

Good morning Municipal Stormwater Permittees, by Laurie Larson

This bi-weekly Municipal Stormwater Bulletin contains information to be shared, including a request for information from permittees, updates on workshops/training, and news. There is a lot of useful information and attachments. Please share with others who could use the information.

NEWS

October 12 Stormwater Talk Topic: Will you please make up my mind? The art of decision making for scientists. Presenter: Eric Autry, City of Seattle Public Works, Emergency Management. In this training we will be discussing the multitude of factors that go into a making a field decision. (Regulatory requirements, SOPs, heuristics, political climate, media, workplace expectations, community expectations, employee trust, available resources, insecurity...). What happens when decisions are only a top-down approach. The failures associated with delayed decisions. The work improvements associated with empowering employees with making decisions. While this training isn't specifically NPDES related the instructor formed his views while working as the lead of Seattle Public Utilities, Spill Response Program. Team attendance information: https://teams.microsoft.com/l/meetup-join/19%3ameeting_ZmEwNGZmNjYtNGU4OC00NDE5LWFIMDYtNzRhMDBhM2FjYzhk%40thread.v2/0?context=%7b%22Tid%22%3a%22b52be471-f7f1-47b4-a879-0c799bb53db5%22%2c%22Oid%22%3a%224794e0fc-9b19-4064-967f-e7a97f709c2e%22%7d
Meeting ID: 287 784 290 748 Passcode: dK83kF

New Publication: Rural Property Surface Water Management Whitepaper by Anand Jayakaran

The white paper is attached or can be viewed here -

<https://ruralstormwater.wsu.edu/documents/2022/02/rural-stormwater-white-paper.pdf/>.

The website with all the information from the project is here <https://ruralstormwater.wsu.edu/>



Adopt-A-Drain Program by WSU “Public help sought in keeping pollutants out of waterways” View the article about the successful program here

<https://news.cahnrs.wsu.edu/article/public-help-sought-in-keeping-pollutants-out-of-waterways/>

Call for Abstracts for ASCE Low Impact Development Conference August 6-9, 2023 at the Oklahoma City convention Center.

There's still time to submit your abstract to the 2023 Low Impact Development Conference! EWRI is extending the abstract submission **deadline to Wednesday, October 12, 2022*** giving YOU one more week to submit your abstract! The conference website is: www.lidconference.org Submit your abstract: <https://www.lidconference.org/program/call-abstracts>. If you have any conference related questions, please contact Mark Gable mgable@asce.org

Municipal Funding Opportunities: The Shellfish and Stormwater Strategic Initiative Leads (SILs) are excited to announce two new funding opportunities for programs, activities, and lines of work that advance Puget Sound recovery and protection!

These initial funding opportunities for FFY2021 and 2022 EPA Puget Sound Geographic funds will be solicited through two competitive Request for Proposals (RFPs), see below:

Shellfish SIL RFP <https://pugetsoundestuary.wa.gov/shellfish-sil-rfp/> to reduce fecal pollution to increase harvestable shellfish acreage in Puget Sound:

- This Shellfish RFP Solicitation will be open for 8 weeks, applications are due November 22, 2022, by 11:59pm PST.
- Shellfish has up to \$5.5 million to award.
- Investment Priorities include Pollution Identification and Correction (PIC), Onsite Sewage System (OSS) Management, and livestock manure management related work.

Stormwater SIL RFP <https://pugetsoundestuary.wa.gov/stormwater-sil-rfp/> for public road retrofit planning by local jurisdictions around Puget Sound:

- This Stormwater RFP Solicitation will be open for 6 weeks, applications are due November 9, 2022, by 11:59pm PST.
- Stormwater has up to \$2 million to award.
- Investment Priority is public road retrofits planning by Local Jurisdictions.

Eligible applicants include applicants include Native American Tribes; state, and local agencies; nonprofit organizations; private academic institutions; and public universities and colleges.

Save the dates for an overview of the FFY 2021-2022 funding opportunities, RFP investment priorities, and how to develop and submit a competitive application.

- Shellfish SIL Application Webinar <https://us02web.zoom.us/j/87876454070#success> October 13th, 2022, from 10:00 to 11:30am.
- Stormwater SIL Application Webinar <https://wsu.zoom.us/j/93063104025#success> October 18, 2022, from 10:00 to 11:00am.

NEWS STATE, NATIONAL & LEGISLATIVE UPDATE

About the Water Finance Center

EPA's Water Infrastructure and Resiliency Finance Center is an information and assistance center, identifying water infrastructure financing approaches that help communities reach their public health and environmental goals. <https://www.epa.gov/waterfinancecenter>

Recently completed SAM Projects:

- SAM Fact Sheet #25: The Effects of Mulch on Stormwater Treatment and Maintenance Effort in Bioretention Systems This study evaluated the role of mulch in bioretention performance, weeding, and plant survival. Mulches, all three types, preserve bioretention soil moisture and aid plant survival in the summer, help cut weeding time by half and limit nitrogen export from soil. Arborist chips and nugget mulches help retain the most water in bioretention cells. Find the final report and more details on the SAM Effectiveness studies website. View factsheet here https://www.ezview.wa.gov/Portals/_1962/Documents/SAM/FS25-MulchesforBioretention.pdf?utm_medium=email&utm_source=govdelivery
Tree Research- Using trees to manage stormwater study https://www.ezview.wa.gov/Portals/_1962/Documents/SAM/Del_7.2_SAMTreeProject_Final%20Report_revised.pdf
- SAM Fact Sheet #26: Measuring Individual Tree Water-use in Mature Native Species in the Pacific Northwest to determine their Benefits for stormwater. This study gathered high-quality water budgets on individual mature native trees in Washington State. Stormwater designs may be able to

reduce the size of Flow Control BMPs if they retain mature trees and apply 'tree credits' per SWMM BMP T5.16/F6.62. Retaining mature trees is an LID strategy that may be underutilized. Evergreen and deciduous trees captured or slowed stormwater by intercepting and transpiring 44-65% of rainfall. Find the report on this completed project and the active project, same tree species just much younger, on the Water budget of individual local tree project SAM website. View factsheet here

https://www.ezview.wa.gov/Portals/_1962/Documents/SAM/FS26-MatureTreesMitigateSW.pdf?utm_medium=email&utm_source=govdelivery

New Trash Capture Testing Standard Finalized by ASTM Committee - NMSA was instrumental in the establishment of the first ASTM committee focused entirely on stormwater infrastructure. This committee - E64 Committee on Stormwater Control Measures - released its first standard in July, 2022. This standard, E3332 <https://www.astm.org/e3332-22.html>, outlines a methodology for testing the performance of trash capture technologies in stormwater flows. More information is provided in this press release <https://www.stormh2o.com/stormwater-management/press-release/21273850/new-astm-standard-outlines-test-methods-for-trash-capture-devices> announcing the completion of this standard.

PEER TO PEER PERMITTEE REQUEST FOR INFORMATION If you have any information to share for the permittee's requests below, please reach out!

The City of Fife is interested in examples of letters jurisdictions send to industrial/commercial businesses asking them to conduct maintenance on their private stormwater systems. Please share examples of letter your jurisdiction may send to Brian Alvin at balvis@cityoffife.org



MuniCon 2023 CALL FOR ABSTRACTS We invite municipal stormwater permittees and stormwater-related professionals to submit abstracts for presentations. (see attached document). Submittal deadline Nov. 30, 2022. **Also attached is the** Sponsorship/exhibitor information.

Stormwater Partners Symposium | 2:00-5:00 PM | November 16 at the Lacamas Lake Lodge

Does your organization have an interesting project that you've recently completed, are currently working on or will launch soon? Let me know! **We are seeking additional topics for the report-out portion of the symposium and may be able to offer a ~15-minute slot during that time.** Contact: Eric Lambert Eric.Lambert@clark.wa.gov

REGIONAL PERMIT COORDINATOR MEETINGS: For information on Regional Stormwater Coordinator Groups visit: <https://www.wastormwatercenter.org/permit-assistance/municipal/877-2/>

APWA

Nov. 18, 2022, 9:00am-12:00pm

Central NPDES Permit Coordinators Forum

Oct. 20, 2022, 1:00-3:30pm

ROAD Map (Regional Operations and Maintenance Program)

Oct. 13, 2022, 1:00-3:30pm

South Sound Phase II Coordinator's Group

Oct. 13, 2022, 9:00-11:00am

Business Inspection Group (BIG)

Canceled the Oct. 18, 2022, 1:30-3:30pm To allow members to focus on the Source Control Training sessions scheduled in October.

STORM

- Save the Date! Annual Symposium

The Symposium will be held virtually again in 2022. Please mark Wednesday, November 9, from 9 am – 1 pm and Thursday, November 10, from 9 am – Noon

RESOURCES:

Puget Sound Conservation Districts Caucus Technical Report

The Puget Sound Urban Tree Canopy and Stormwater Management Project brought together urban forestry and stormwater professionals in a collaboration to investigate urban forestry and stormwater management modeling tools. The Technical Report and Handbook are products of this project. The Handbook is intended to support ongoing collaboration across these professional disciplines. While primarily framed and addressed to urban forestry and stormwater professionals, the Handbook is useful to all audiences and users. View the technical report and handbook here

<https://betterground.org/treesandstormwater/>

WSC Stormwater Talks the September presentation is now posted to the website for your viewing.

- **Students for Clean Water Video Contest creative stewardship, youth engagement & private partnerships by Eric Lambert is now posted on the webpage for your viewing here**
<https://www.wastormwatercenter.org/permit-assistance/municipal/stormwater-talks/>

The Habitat Strategic Initiative Lead (HSIL) Request for Proposals for Federal Fiscal Years (FFY) 2021-2022 is now available online! The request for proposals is open for 9 weeks. Applications are due on December 6, 2022. The HSIL is hosting an Applicant Webinar on October 17, 2022, from 1 -3 p.m. on Zoom.

- Connect to Zoom Meeting: <https://dnr-wa-gov.zoom.us/j/85713706985>
- Phone: 1-253-215-8782
- Meeting ID: 857 1370 6985

More information <https://pugetsoundestuary.wa.gov/habitat-strategic-initiative/>

Puget Sound Partnership Public Resource Box. The Puget Sound Partnership is providing a publicly accessible box of resources for the stormwater community. This box includes several items of interest such as:

- Toxics in Fish Implementation Strategy including all background science
- Benthic Index of Biotic Integrity Implementation Strategy
- Two Toxics Workshops - one focused on science, the second on engagement, DEI, politics, the industrial chemical supply chain
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- Small Communities Stormwater Management
- Land Use Workshop
- A recent cross-team Investment Plan that shores up \$22 million in RFP grants.
- Lead Organization Synthesis: How the Puget Sound work was funded before the Partnership assumed its current form

Explore the collection here: <https://pspwa.app.box.com/s/m4ww5rzli8fdl4u10dwb0p3rrfi05p20>

MRSC Article “Equitable Community Engagement in Comprehensive Plan updates by Rosie Cullen.

View article <https://mrsc.org/Home/Stay-Informed/MRSC-Insight/September-2022/Equitable-Community-Engagement-in-Comprehensive-Pl.aspx>

Matching funds are no longer required for nonpoint source pollution funding from Ecology!

Ecology announced they removed the match requirement for our 2024 Water Quality Combined funding Program – for Nonpoint source pollution funding. We are accepting applications for the 2024 funding cycle from **August 13 to October 12, 2022**. Visit our webpage to learn more about applying https://ecology.wa.gov/About-us/Payments-contracts-grants/Grants-loans/Find-a-grant-or-loan/Water-Quality-Combined-Funding-Program?utm_medium=email&utm_source=govdelivery#ApplicantInformation

WORKSHOP/TRAINING/CONFERENCE OPPORTUNITIES: *These dates are subject to change depending upon COVID-19 containment measures.

Space is still Open! Source Control Inspection Training No registration fee. *This project received funding from the Stormwater Action Monitoring Program.* Contact for the training sessions: Laurie Larson-Pugh Washington Stormwater Center laurie.larson-pugh@wsu.edu Registration is open to municipal staff or consultants who are implementing the source control inspection program.

Training agenda and materials are available on the website at the Source Control Inspection Program webpage: <https://www.wastormwatercenter.org/permit-assistance/municipal/source-control-inspection-program-guidance-manual/>

Source control inspection training registrations:

10/6/22 Hosted by the City of Bremerton register

<http://events.constantcontact.com/register/event?llr=odoawefab&oeidk=a07ejdnylqd8db6e764>

10/11/22 Hosted by the City of Centralia register

<http://events.constantcontact.com/register/event?llr=odoawefab&oeidk=a07ejdqb0z24fb89aba>

10/19/22 Hosted by Skagit County register

<http://events.constantcontact.com/register/event?llr=odoawefab&oeidk=a07ejdqb0z3115b66bd>

10/25/22 Hosted by the City of Federal Way **registration closed for this training**

WSU Water Programs Webinar Rural Stormwater Solutions: Introducing new educational tools you can use! WSU Extension and the Washington Stormwater Center invite you to a free 90- minute webinar introducing a suite of new educational materials to help manage stormwater and reduce polluted runoff in rural areas.

We will be premiering three short videos and sharing a robust suite of supporting resources on topics including:

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Stormwater in rural areas

Creating a site map of your property

Options for managing drainage

We'll be introducing a new website with videos, fact sheets, demonstration sites, and other resources. All designed to help you and your clients better manage stormwater in rural areas around Puget Sound.

Choose from one of the following dates:

- Wednesday, October 19. 1 p.m. – 2:30 p.m.
- Wednesday, October 26. 10:30 p.m. – noon
- Thursday, October 27. 1:00 p.m. – 2:30 p.m

Register here: <https://www.eventbrite.com/e/rural-stormwater-solutions-introducing-new-educational-tools-you-can-use-tickets-410756593027>

AGC Education Foundation Training: Fee based

WWHM 2012 Basic Workshop 11/15/2022

https://app.agcwa.com/external_registrations/new?course_id=8757

WWHM 2012 Advanced Workshop 11/15/2022

https://app.agcwa.com/external_registrations/new?course_id=8758

National Science Foundation Update: Past Climates Inform our Future University of Arizona

Oct. 11, 1-2 ET presenter Jessica Tierney Register at:

https://nsf.zoomgov.com/webinar/register/WN_YQv8gTRBTe6zw_834Te-hA?utm_medium=email&utm_source=govdelivery

Infrastructure Assistance Coordinating Council (IACC) 2022 Conference Build Back Together

Oct. 18-19, Wenatchee convention Center More information at:

<https://www.infracore.com/conference.html>

Pacific Northwest Pollution Prevention Resource Center P2 West: EPA Region 9&10 Pollution Prevention Roundtable Oct. 18-20, Portland OR More information: Fee based.

<https://www.pprc.org/events/pollution-prevention-roundtable>

Oregon-Washington Water year 2022 Oct. 25-26 9 am- 12:30 pm

We encourage participation from a wide range of sectors including utilities, agriculture, and forestry.

There is no cost to attend but you are required to register. More information at:

<https://washington.zoom.us/meeting/register/tJcrcO-vqT8oHt0JZ1JCO7juxCIBZGDMxKDp>

National Stormwater Center: Offers stormwater training. See: <https://npdes.com/>

CWT Training Academy provides live and virtual trainings, including CESCL, and into other areas of environmental and safety topics. View training and group packages (fee based) at

<https://www.cwtacademy.com/pages/new-home> or contact Jennifer Lee at JenL@CWTAcademy.com

Save the dates for the Aligning Across Watersheds: Regional Stormwater Tools Technical Workshop—
November 1 and 2, 2022

This interactive event will focus on:

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- Co-designing aspirational, regional stormwater management goals – setting implementation targets that we, as practitioners, can commit to at the watershed scale
- Identifying barriers to achieving those goals
- Elevating new planning tools that will help inform more strategic stormwater investments, and
- Identifying the roles each of our organizations and jurisdictions can play to contribute to those goals

On Day One, we'll connect the dots back to the May 2021 Stormwater Summit and introduce potential goals statements that we, as a region, could commit to. We'll then engage participants in evaluating those goals statements – what resonates, what's missing, and what barriers we face in achieving those targets.

On Day Two, we'll recap the input received on Day One, review the new technical tools that inform more strategic investments in regional stormwater management, and then identify the supporting roles that each of us can play in making those goals a reality. Technical tools will be featured from King County, City of Tacoma, and Stewardship Partners.

Registration is now live, please click here <https://kingcounty.zoom.us/meeting/register/tZApC-6orTwtGNWS6GqOe8duR1czZkrItbYh>. A more detailed agenda will be sent out to all registrants approximately two weeks before the event.

Do you have ideas for tools that support strategic, collaborative stormwater management that should be included in these conversations? Do you have topics that you hope will be discussed by the group? Please let us know; we want to hear from you! Contact: John Brosnan jbrosnan@kingcounty.gov

How to Plan and Facilitate an Engaging Virtual Training, Cathy Angell Nov. 15, 2022 Fee \$55.00
More information at <https://www.tickettailor.com/events/cathyangellcommunications/742653>

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Does your organization have an interesting project that you've recently completed, are currently working on or will launch soon? Let me know! **We are seeking additional topics for the report-out portion of the symposium and may be able to offer a ~15-minute slot during that time.** Contact: Eric Lambert Eric.Lambert@clark.wa.gov

Community Based Social Marketing Workshop by Doug McKenzie-Mohr Dec. 7-9, 2022

Introductory Workshop (Three four-hour sessions spread over December 7th, 8th, & 9th) Fee based. Learn more at: https://cbsm.com/workshops/virtual-NA-Dec2022?utm_source=convertkit&utm_medium=email&utm_campaign=Small+request%3A+Upcoming+Virtual+North+America+CBSM+Training+%28discount+code+provided%29+%20-%208767541

SPARKS Conference Pacific Northwest Social Marketing Association Dec. 8 & 6, 2022

This year, social marketing experts from across the Pacific Northwest will speak on behavior change related to some of the most urgent issues we face; discussing topics of public health, injury prevention, environmental health and protection, and community well-being. For more information and registration visit: <https://www.pnsma.org/event-4929092>

JOB OPPORTUNITIES: please share with anyone who may be interested in listed below:

City of Tacoma is accepting applications for NPDES Professional Engineer Closes 10/19/22

For more information <https://www.governmentjobs.com/careers/tacoma/jobs/3732600/professional-engineer-environmental-programs-group>

The Washington Stormwater Center is hiring a Stormwater Permit Assistant Specialist. More information here https://wsu.wd5.myworkdayjobs.com/en-US/WSU_Jobs/job/Stormwater-Permit-Assistance-Specialist_R-7308

City of Seattle - Urban Watershed Operations Manager

<https://www.governmentjobs.com/careers/seattle/jobs/3716082/urban-watershed-operations-manager-sa2>

Pierce County is now accepting applications for a Civil Engineer 1 - Surface Water Management

For more information <https://www.governmentjobs.com/careers/piercecountywa/jobs/3701694-0/civil-engineer-1-surface-water-management>

City of Auburn - Associate Storm Drainage Engineer

<https://www.governmentjobs.com/careers/auburn/jobs/3511108/associate-storm-drainage-engineer>

The Department of Ecology Positions:

The Environmental Assessment Program (EAP) within the Department of Ecology is looking to fill a Product Testing Project Manager (Natural Resource Scientist 2) position. This position is located in our Headquarters Office in Lacey, WA. Upon hire, you must live within a commutable distance from the duty station. Applications due Oct. 5, 2022. Contact: Halle Patterson hapa461@ecy.wa.gov
Apply here: <https://www.governmentjobs.com/careers/washington/jobs/3731723/product-testing-project-manager-natural-resource-scientist-2>

The Water Quality program within the Department of Ecology is looking to fill a Senior Stormwater Project Specialist (Environmental Specialist 4)(In-Training) position. This position is located in our Headquarters Office in Lacey, WA.

Come join the Ecology Stormwater Action Team, SWAT. The statewide SWAT team works in partnership with local governments to fund and implement stormwater quality, green infrastructure, and low-impact development projects. The SWAT prioritizes projects across the state to receive water quality funds and ensures that each funding recipient complies with state and federal funding guidelines. As a Stormwater Project Specialist you will develop relationships with local governments and provide guidance as they develop project proposals and manage funded projects. Applications due Oct. 11, 2022. Apply here: <https://www.governmentjobs.com/careers/washington/jobs/3728859/senior-stormwater-project-specialist-environmental-specialist-4in-training> Contact: Halle Patterson hapa461@ecy.wa.gov