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Article

Sources and Magnitude of Sampling Error in Redd Counts for Bull Trout

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Abstra

Monitori he validity of this m ull trout Salvelinu relations r variability in redd d spatial varia and redd counts w data probably d counts varied si ounts ranged b rs. Counting errors in en counting errors ar ed limited insights into potential causes of sampling error. Finally, we found significant spatial and

temporal variability in spawning activity, which should be considered in establishing index areas for redd counts and the timing of counts. Our results suggest substantial improvements are needed to make redd counts and unbiased estimates of adult escapement more useful for population monitoring.