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Investigating the Spatial Distribution of the Stream Sediment Dwelling Worm

Abstract

The objective of this research is to determine the landscape features that contribute to the spatial distribution pattern of *T. tubifex* in the Madison River, Montana, and Yellowstone National Park (YNP), Wyoming, USA. Habitat assessment will use landscape features determined using GIS at 16 sites on the Madison River and 16 in YNP. The mitochondrial cytochrome oxidase I (COI) gene will be sequenced. GIS will be used to compile habitat information to determine whether there are correlations between habitat characteristics and genotype of *T. tubifex* in the study areas.