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Acc. No.

Diag. Chart No. 1215-1

Department of Commerce and Labor
COAST AND GEODETIC SURVEY

O. H. Wittmann
Superintendent.

State: *New York*

DESCRIPTIVE REPORT.

Hys Sheet No. *2995*

LOCALITY:

*Fire Island
Inlet*

1909

CHIEF OF PARTY:

E. B. Latham

2995

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Descriptive Report, Hydrographic Sheet No 2995

Fire Island Inlet, South Shore of Long Island New York
E. B. Satham 1909.

NOV 3 1909

This survey was made in compliance with instructions dated May 10th 1909, "to indicate the present westwardly limit of the shore off the west Point of Fire Island and the westerly portion of the Channel into the Inlet"

Some additional lines of soundings were made while going to and returning from the area indicated for investigation.

This inlet, is reported to shift after each storm, and does rapidly change in depth and location. While this sheet does not show a complete survey of the Inlet, the work called for by the instructions is shown.

Respectfully Submitted,

E. B. Satham

Chief of Party.

Washington, Nov. 30th 1909

POSITIONS

JUN 7 1909
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State

AZIMUTH.

BACK AZIMUTH.

TO STATIONS.

DISTANCE.

LOGARITHMS.

Meters.

*Geographical Positions of
Hydrographic Stations*

Resurvey Fijian Islands Inlet

New York

1909

E. Z. Sullivan, Assist. C. & G.

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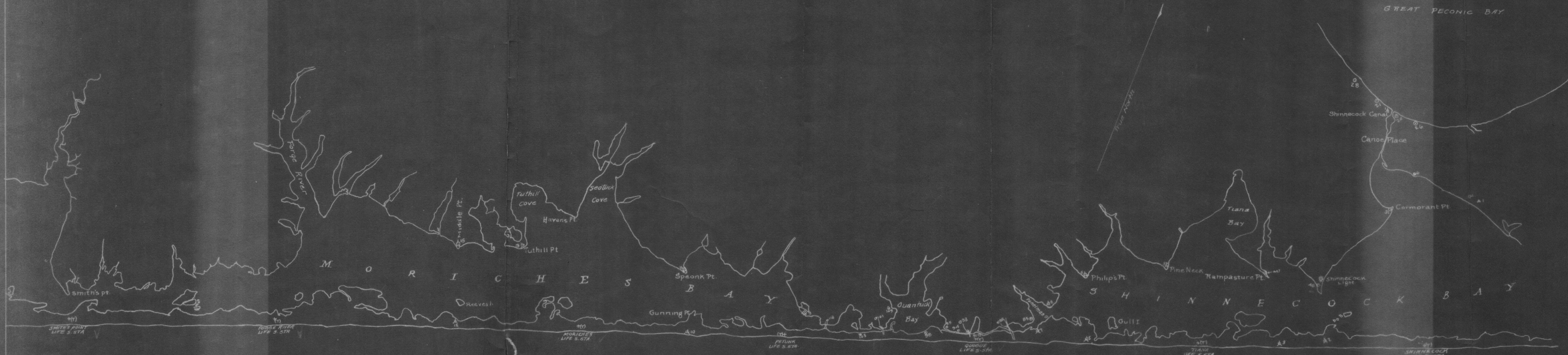
GEOGRAPHICAL

Locality *South Shore Long Island vicinity Fire Island Inlet.*

11-876

STATIONS:	LATITUDE.			LONGITUDE.				
	°	'	"	°	'	"		
<i>Mia</i>	40	38	14.75	454.98	73	16	26.59	624.82
			45.25	³ 1795.77			33.41	785.08
<i>Beach</i>	40	37	47.00	1449.74	73	20	34.85	819.20
			13.00	401.00			25.15	591.10
<i>Block Flavermy Club House Hyd. (Hav)</i>	40	38	33.96	1047.6	73	14	49.14	1154.6
			26.04	803.2			10.86	255.2
<i>Windmill Salitarium. Hyd (San)</i>	40	38	30.81	950.4	73	18	43.47	1021.5
			29.19	900.4			16.53	388.4
<i>Flag pole Oak Island S.S. Sta Hyd (Oak)</i>	40	38	20.72	639.1	73	17	52.90	1243.0
			39.28	1211.6			7.10	166.8
<i>Windmill nowheel on Beach Hyd (Win)</i>	40	38	17.79	548.7	73	17	^{13.} 13.23	311.1
			42.21	1301.9			46.76	1098.8
<i>Plane table positions</i>								
<i>Pi</i>	40	37		946	73	15		1318
<i>No</i>	40	38		363	73	15		814
<i>Me</i>	40	38		317	73	15		1175
<i>Jw</i>	40	38		506	73	16		1262
<i>Red</i>	40	38		471	73	18		398
<i>Yellow</i>	40	38		233	73	19		4

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MAP
Showing approximate location
of Triangulation Stas & Sdg. Stations
used on the Smith's Point - Peconic Bay
Section of the L.I. South Shore & Peconic Bay
Survey

Respectfully submitted
William Henry
SURVEYOR

A¹ is a nail in center of plug on top of sugar loaf Hill. This hill is directly across Shinnecock Bay from Cormorant Pt. This hill cannot be mistaken as it is the highest hill in the group at this point. Plug is an exact summit of hill.

A² is a nail in center of plug located about 175' N.W. of A¹ and about 720' from H.W. line. It is opposite Cormorant Pt. and includes angle of about 139° with A¹ and A³¹ on Cormorant Pt.

A³ is a circle cut on sloping face of a large boulder located about 25' from H.W. line and at a pt. approximately at right angles to S. side of Cormorant Pt.

A⁴ is a nail in plug located 100' W. of N. breakwater of Shinnecock Canal on the shore of Peconic Bay. It is located about 120' from Peconic Bay H.W. line.

A⁵ is a nail in plug located about 55' E. of E. Breakwater of the Shinnecock Canal and 130' S. of Peconic Bay H.W. line.

A⁶ is a nail in plug located about 340' W. of W. Breakwater of Shinnecock Canal and 104' S. of end at H. angles to Peconic Bay.

A⁷ is a nail in plug located about 1470' E. of A⁵ or about 1510' E. of E. Breakwater of Shinnecock Bay and about 40' S. of end at H. angles to Peconic Bay H.W. line.

A⁸ is a nail in plug located on Cormorant Pt. at a pt. where shore line starts to round toward Cape Pt. cave. It is located 30' from Bay and 30' from cave side of Pt.

A⁹ is a nail in plug located 900' N.W. from very Pt. of Pin Quogue Pt. and 90' N.E. of end at H. angles to H.W. line of S. side of Pt.

A¹⁰ is a nail in plug located on high ridge on Thompson's Pt. It is directly opposite Pin Quogue Pt. and about 1870' from Bayside of Beach and 200' from Atlantic Ocean H.W. line.

A¹¹ is a nail in plug located on Tiana Beach directly opposite Rampasture Pt. about 120' from Atlantic Ocean side and about 910' from Bayside of Beach.

A¹² is a nail in plug located on the end of Rampasture Pt. It is 60' from E. side of Pt. and 70' from W. side.

A¹³ is a nail in plug located on Pine Neck Pt. It is located about 490' from end of Pt. and about 20' from H.W. line at H. angles to H.W. line of E. side of Pt.

A¹⁴ is a nail in plug located on Tiana Beach directly opposite Phillips Pt. It is about 91' from Pt. and 120' from Atlantic Ocean.

A¹⁵ is a nail in plug located on Phillips Pt. It is about 100' from end of Pt. and 20' from H.W. line at H. angles to East side of Point.

A¹⁶ is a nail in plug located on a pt. at S. side of entrance to Quogue Canal. It is about 30' from H.W. line of mouth of canal and opposite Pt. on W. side of entrance to Pennington Creek.

A¹⁷ is a nail in plug located on a pt. at E. side of entrance to Pennington. It is about 20' from H.W. line of Creek.

A¹⁸ is a nail in plug located on Pt. at E. side of entrance to Pennington. It is about 20' from H.W. line of Creek.

A¹⁹ is located on Pt. at W. side of entrance to Pennington and opposite A¹⁸. It is about 20' from H.W. line of Creek.

A²⁰ is a nail in plug on N. side of Post Bay over Quogue Canal. It is about 140' N. side of Pt. and 70' from W. side of Road.

A²¹ is a nail in plug located on a strip of land between Quogue Canal and Small Pond. It is about 300' N.E. of the Quogue L.S. Sta.

A²² is a nail in plug located about 20' N. of N. side of Dr. (Quogue Br.) over Quogue Canal. It is about 20' from Center of Road.

A²³ is a nail in plug on N. side of Quogue Canal at a pt. where a small stream branches North. It is about 120' W. of the Quogue Br.

A²⁴ is a nail in plug located on N. side of Quogue Canal at a pt. adjoining entrance to Quantuck Bay. It is about 19' N. of N. side of canal.

A²⁵ is a nail in plug about 1200' W. of E. entrance to Quantuck Bay. It is about 20' S. of H.W. line of Quantuck Bay.

A²⁶ is a nail in plug located on N. approach to the Beach Lane Br. over the Quogue Canal. It is about 3' N. of N. end of Bridge.

A²⁷ is a nail in plug located on the S. shore of (S. shore) Money Bun Bay at the entrance of the Quogue Canal. It is about 35' from H.W. line of Money Bun Bay and opposite the end of Reedy Island.

A²⁸ is a nail in plug located on the W. shore of Quantuck Bay on a pt. extending out into the Bay. It is about 150' E. of the Beach Lane Road and 150' from the H.W. line of Quantuck Bay.

A²⁹ is a nail in plug located on N. side of entrance into Moriches Bay at a pt. about 430' N. of N. end of Jays Bridge.

A³⁰ is a nail in plug located on the N. side of Moriches Bay at a point 300' from S. side of neck of end and 80' from H.W. line of Moriches Bay.

A³¹ is a nail in plug located about 800' S. of S. shore of Moriches Bay and directly opposite Speonk Pt.

A³² is a nail in plug located on the end of Speonk Pt. at a pt. about 30' from H.W. line of E. side of Point.

A³³ is a plug with nail in center located on S. shore of Moriches Bay at a point opposite Reeves Island and about 1040' from H.W. line of Moriches Bay, on a small shed.

A³⁴ is a nail in plug located on Tuttle's Pt. on N. shore of Moriches Bay. It is about 6' from H.W. line and 10' N. of intersection of a rail fence with H.W. line.

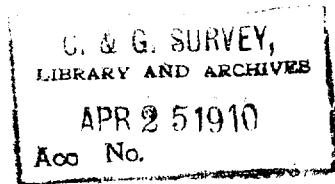
A³⁵ is a center nail of 5 nails in top of plug 6" above the ground. It is located on Middle Point on N. shore of Moriches Bay about 720' West of Tuttle's Pt.

A³⁶ is a nail in plug located on shore of Peconic Bay about 1400' W. of W. Breakwater of Shinnecock Canal. It is about 20' S. of end at H. angles to Peconic Bay H.W. line.

Note: The following U.S.C. & G.S. Stations were connected with Shinnecock Lt. Ho, Shinnecock L.S. Sta, Tiana L.S. Sta, Quogue L.S. Sta, Point L.S. Sta, Moriches L.S. Sta, Peconic River L.S. Sta, and Smith's Point L.S. Sta.

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Report on Hyd Sheet 2995.



The sounding record is poorly kept and contains many uncertainties in time, depth and position.

The system of lines is not satisfactory.

There are many suspicious soundings on this sheet, but no definite reason can be given for rejecting them, except that they appear unnatural and irregular.

The work covers only the constantly changing area and should have been extended so as to join the Engineer's Survey of 1905 (Blueprint No 12733) on more stable ground.

R. L. Johnston
Draftsman
9/1/09.

Geo
9-2-09