

this point is improbable, although it is possible that a feather edge of the Patuxent formation is present this far inland.

The bed of the river at Weldon exposes crystalline rocks. The rapids a short distance below the bridge may be regarded as the "fall line," although the crystallines appear at one or two places along the river banks between Weldon and Halifax landing, and at the latter

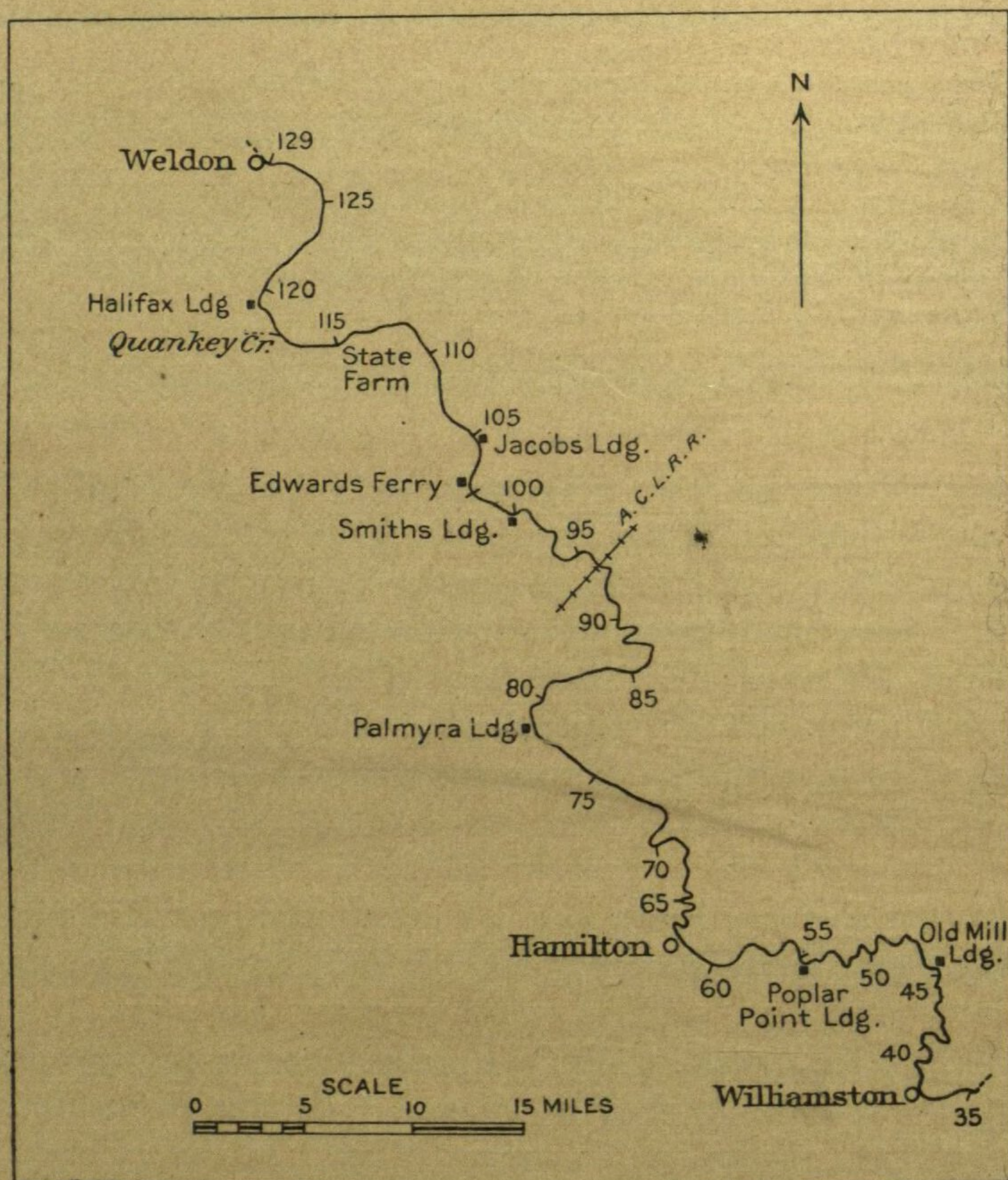


FIG. 8.—Sketch map of part of Roanoke River, N. C.

place a decayed granite rock cut by basic and acidic dikes is exposed to a height of 20 or 25 feet above low-water level. In the ravines south and southwest of Halifax along Quankey Creek there are good exposures of Miocene strata resting upon a decayed granite rock, and at a number of places Miocene shell marl occupies the base of the sections in direct contact with the granite. There seems to be an entire absence of Patuxent beds in the immediate vicinity of Halifax.