

## The Silver Creek Watershed; Lessons Learned from Four Years of Data Collection and Analysis

Speaker: Tim Maguire, Ecosystem Sciences

Thursday, February 12, 2015 11:30 -1 pm (talk will start at 11:45)

Location: Washington Group Plaza Executive Dining Room (Turn left at the front desk and right at the cafeteria).

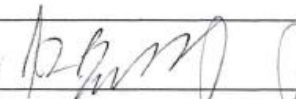

720 Park Blvd  
Boise, ID 83712

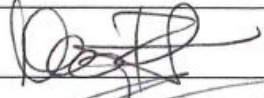



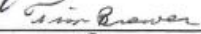


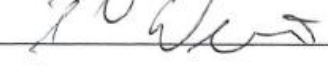
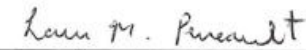
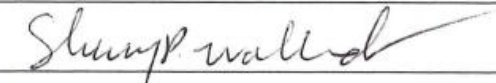



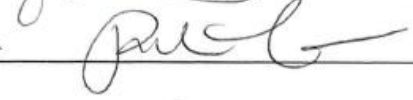
Cost: Free

IDAWRA thanks the Idaho Fish and Game for providing the venue.

The Silver Creek Watershed, located in south-central Idaho, is a unique spring driven system that is known for its clean, cold water and abundant trout population. Silver Creek and its tributaries are a renowned fly fishing destination for anglers from all over the world. In recent years, anglers, recreationists and landowners have noticed trends within the watershed that threaten Silver Creek's ecological integrity and its status as a world class fishery because of high stream temperatures, excessive sediment loads, and low dissolved oxygen (DO) levels.

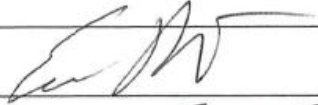


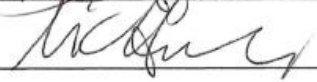
In 2010, Ecosystem Sciences Foundation partnered with a coalition of landowners, anglers, and The Nature Conservancy to initiate a watershed-wide monitoring program designed to assess the threats to Silver Creek and its tributaries. Several monitoring programs (flow, stream temperature, land cover, sediment and DO) were initiated to quantify the health of the Silver Creek Watershed and identify potential trouble areas. The results of the initial year of monitoring (2010) served as a baseline and guided future work and allowed managers, scientists and the general public to begin to examine the differences between Silver Creek and its tributaries. Subsequent monitoring years have seen the program expand in scope and data collection. In the four years of work our knowledge of the watershed's characteristics and its effect on trout habitat and populations has grown. This talk will summarize the methodologies and results of the four years of data collection, focusing on lessons learned and how they drive future efforts.

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