Jeromes Creek oysters are extensively cultivated and the quality is of the best. Deep Creek 2 1/8 miles below is a large shallow creek with an inlet kept open only by a pile jetty. It furnishes many dollars worth of Carp and Catfish, one fisherman alone received \$ 600 for his shipments last winter.

The fishing industry is extensive, trap nets being established in many places reaching as far out as 2 1/2 miles from the shore. Upon these the fisherman hang lanterns to prevent

boats from running them down. The shad begin to run in March and the herring in April; later trout and Rock are taken. These traps are a source of interference to the smooth progress of the hydrography.

There is good Artesian water at Solomons Island, on the Patuxent- and at Smiths Creek, in moderate quantities, flowing, at best, about three gallons a minute, and will suffice to water a ship.

There are good anchorages in the Patuxent, at Cornfield Cove and in Smiths Creek, and generally along the coast. This stretch is sheltered for winds from W. to NW. and in places from SW.

The sailing directions are not difficult. Cedar Point and Light are just above the northern limits, and very prominent, while Point No Point is land that is all the time in view, with Point No Point Light House $1 \frac{7}{8}$ miles off, which has at least 21 feet of water around it. Then point the land of Lookout and soon Point Lookout Light House comes in view.

O. W. Ferguson
Assistant

TITLE: SHEETS 908 AND A.
DEPARTMENT OF COMMERCE AND LABOR.
COAST AND GEODETIC SURVEY.

O. H. TITTMANN, Superintendent.

Resurvey of the Chesapeake Bay, Maryland.

Comprising the Western Shore, Bet.

Latitude 38 00' to 38 19'.

o And o

Longitude 76 19' to 76 25'.

SCALE 1:20000.

From November 17th., 1908 to May 6 th., 1909.

SCHOONER "MATCHLESS".

O. W. Ferguson, Assistant, C. & G. S. In Command.

OBSERVERS.

O. W. Ferguson, Assistant; James E. Marsh, Mate; Paul M. Trueblood, Deck Officer and Aid; R. R. Lukens, Deck Officer; and John W. Clift, C. W.; C. P. Holland, C. B. M.

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W. W. Holland, Seaman.

J. E. Morgan, Seaman.

List of Stations Used on the
Topographic and Hydrographic Survey
between Cedar Point and the Potomac River Chesapeake Bay
Maryland November 27th 1908 - May 6th 1909.

U.S. Geol. Surv.

~~Sheet 908 and A~~

Name of Signal		Latitude	Longitude	How Located			
Full Name	Short	ϕ	λ	Given	Theodolite	Planimeter	Sextant
	Ad	38° 09' 47.0 ^m	76° 19' 107.5 ^m			"	
	Barw	38 12 1546	76 23 13			"	
	Big	38 07 1685	76 19 905			"	
Cain ✓	Cain	38 16 1744	76 23 659.3	"			
Cedar Pt. L.M. '98	Cedar	38 17 1781	76 22 113.6	"			
	Elim	38 11 1345	76 22 45			"	
	Cutt	38 13 872	76 23 422			"	
Desert ✓	Des	38 15 1442	76 23 1382.4	"			
	Did	38 09 230	76 19 945			"	
	Do	38 15 972	76 23 1447			"	Sheet 908
	Do	38 02 562	76 17 1053			"	Sheet A
	For	38 08 600	76 19 450			"	
Ford ✓	Ford	38 14 3577	76 23 790.7	"			
	Fork	38 04 265	76 19 1036			"	
	F 1	38 07 294	76 20 665			"	F 1-9
	F 2	38 07 113	76 20 770			"	in Sailed
	F 3	38 07 1152	76 20 1025			"	Jerome's Pt.

Sheets ~~908 and A~~

Name of Signal		Latitude	Longitude	How Located			
Full Name	Short	ϕ	λ	Given	Theodolite	Planimeter	Sextant
	F 4	38° 07' 540 ^{m.}	76° 20' 1218 ^{m.}			"	
	F 5	38 06 1583	76 21 640			"	
	F 6	38 07 553	76 21 300			"	
	F 7	38 07 1048	76 21 173			"	
	F 8	38 08 511	76 20 1369			"	
	F 9	38 08 1220	76 20 1440			"	
	Gab	38 07 1312	76 20 87			"	
Point Agin	Gin	38 10 1010	76 21 294	"			
Hall 1901-1909	Hall	38 03 1125.6	76 21 1076.5	"			
	Hol	38 07 1085	76 19 1290			"	
	How	38 11 40	76 21 750			"	
	In	38 14 1120	76 23 983			"	
	Jin	38 09 750	76 19 1283			"	
St. Jerome '08	Jer	38 07 421	76 20 315.6	"			
Pt. No. Pt. St. No. '05	Light	38 07 1263.8	76 17 634.5	"			
Point Lookin ^{'08}	Look	38 05 1757.4	76 19 1257.4	"			
St. Michael's Cth.	Mic	38 07 535.6	76 19 742.5				
olic Ch. Sp. Cross (98 X 909)				"			
Net	Net	38 03 1330	76 18 541		"		"
Pt. No. Point	No	38 08 960.4	76 19 557	"			
Point Leopold	Out	38 02 1497.9	76 19 576.4				
St. No. 1846 X 1909				"			

Sheets ~~908 and A~~

Name of Signal		Latitude	Longitude	How Located				
Full Name	Short	ϕ	λ	Given	Theoretic	Plane	Distance	
Potomac 08	Pot	38° 02' ^{m.} 14314	76° 19' ^{m.} 224.7	"				
Raw *	Raw	38 04 1073	76 19 1180		"			
	Red	38 07 641	76 20 556			"		Sheet ⁺ 908
Nun Buoy #2 Off Point Lookout	Red	38 01 820	76 19 695				"	" A
Reed	Reed	38 12 458	76 22 560	"				
	Roof *	38 07 641	76 20 556			"		{ * Same \odot as Red }
Wreck Buoy off Point Lookout	Wreck	38 01 1273	76 19 684				"	{ Sheet 908 }

Exp. Sheet No. 2993.

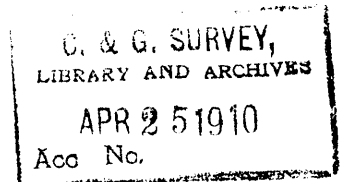
July 12, 1909.

The area within the limits of the survey is well covered, and the crossings are unusually good.

The records were kept in a satisfactory manner.

H. L. Simons

Hyd Sheet No 2994



While the work over the ground fairly well there are areas which should have been further developed.

The records were kept in a satisfactory manner.

H. L. Simons

H. 2993 applied to Cht. Comp. 553 9-2-42 K.P.
H. 2993 applied to cht. 557 north of Pt. No Pt. J.M.A. 2/10/43

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C. & G. SURVEY,
LIBRARY AND ARCHIVES

JUL 30 1909

Acc. No.

Department of Commerce and Labor
COAST AND GEODETIC SURVEY

O. H. Tittmann
Superintendent.

State: *Maryland*

DESCRIPTIVE REPORT.

Map Sheet No. *2994^x*

LOCALITY:

*Chesapeake Bay, West
Shore, Pt. Look-in to Pt.
Lookout, including
Topography*

1909

CHIEF OF PARTY:

O. W. Ferguson

2994

27:6

Library and Archives

Insp'r of Light & Tides

FORM 65.—Field Letter.

Post-Office Address: H. B. Sahr Matchless

Neem, Va

D & E Div. 1899

Telegraph Address:

2994

RECEIVED BY ASSISTANT IN CHARGE AND REFERRED TO JUL 30 1909

Express Office:

Department of Commerce and Labor

11-444 COAST AND GEODETIC SURVEY

COAST AND GEODETIC SURVEY

JUL 27 1909

C. & G. SURVEY, LIBRARY OF ARCHIVES, JUL 30 1909, Assistant in Charge, Acc No.

H. B. Sahr Matchless

Neem Va

July 26th, 1909

Mr. O. H. Litzmann Superintendent

ANSWERED AUG 3 - 1909 Library and Archives

Sir:

I have the honor to make the following report upon completion of the Revision of the Topography of Point Lookout, Maryland, as directed in your instructions of June 28th 1909.

I began this work as soon as the Matchless reached the ground on her way from Baltimore to the Rappahannock, at noon on the 19th instant - and finished at noon on the 20th encountering a few light showers and some stiff breezes.

The points in common with the original sheet are, 1st Δ Paw, quite approximate - in azimuth - only 2 Δ The fence post - an South side of road leading to the Confederate - Monument - top of bank and corner of fence.

3 \circ Forks.

4 Δ Palomae.

2994^X

5 * Paint-lookant - Light Hawk.

also the cuts on Paint-No Paint - Light Hawk
on Δ ? about 1 $\frac{1}{2}$ miles up the Patomac from
the Paint-lookant-Lt. Hawk

and Δ Half farther up the Patomac.

✓ In a separate package I forward
the field sheet - containing I think all information
needed.

Respectfully Submitted
O. W. Ferguson.
Assistant.