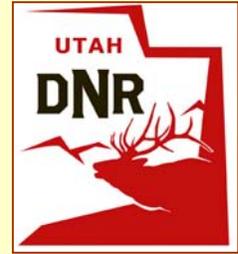


Logan River

Summary of electrofishing surveys



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The Logan River watershed originates in southeastern Idaho and then flows southwest into the state of Utah. The reach that extends from Third Dam upstream to the Idaho Stateline is designated as a Blue Ribbon Fishery. In-stream fish habitat varies markedly along the altitudinal gradient of that reach, and the fish community and population structure reflects those differences. This report summarizes the results of fisheries assessments that have been conducted by Utah State University on behalf of the Utah Division of Wildlife Resources. Standardized electrofishing surveys have been conducted at six locations throughout this section of the Logan River since 2001. Mountain whitefish contribute to the creel, but the following figures describe the population size of Bonneville cutthroat trout and brown trout, the two most popular sport fish species in this reach of the Logan River.

Bonneville cutthroat trout and brown trout occur in sympatry throughout most of this reach of the Logan River. There is an altitudinal transition zone near Twin Bridges where species zonation is evident. In general, brown trout are more abundant than cutthroat trout in the lower elevation reaches of the river, and cutthroat trout are more abundant than brown trout in the higher elevation reaches of the river (Figure 1). Brown trout abundance ranged from 0 to 2282 fish per mile, and cutthroat trout abundance ranged from 0 to 2124 fish per mile. Since 2001 brown trout abundance has varied, but has remained stable overall. Cutthroat trout abundance has also varied since 2001, but numbers appear to be in slight decline overall.

The Logan River is a popular sport fishery in Utah, and the brown trout and cutthroat trout populations in the fishery continue to provide anglers with excellent opportunities to catch two of Utah's most sought after species.

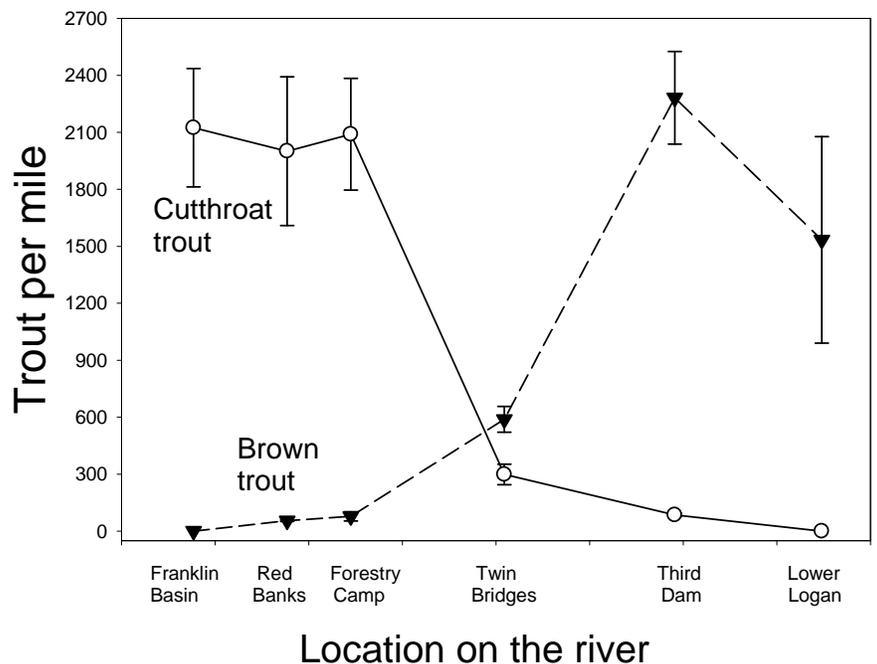


Figure 1. Brown trout and Bonneville cutthroat trout population estimates at six locations in the Logan River during 2009. Error bars represent 1 standard error around the abundance estimate.