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2905
1908

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Department of Commerce and Labor
COAST AND GEODETIC SURVEY

O. H. Tittmann
Superintendent.

State: *New Hampshire*

DESCRIPTIVE REPORT.

Topographical Sheet No. *2905*

LOCALITY:

Exeter River

1908

CHIEF OF PARTY:

S. B. Mainwright

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Descriptive Report of
EXETER RIVER ^{and} VICINITY
July - August 1908.

Scale 1-10000

Contour interval 20 feet

Projection and sheet inked by E. Collins

Surveyed by D.B. Wainwright, Asst. Chief of Party

E.B. Collins, Asst

During to the fact, that no triangulation points were available, within the area included by this sheet, or were likely to be available, in the near future, the controlling points for this work were determined by measuring a stadia base line 1935 meters in length, along the rail road tangent, situated at the north end of the sheet, and from this base developing a scheme of graphic triangulation, southward along the valley of the Exeter River, to the town of Exeter.

Verbal descriptions of the principal objects so determined were furnished Assistant French who took up the triangulation of this region.

The positions of nearly all the prominent buildings, shown on the sheet were determined by intersections. Their shape and dimensions as well as the arrangement of dependent outbuildings were generalized.

The greatest care was exercised in the location of the high water line, the main highways and steam railroads. In the country, all important fence lines, especially such as appeared to be boundary lines, were carefully located, all other fences were either sketched or ignored.

The line of demarcation, between marsh and fast land, was well determined, when well defined.

Such details as wood line, orchards, small streams, and farm roads were sketched.

In the open country the contours were carefully located from numerous Vertical Angles, to critical points.

The street plan of Exeter is from a photographic reduction of a large scale plan controlled by several determined points within the area.

The commercial usefulness of the Exeter River is due to the means it affords for transporting

by water, of coal for manufacturing, and domestic purposes.

The river has a narrow channel, which has been twice dredged and improved by the Engineers. U. S. A.

The area outside the settlements is farmed to a certain extent, the principal crop being wheat. Apple orchards are very numerous.

The number of fences is small, and the tendency appears to be to still further decrease their number by using the rock for road, building, or other purposes, without replacing it by other material.

On completion of the making of the sheet the geographical positions of a number of points were available for projecting the meridians & parallels.

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Plane-table positions

Stations	Latitude D.M.	Longitude D.F.		
Exeter Old Hall	4N 58	1008	70 56	1149
Chas. B. Snow Factory	4N 58	974		197
Exeter Old Hall	4N 59	1075	70 57	990
Exeter Old Hall	4N 59	857		368
Exeter Old Hall	4N 59	581	70 56	773
Exeter Old Hall	4N 59	890	70 58	967
Exeter Old Hall	43 00	192	70 56	1021
Exeter Old Hall	43 00	819		378
Exeter Old Hall	43 00	1100	70 56	947
Exeter Old Hall	43 00	738		400
Exeter Old Hall	43 00	1429	70 56	964
Exeter Old Hall	43 00	408		382
Exeter Old Hall	43 01	504	70 58	192
Exeter Old Hall	43 01	585	70 56	726
Exeter Old Hall	43 01	78	70 58	272
Exeter Old Hall	43 01	769	70 58	335
Exeter Old Hall	43 03	199	70 54	946
Exeter Old Hall	43 03	199	70 58	196