

Stock assessment of the rainbow trout in the Tazimina River, 2004

Abstract: Rainbow trout *Oncorhynchus mykiss* research was conducted during spring and fall, 2004 on the Tazimina River in response to reports by user groups of decreased abundance and reduced fish size. The spring research was conducted from 22 April to 28 May, 2004 and consisted of a mark-recapture study to estimate abundance, and collection of size and sexual maturity information. An estimated 950 (SE=213) rainbow trout were present in the river and 16% of the fish were sexually mature (SE=2.3%). The length distribution of sampled fish ranged from 161 to 612 mm FL with a mean length of 307 mm (SE=4.10). Fall research was conducted from 19 to 27 August, 2004. CPUE and length distribution were estimated for comparison with past research conducted during the same time frame. A total of 414 rainbow trout were captured with a CPUE of 3.23 rainbow trout per hour. Length distribution ranged from 82 to 518 mm with a mean of 285 mm (SE=4.15). CPUE for the 2004 study was higher than past studies; however, the proportion of large fish over 500 mm FL was lower.

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