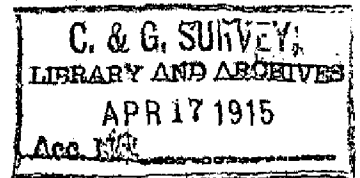




3491



3491

Department of Commerce and Labor  
COAST AND GEODETIC SURVEY

*C. Lester Jones*  
Superintendent.

State: *N. J.*

DESCRIPTIVE REPORT.

*Top.* Sheet No. *3491*

LOCALITY:

*Hackensack*  
*River*

1914-15

CHIEF OF PARTY:

*A. T. Tenny*

11-4645

Department of Commerce

C and G Survey

O H Tittmann Superintendent

Descriptive Report to Accompany . .

Topographic Sheet ~~X~~ 3491.

Re-survey of the Hackensack River New Jersey

from

Reed Triangulation Stations

to

Board Triangulation Station

*Stephen Hovey*

Chief of Party

1915

Scale 1/5000

X

Sheet G

Department of Commerce

(a) General Description

Within the limits of this sheet the shores on the eastern and western sides of the Hackensack River are meadows or marsh land interspersed with numerous creeks.

New Canal was cut into Berry's Creek on the west side of the river was excavated by the Erie Rail Road. The canal shortens the distance to Rutherford and is the only route to this town with 12 feet at mean low water to Rutherford and is navigable for motor boats to Carlstadt New Jersey.

Mill Creek on the east side of the river is 40 metres wide at it's mouth and is  $7/8$  of a mile above the White Line Bridge and runs to New Durham and Home Stead New Jersey at the mouth of this creek is an old sight of an old mill, the old mill stones are still there bare at low water and practically obstruct the entrance.

Paumpeck Creek is on the east side of the river 350 metres above the mouth of Mill Creek and 50 metres wide at it's mouth and is navigable for motor boats to the rail road tracks at New Durham.

Bellmans Creek enters the Hackensack on the east side of the river  $\frac{1}{4}$  mile along the river from mouth of Paumpeck Creek, is 50 metres wide at it's mouth is navigable for motor boats to the rail road at Fairview New Jersey, from it's mouth to Babbitts Soap Factory it is dredged to 10 feet at mean low water.

Secaucus is a small village on the eastern shore of the river.

(i) Method of survey

The Topography was executed with the Plane Table based on a system of tertiary triangulation brought over from the triangulation on the

X

Passaic River, at Little Ferry Bridge the triangulation was connected with a base line measured on the bridge by the Army Engineers with the following results. Length of base measured by the Army Engineers 619.465 feet, length of computed base C & G Survey triangulation 619.631 feet. The heights were obtained by vertical angles measured with the vertical arc on the Plane Table Alidade and are referred to mean high water. The heights are expressed in feet and shows the elevations above mean high water. The contours are given for every 20 feet difference of level, the full red lines indicate the 20 foot curves the broken red lines show intermediate 10 foot curves.

*Wetman Horney*  
*Chief of Party.*  
*C. & G. S.*

*See letter of Mr. H. H. Griffin dated Oct 22/16  
attached to Descriptive Report of Top Sheet #3490.*

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