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ABSTRACT-- Two types of hoop nets were evaluated by examining differences in composition of the catch and catch rates of fishes in the Laramie River, Wyoming. One type having the first hoop with a "D" shape was expected to be more efficient in small streams than conventional hoop nets with all round hoops. Our findings did not support this expectation. Round nets yielded higher catch rates when significant differences in catch per unit effort were observed for individual species and all species combined. Variability in catch rates was extensive with both types of nets, but both nets yielded similar between-year trends for individual species.

Key words: Fish, fish nets, catch rates, Laramie River, Wyoming.