

creeks the water never rose higher than within 20 feet of the surface. One of the latter was then sunk to a depth of 360 feet, but no other water horizons were encountered. This deep well was situated about midway between the deep wells at the waterworks and those at the Fish Hatchery in which flows were obtained at from 208 to 245 feet. Mr. Branning also drilled a well to a depth of 200 feet at his house on Main Street in Edenton, but failed to penetrate water-bearing beds.

In 1903, two wells 212 and 214 feet deep, respectively, and situated about 180 feet apart, were drilled for the town near the shore of the bay. (See table.) At a depth of about 200 feet a soft shell conglomerate was encountered from beneath which water issued which flowed at the surface, the combined flow of the two wells being about 20 gallons per minute. Nonflowing horizons were encountered at depths of 20, 40, and 60 feet respectively. The following year, 1904, the present water supply system was installed. The 40-foot horizon was tested with a pump having a capacity of 150 gallons per minute. It failed to supply sufficient water. The lowest horizon from which the flows were obtained was then tested and was found to furnish a combined maximum yield from the two wells of 500 gallons per minute, which was sufficient to meet the demand. The water is pumped from the wells to a nearby tank built upon a steel frame tower, which has a capacity of 65,000 gallons and which when full furnishes a pressure of 35 to 40 pounds

CHOWAN

Number.	Location.	Owner.	Date completed.	Elevation of surface above datum—feet.	Datum.	Depth—feet.	Diameter—inches.	Depth to principal water supply—feet.	Height of water, ± surface—feet.
1	Edenton.....	Town.....	1903	5	sea level.	212	8	212	+1
2	do.....	do.....	1903	5	sea level.	214	8	214	+1
3	do.....	N. J. Hollowell.....	1895	5	sea level.	40	1½	40	+ ½
4	do.....	Edenton Ice and Cold Storage Co.	-----	-----	a little above sea level.	53	3	53	—2
5	Edenton, 1 mile W. of.....	U. S. Bureau of Fisheries.....	about 1900.	5½	sea level.	245	2	-----	+0
6	do.....	do.....	about 1900.	4	sea level.	245	6	-----	+0
7	do.....	do.....	about 1900.	4½	sea level.	236	3	-----	+0
8	do.....	do.....	about 1900.	4½	sea level.	236	3	-----	+0
9	do.....	do.....	about 1900.	4½	sea level.	208	3	-----	+0