Stormwater Action Monitoring Newsletter - #12 August 2021

Collectively improving stormwater management

SAM Communications: recently completed maps, fact sheets, and more

The small streams study webpages have updated online maps that include several years of sampling sites. Check out the Puget Small Streams (PSS webpage) and the Lower Columbia Urban Streams (LCUS webpage) to locate the sites near you.

We keep project webpages up to date with approved project deliverables for active projects, and once completed we move them to the completed project page. Recently completed SAM projects and the published SAM fact sheets are now available.

- **SAM Fact Sheet #023: Oyster shell retrofits in Catch Basins**

  This study evaluated the effectiveness of adding crushed oyster shells in bags to existing catch basins to treat metals in stormwater. The project details can be found in the completed studies on the SAM Effectiveness studies website along with the new SAM Fact Sheet #24 Oyster shell retrofits in catch basins for dissolved metals treatment.

- **SAM Fact Sheet #022: Spill Hotline Feasibility**

  This study evaluated the options for stormwater managers to improve spill reporting and inter-jurisdictional cooperation opportunities through regional-scale implementation of a new hotline system. Recommendations and considerations for Ecology and individual jurisdictions are given. Project details can be found in the completed studies on SAM Source ID website along with the SAM Fact Sheet #022 Regional Spill Hotline Feasibility Study.

Also don't forget to read our annual administrative reports on SAM implementation, produced each spring, see SAM 2020 Report.

SAM's new Effectiveness and Source ID studies

Two new projects from the Round 3 Solicitation are underway and you can follow their progress on their dedicated project webpages.

- Mobile Business Source Control - mobile businesses have unique challenges related to stormwater and pollution prevention that will be better understood by a focused study. New tools and guidance to support municipal stormwater permittees in identifying and inspecting mobile businesses will be developed.
- Improving ditches and maintenance - This project will evaluate maintenance and retrofit techniques of roadside ditches, such as reshaping and planting plans, to reduce long-term costs and optimally improve stormwater quality.

Contract scopes of work are being created for two more projects to get started in late 2021; Stormwater BMP Maintenance Conditions Evaluation (FP7) and Effects of Particle Size Distribution on Stormwater Characterization and BMP Effectiveness (FP 1).

Ecology's new bioretention soil media guidance for treating phosphorus

In May 2021 Ecology published, Guidance on using new high performance bioretention soil mixes, giving stormwater managers and designers a new option to treat phosphorus using bioretention, a very common green infrastructure tool. This guidance is based on SAM studies as well as other grant funded studies.

Stormwater Action Monitoring (SAM) is a collaborative, regional stormwater monitoring program that is funded by more than 90 Western Washington cities and counties, the ports of Seattle and Tacoma, and the Washington State Department of Transportation. www.ecology.wa.gov/SAM