

crosses the Choctawhatchee National Forest not far north of the Tallahassee base line. The Sunderland formation probably lies at the surface over most of the quadrangle south of that line, though it may be cut through by some of the valleys.

Polk County—The log of the West Frostproof Land & Oil Company's well in the SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 4, T. 32 S., R. 27 E., shows white sand extending to a depth of 65 feet. All the sand is fine except a sample representing a depth of 30 to 40 feet, which is coarse, and another from 60 to 65, which is also coarse and contains pebbles. This white sand rests on the Bone Valley formation (Pliocene). Part of it may represent the Sunderland, the remainder the Coharie and Brandywine formations. The source of this considerable thickness of sand so far from the mainland was probably an island in the vicinity of Lake Wales, not many miles distant.

Santa Rosa County—U.S. Highway 90 on both sides of Harold follows a flat divide ranging around 140 to 170 feet above sea level. Part of the Harold quadrangle south of Yellow River also lies within the limits of the Sunderland terrace. The surface throughout this region is covered with drab sand.

Walton County—There are many flat-topped divides between the limiting altitudes (170-100 feet) of the Sunderland terrace in the southern parts of the Niceville and De Funiak Springs quadrangles. These are probably underlain by sand of the Sunderland formation.

WICOMICO FORMATION

GENERAL FEATURES

Name—The name "Wicomico formation" was first used by Shattuck (1901, pp. 73-75), who took it from Wicomico River in St. Marys and Charles Counties, Maryland. He included in it deposits lying between 40 or 50 feet above sea level and 90 feet. Cooke (1931, p. 508) restricted the Wicomico terrace (and, by implication, the Wicomico formation) by eliminating from it the Penholoway terrace (shore line 70 feet above sea level) and defined the Wicomico by referring it to a shore line at 100 feet. Matson (1913, p. 32) applied the name "Newberry" to the Wicomico in Florida. He recognized it as marine, specified its limiting altitudes