

domestic purposes in the village, the population of which is about 450. A 240-foot well was drilled here, but as the water could not be obtained as freely as at the depths mentioned above, this deep well was abandoned. Several attempts have been made to secure an overflow at Pine-town, but in no well has the water risen higher than within 10 feet of the surface.

At Belhaven, in addition to the wells listed, there are several others having a depth of about 100 feet.

Assays and analyses of waters from this county are given elsewhere in this report, as follows: Table 1, pp. 492, 493, assays Nos. 1-9; Table 2, analyses Nos. 1-5. These are discussed on pp. 484, 485.

*Artesian Prospects.*—The sand strata of the Pliocene and Miocene deposits which underlie the greater part of the county, and the porous shell limestones of Eocene age which underlie the western part of the county, carry abundant supplies of water. Owing to the presence of a large amount of lime in these beds the water is apt, in nearly all cases, to be hard. Deeper drilling to depths of 400 or 500 feet would probably encounter horizons yielding salty waters. Flowing wells are possible on the lowlands bordering Pamlico River and its tributary streams at elevations which as a rule will not exceed 10 feet above sea level.

COUNTY.

| Yield per Minute. |                   | How<br>obtained at<br>surface.                         | Use.                  | Geologic horizon<br>and character of<br>water-beds.                          | Remarks.                                                                                                                  |
|-------------------|-------------------|--------------------------------------------------------|-----------------------|------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------|
| Flow—<br>gallons. | Pump—<br>gallons. |                                                        |                       |                                                                              |                                                                                                                           |
| -----             | 100+              | Gould Triplex Pump<br>8½ x 12; 34 h. p. gas<br>engine. | city water<br>supply. | Trent formation; porous<br>limestone or ls. alternating<br>with sand layers. | Other horizons at 10, 40-60 ft.                                                                                           |
| -----             | 100+              |                                                        | city water<br>supply. | Trent formation; porous<br>limestone or ls. alternating<br>with sand layers. | Other horizons at 10, 40-60 ft.                                                                                           |
| -----             | 100+              |                                                        | city water<br>supply. | Trent formation; porous<br>limestone or ls. alternating<br>with sand layers. | Other horizons at 10, 40-60 ft.                                                                                           |
| -----             | 100+              |                                                        | city water<br>supply. | Trent formation; porous<br>limestone or ls. alternating<br>with sand layers. | Other horizons at 10, 40-60 ft.                                                                                           |
| -----             | 30                | -----                                                  | boiler.               | Trent formation; porous<br>limestone or ls. alternating<br>with sand layers. | Located 250 ft. from nearest water-<br>works well and taps same horizon.<br>See analysis No. 4, table 2, pp.<br>504, 505. |
| 3+                | -----             | flows.                                                 | -----                 | Trent formation; porous<br>limestone or ls. alternating<br>with sand layers. | See water assay No. 8, table 1,<br>pp. 492, 493.                                                                          |
| ½                 | -----             | flows.                                                 | -----                 | Trent formation; porous<br>limestone or ls. alternating<br>with sand layers. | See water assay No. 7, table 1, pp.<br>492, 493.                                                                          |
| -----             | -----             | -----                                                  | -----                 | Trent formation; coarse<br>white gravel.                                     | -----                                                                                                                     |
| -----             | -----             | -----                                                  | -----                 | Trent formation.                                                             | -----                                                                                                                     |
| -----             | -----             | -----                                                  | -----                 | Trent formation.                                                             | -----                                                                                                                     |
| -----             | -----             | pitcher pump                                           | domestic.             | Trent formation; sand.                                                       | -----                                                                                                                     |
| -----             | -----             | -----                                                  | -----                 | Trent formation? sand.                                                       | -----                                                                                                                     |