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C. & G. SURVEY,  
MAR 29 1912

Department of Commerce and Labor  
COAST AND GEODETIC SURVEY

Superintendent.

State: *Conn.*

DESCRIPTIVE REPORT.

Sheet No.

LOCALITY:

*N. Shore of Long Id. Sound -  
Milford to Bridgeport*

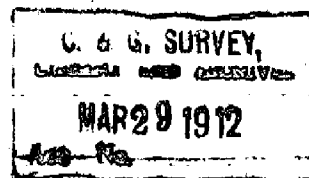
1908

CHIEF OF PARTY:

*H. P. Ritter*

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Descriptive report to accompany

Topographic Sheet no 2867.

Being a Topographic and compiled Hydrographic  
revision of Coast and Geodetic Survey

Chart no. 264.

By Homer P. Ritter, Asst. Chf. Survey

1908

Scale  $\frac{1}{10000}$

2867

Topographic Sheet No. 2867.

Department of Commerce and Labor,  
Coast and Geodetic Survey  
O.H. Tittmann, Superintendent

Topographic and compiled Hydrographic  
revision of Coast and Geodetic Survey Chart No. 264.  
North shore of Long Island Sound,  
Milford to Bridgeport,  
Connecticut.

Scale  $\frac{1}{10000}$ .

Topography revised to October, 1908.

by Homer P. Ritter, Asst.

Field Work by { Homer P. Ritter, Asst.  
H. R. Gustafson, "Hand"

Transfer to sheet . H.P.R.

Hyd. Housatonic River from U.S. Engineers.

The topographic revision of Chart No. 264 was made pursuant to Superintendents Instructions of Sept. 13, 1907, being supplemental to those of July 10, 1907 which directed that the following work be taken up.

1. Supplement the published charts by supplying such topographical details of importance to the navigator as are not already represented; this will include new villages or resorts, on or near the coast, prominent buildings, wharves, and other improvements.
2. Recover old triangulation stations, especially those in the vicinity of your other work, check descriptions and remark the stations if necessary.
3. Examine old bench marks, report on their condition, and, if deemed advisable, establish new ones.
4. Wherever work is being done by the Engineers, connect their work with the C&S. S. triangulation, if practicable.
5. Where new villages, etc., are located, they should, if not involving too much time and expense, be connected with the coast triangulation.

6. Any triangulation done under these instructions shall be done in accordance with the General Instructions for Tertiary Triangulation, issued January 10, 1905.

7. The Topographic work done is to be placed directly upon the published charts, using for this purpose charts of the largest scale available.

The field work of the revision was begun on Sept. 14<sup>th</sup> 1907 and carried on in conjunction with other work at various times. The work was not continuous on account of being broken into by numerous other details & assignments varying in length from a few days to several weeks each.

The results of the field work showing on a backed copy of Chart 264 the corrections up to October 1908 were forwarded to the Office on Oct. 13, 1908.

The work consisted in taking the published chart (No. 264) of the Survey; going over the ground with it and eliminating from or adding thereon the important topographic (and on the Housatonic River the hydrographic) changes that have taken place subsequent to

the surveys used in compiling the chart.

When obtainable, surveys made by the U.S. Engineers, railroads or others, were reduced to the scale of the chart and placed thereon and adjusted to the chart by identifying in the field, points common to both.

In revising the shore line; location of isolated new wharves <sup>and</sup> other principal features, angles taken with sextant on located points of the chart were made use of; care being taken to use only points near by in order to guard against possible distortion of the points due to unequal shrinking or expansion of the chart used. Measurements with steel tape <sup>and</sup> (for less important details) pacing was also made use of.

For convenience of manipulation the chart used ~~in~~ in the field was cut up into pieces of suitable size <sup>and</sup> the changes noted thereon in the field were subsequently transferred to a backed copy of the chart kept indoors.

In inking the buildings on the sheet no.

endeavor was made to distinguish brick and stone from wooden structures by solid and open shading.

For the purpose of clearness only one line is generally shown in representing the railroad and trolley lines.

The main line of the N.Y. N.H. & H.P.R. consists of 4 parallel tracks close together.

The trolley lines are generally double-tracked. The hydrography of the Housatonic River, shown on the sheet was taken from blueprints obtained from the U.S. Engineer Office at New Haven, Conn. and incorporated with the revision by the requisite instrumental measures in the field.

The blueprints (5) with an explanatory letter from the U.S. Engr. Office, was forwarded by me on Oct. 13, 1908.

As no plane table was used, no list of O. T. positions is given.

A list of a number of located points, some of them triangulation stations, others located by sextant or linear measures, is given.

The positions were scaled from the sheet.

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Object & description	LATITUDE	D. M.	LONGITUDE	D. P.	HEIGHT	REMARKS
	° ' "	METERS	° ' "	METERS	FEET.	
△ Hospital, tower	41 11	654.3	73 10	17.7		Apex of highest
○ Boundary monument	41 10	410.-	73 09	891.-		
○ " "	41 10	768.-	73 09	766.-		
○ Chimney, dwelling	41 10	556.-	73 08	1346.-		
○ " cottage	41 09	231.-	73 08	1228.-		
○ Sluice Gate, S.W. corner.	41 09	1212.-	73 08	690.-		
○ " " " "	41 09	962.-	73 08	447.-		
△ Stratford, Cong. Ch. spire.	41 11	1024.2	73 07	1207.6		
△ " , Episc. " "	41 11	576.3	73 07	1166.6		
○ Back Target H. River range	41 10	1700.-	73 07	961.-		
○ Windmill, Shorelands	41 09	5.-	73 07	710.-		
○ " "	41 09	30.-	73 07	675.-		
○ Front Target, H. River range	41 10	1428.-	73 07	651.-		
△ Stratford Point L.H.	41 09	222.7	73 06	314.2		
△ " Beacon	41 09	1453.5	73 06	347.1		
○ Flg. staff, Hotel Laurel Beach.	41 11	127.-	73 05	1002.-		
○ Liberty Rock.	41 12	560.-	73 05	950.-		
○ Breakwater Lt. (outer end)	41 09	1202.-	73 05	837.-		Assatonis R.
○ Water tower.	41 12	662.-	73 05	522.-		
○ Cup. Hotel, Walnut Beach	41 11	1035.-	73 04	1318.-		