

Hello residents of the McCarthy Creek watershed!

Below are the results of the water quality samples collected by David Farmer (PSU Student) in McCarthy Creek during the winter of 2016/2017. PSU partnered with West Multnomah Soil & Water Conservation District to collect data on sediment in the creek. WMSWCD considers McCarthy Creek a priority stream due to its value to people, fish and wildlife that use it. The District strives to understand stream conditions and the cause of any negative impacts.

- Total Suspended Solids (TSS) concentrations are high enough to hurt fish whenever it rains, but are low enough to support fish when it isn't.
- The sampling locations on the main part takes longer to become harmful versus the tributaries.
- TSS starts high, decreases, then rises again from the top to bottom of the creek, but there aren't any statistical differences between the areas sampled.

These results are important to our ongoing efforts in the District's Forestry and Healthy Streams programs, and will inform our restoration projects into the future.

PSU Contact: David Farmer at [dfarm2@pdx.edu](mailto:dfarm2@pdx.edu)  
WMSWCD Contact: Scott Gall at [scott@wmswcd.org](mailto:scott@wmswcd.org)  
Phone: 503-238-4775, ext. 105

A special thanks to everyone who allowed David to collect water samples on their property!

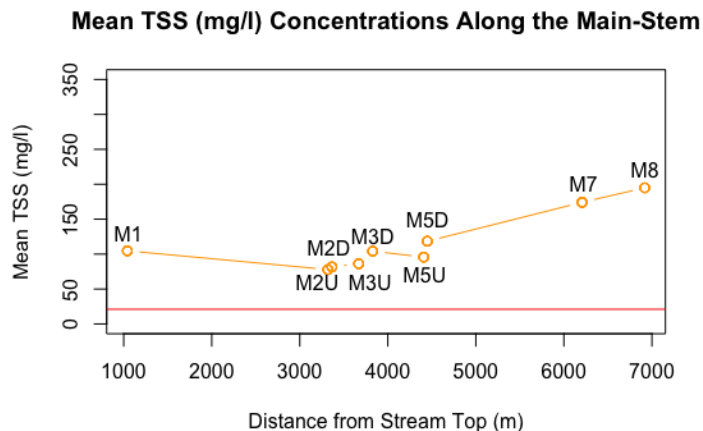


Fig 1: TSS (mg/l) mean concentrations along the McCarthy Creek main-stem during rain storms. The red line represents the 20 mg/l benchmark established by Portland BES for similar streams.

**Mean TSS (mg/l) Concentrations of Tributaries**

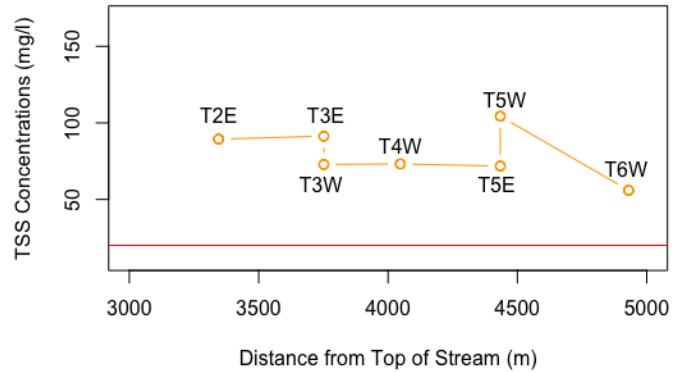


Fig 2: TSS (mg/l) mean concentrations along the McCarthy Creek Tributaries during rain storms. The red line represents the 20 mg/l benchmark established by Portland BES for similar streams.

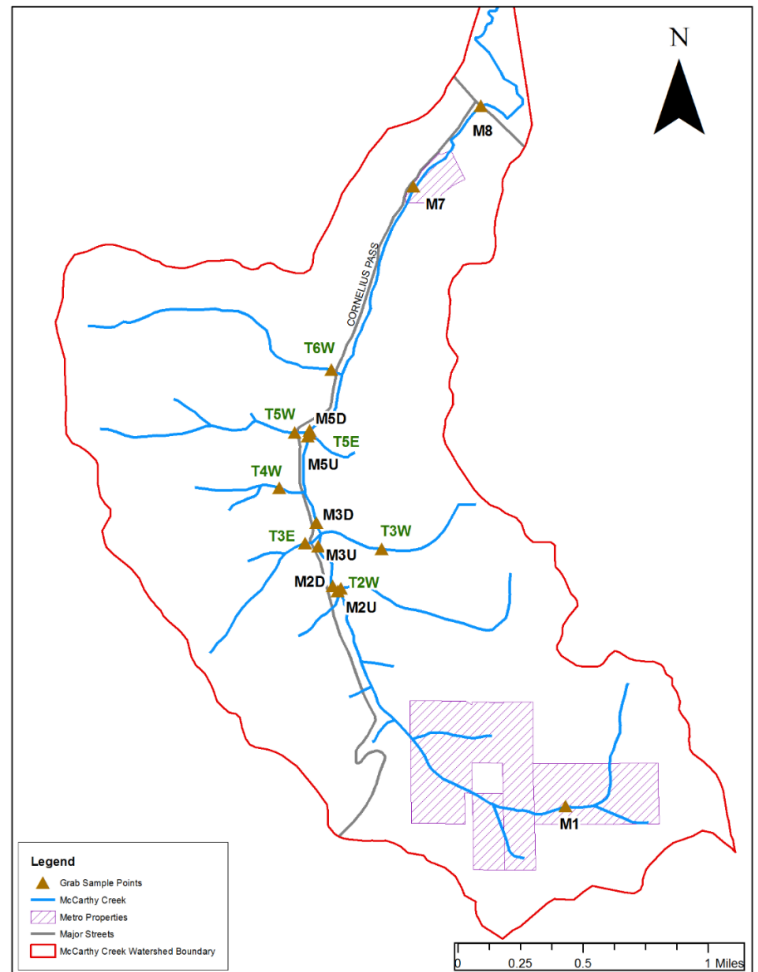


Fig 3: Sampling Locations along McCarthy Creek.