

down easily. Where there was considerable clay—which was generally near the banks of the Walkill and the Pochunk, and especially near streams running into these channels—the ground was very firm, the rod running down with difficulty. The nature of the surface material in Sussex County, and also of that portion of the land in Orange County that produces only wild grass, is similar to that in Orange County that is under cultivation, and that produces as fine crops as are to be seen anywhere in the country. There is this difference, however: the surface material in Sussex County, above Bessett's bridge, is not so deep as it is lower down in Orange County. The number of acres of Drowned Lands in Orange County, (by Murray's Map), 15,579; the number of acres in Sussex, 10,000; total number of acres of the Drowned Lands in Orange County and in Sussex, on the Walkill River, and the Pochunk and Wawayanda Creek, 25,579.

As the amount of cutting in the canal will be far less than in the old channel, it will be economy to carry the water down the canal, where it is running at present. If one of the mills below Hampton could be saved, it would be very desirable to carry the water down the old channel. But as the grade runs  $3\frac{1}{2}$  feet *beneath* the bed of the river at the lower dam, there will be no possibility of saving a mill. It seems, therefore, that there can be no object in carrying the water down the old channel, when it can be taken down the canal with *far less expense*.

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#### AGRICULTURE AND POPULATION.

The United States census of 1870, though only partially published as yet, gives some information of much interest to Jerseymen. The population of the United States and of the State of New-Jersey is given in the following table, for every ten years, beginning with 1790. The table also shows the percentage of increase for each ten years: