

cate soft waters. Assays 29 and 33 show waters high in carbonates, while assays 34 and 35 are tests of waters that carry carbonates in moderate amounts. All of the Carteret County waters that were tested have considerable color, are low in chlorides, and carry little or no sulphates.

CHOWAN COUNTY.

Analysis 24, Table 2, is a test of the city water at Edenton and indicates a sodic calcic alkaline water. Assay 36, Table 1, shows a water of low temporary and permanent hardness.

COLUMBUS COUNTY.

Analysis 25, Table 2, shows a very soft calcic sodic alkaline water. Assays 42, 44, and 46 are tests of waters from shallow wells. Of these assays the first two denote very soft waters, but the last indicates a moderate amount of carbonates. Assays 37, 39, and 41 are tests of waters which rise in the wells but are not under sufficient hydrostatic pressure to overflow. These waters differ considerably in character. Assay 37 indicates a water moderately high in carbonates; assay 39, one very high in carbonates and high in chlorides, and assay 41, a soft water. Assays 38, 40, 43, 45, 47, 48, 49, 50, and 51 are tests of the waters of flowing wells. Of these assays, 43, 45, 47, 48, and 50 show waters low in chlorides and moderately high in carbonates; assay 49 indicates a water high in carbonates and low in chlorides; assay 40, a water high in chlorides and low in carbonates; and assay 38, a very soft water, low in both carbonates and chlorides. None of these Columbus County waters carry more than a trace of sulphates, but all of them contain a little iron.

CRAVEN COUNTY.

Analysis 26, Table 2, shows a calcic sodic alkaline saline water. Assay 58, Table 1, indicates a very soft water that is high in chlorides. Assays 53 and 60 are tests of waters carrying carbonates in moderate amounts, while assays 54 and 59 are those of waters high in carbonates. The other assays indicate waters low in carbonates. All of the assays of the Craven County water, except 58, show low chlorides, and none of them indicate more than a trace of sulphates. Many of the waters have a noticeable amount of color.

CUMBERLAND COUNTY.

No mineral analyses of Cumberland County waters are presented. Assay 65 shows a water very low in carbonates, high in sulphates, and with a considerable amount of chlorides. Assay 72 indicates a water