



# Draft Agenda

**Wednesday, September 21, 2016 from 9:00 a.m. to 12:00 p.m.**  
**USGS Columbia Conference Room, 934 Broadway, Tacoma 98402**

*directions are provided on the last page of this agenda*

## THE MEETING'S GOALS:

1. Learn results of RSMP marine nearshore bacteria data compilation and analysis;
2. Discuss the Pooled Resources Oversight Committee (PRO-C) evaluation of Ecology as RSMP administrator;
3. Hear updates on Regional Stormwater Monitoring Program (RSMP) implementation and administration;
4. Hear a status update on the RSMP nearshore mussel monitoring;
5. Hear about progress toward identifying a second round of RSMP effectiveness studies;
6. Hear an update on the Agricultural Runoff Monitoring Strategy implementation planning;
7. Hear from our subgroups about progress implementing our work plan for 2016-2017;
8. Decide on messages and timing for the next SWG Reporter; and
9. Hear other updates related to our work.

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9:00 Welcome, introductions, and review of the meeting's agenda and goals

9:10 Hear findings of RSMP marine nearshore bacteria compilation and analysis

- *Debby Sargent of Ecology/WDOH BEACH program will share the extent of available marine nearshore bacteria data and the findings of her analysis.*
- *Do work group members have any questions? Are there any comments from non-work group members?*

9:35 PRO-Committee Evaluation of Ecology as RSMP service provider

- *The PRO-C recently finalized a "report card" on Ecology's service as the RSMP administrative entity and also on the PRO-C itself in its oversight role. Both of these evaluations were specified in the PRO-C charter and are based on expectations set out in the PRO-C charter.*
- *Do work group members have any questions about the "report card"? What are our next steps for sharing it?*
- *Are there any comments from non-work group members?*

10:00 RSMP implementation briefing by the PRO-Committee Chair and RSMP Coordinator

- *The PRO-C will next meet in October. Here are updates on RSMP implementation, contracting, and budget items:*
  - *Communication: At our last work group meeting we discussed a proposed project to provide support for sharing RSMP study findings.*
    - *The PRO-C approved a scope of work and the RSMP Coordinator and Association of Washington Cities are in the contracting process for this project. The project will begin soon, proportionately funded from the 3 RSMP accounts.*
    - *Subgroup members and SWG local caucus representatives have been asked to participate on an advisory committee for this project.*
  - *Effectiveness: All of our first round effectiveness studies are underway (or completed) and the second round will be starting next year.*
    - *The Small Business Inspection Source Control survey went out in August.*
    - *Discussion of the next round of studies is the first agenda item after our scheduled break, below.*
  - *Status and trends monitoring:*
    - *The nearshore sediment QAPP was approved and monitoring began in August.*
    - *Work group members will hear about the mussel monitoring in our next agenda item.*
    - *Initial findings from the stream data analysis team will be shared at our November meeting.*



## STORMWATER WORK GROUP

<http://www.ecy.wa.gov/programs/wq/psmonitoring/swworkgroup.html>

- *Source identification: The SWG Source ID subgroup will meet September 27 to discuss the draft final report on the IDDE incident tracking data analysis and recommendations for future data fields. The invitation to this meeting has been broadly distributed and we expect a sizeable number of people.*
- *Do work group members have any questions? Do work group members wish to provide further direction to the PRO-Committee and RSMP Coordinator?*
- *Are there any comments from non-work group members?*

### 10:20 Hear a progress report on the nearshore status and trends monitoring mussel component

- *Jennifer Lanksbury of WDFW will provide a brief update on the status of the mussel contaminant data collection and analysis project today. We will hear findings next spring.*

### 10:30 Break

### 10:45 Discuss progress on identifying projects for a second round of RSMP effectiveness studies

- *Twenty-two Letters of Interest (LOIs) were submitted in July for a second round of RSMP effectiveness studies; one was later amended and another was recalled. Attached to this agenda is a spreadsheet with brief information about each of the 21 LOIs under consideration; they are all posted at <http://www.ecy.wa.gov/programs/wq/stormwater/municipal/rsmp/effective.html>.*
- *The SWG Effectiveness Studies Subgroup had three members review each LOI independently and then met on September 12 to review and discuss all of the LOIs. The subgroup noted that for the next (third) round of studies we should ask for more specific information about the data gap being filled and methods/sites to be used.*
- *At today's meeting we will learn about the range of topics. The subgroup recommends that any of the LOIs could move forward to develop a full proposal, but that there are particular concerns for a few that the project proponents should weigh before putting time into a full proposal.*
- *Following today's meeting, each project proponent will hear from the RSMP Coordinator about their LOI and, if it is moving forward, feedback for a successful full proposal. We have no idea of the costs for the new proposals, but it is likely that we be able to fund 4-5 studies at most in this second round.*
- *Do work group members have any comments or questions? Does the work group have further direction for the SWG Effectiveness Studies Subgroup or RSMP Coordinator?*
- *Are there any comments from non-work group members?*

### 11:10 Hear progress toward completing our agricultural runoff monitoring strategy

- *A report on the SWG Agricultural Runoff Monitoring Subgroup's progress toward completing this implementation strategy will be shared today.*
- *The strategy will be discussed further at our November meeting, where we will also hear presentations on current effectiveness monitoring programs.*
- *Do work group members have any comments or questions? Does the work group have further direction for the SWG Agricultural Runoff Subgroup?*
- *Are there any comments from non-work group members?*

### 11:30 Other work plan implementation updates

- *Our subgroups continue to make progress toward achieving the goals established in our 2016-17 work plan. In addition to the updates provided in prior agenda topics, here are some specific additional updates:*
  - *Communication: The most recent issue of the SWG Reporter went out on August 31. Possible topics for the next issue include:*
    - *Results of nearshore bacteria data compilation and analysis shared*
    - *Agricultural runoff monitoring strategy nearing completion*



## STORMWATER WORK GROUP

<http://www.ecy.wa.gov/programs/wq/psmonitoring/swworkgroup.html>

- *Process continues to select a second round of RSMP Effectiveness Studies*
- *Ecology's performance evaluated as RSMP administrative entity*
- *AWC to help with communication of RSMP findings*
- *SWG receives recognition letter from EPA Regional Administrator*
- *Join our effort! Participate in developing our 2017-2018 work plan*
  - *Work Plan: The subgroup will meet again this fall to discuss next year's work plan updates.*
- *Do other subgroup chairs or members have additional updates to share?*
- *Do work group members wish to provide additional direction for our subgroups?*
- *Are there any comments from non-work group members?*

### 11:35 Updates on other efforts related to our work

- *Todd Hunsdorfer will give a brief update on the "ad hoc" group discussions of permit reissuance topics.*
- *Abby Barnes will give a brief update on the WDNR outfall mapping project.*
- *Are there any comments or additional updates from work group members or non-work group members?*

### 11:50 PSEMP and Action Agenda coordination – any questions on the written update below?

- *The PSEMP Steering Committee (SC) continues to discuss its future role, purpose, and capacity given the reduced staff support from the Puget Sound Partnership (PSP). The SC work plan, includes an annual cross-workgroup-topic-based meeting or workshop. At its last meeting on September 13, the committee discussed effectiveness monitoring and heard a report on how the RSMP will inform stormwater management actions.*
- *PSP needs plans for how to achieve their vital sign targets. Effectiveness assessments for Implementation Strategies are underway. Puget Sound Institute (PSI) is developing products: factsheets, background summaries, synthesis papers (generalizations supported by evidence), alternatives analysis, and monitoring plan. PSP/PSI may come to us and/or the Freshwater and Toxics workgroups for advice on the implementation strategies for stormwater actions related to the B-IBI and Toxics in Fish vital sign indicator targets.*
- *What are the other workgroups (WGs) discussing and what are our related plans, needs and interests? Most WGs are still defining their goals and audiences. PSEMP staff met on September 6 and shared these updates:*
  - *Toxics WG is developing a "Toxics Synthesis Report" for Puget Sound; they are reviewing ~40 submittals including RSMP data. They are also advising the RSMP Puget Lowland stream assessment team on relevant benchmarks for the toxics data collected last year.*
  - *Nearshore WG just completed summer volunteer monitoring of armoring and eelgrass.*
  - *Freshwater WG will be reviewing/discussing the analysis of the RSMP Puget Lowland stream monitoring and is the "owner" of the B-IBI vital sign indicator (among others).*
  - *Tristan Peter-Contesse is the new staffer for the Salmonid WG which is responsible for taking over some of the disbanded RITT's functions. A new, higher-level salmon advisory group is also providing feedback on non-monitoring questions. The two groups might be combined.*
  - *Marine Waters WG is working on the next Marine Waters Report.*
  - *Marine Birds WG is working to better understand estuary restoration impacts. They are on coordinating response to mass bird die-offs. Volunteer bird summer monitoring was coordinated with Nearshore WG.*
  - *Forage Fish WG is trying to get a better handle on surf smelt and sand lance populations and doing related water quality sampling.*
  - *Rockfish WG is doing kelp habitat research and will have a workshop this fall.*
  - *Effectiveness WG has discussed nearshore studies (info now on-line) and will be talking about floodplain restoration for salmonids in the context of the Implementation Strategies.*
  - *Disease WG is still in the formative stage and gathering current knowledge.*
  - *Terrestrial WG and Modeling WG staffers were not present; no updates given.*
- *"Evolution of the [Vital Sign] Indicators" report by Sandie O'Neill and Scott Redman that was written in response to the Washington Academy of Sciences audit comments is under scientific peer review.*
- *New fact sheet on Puget Sound Ecosystem Recovery Targets and vital sign website coming soon. Gearing up for next State of Sound report. PSEMP will guide decisions about what are the "key findings" to highlight.*



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- *Efforts are underway to define more cross-boundary science interpretation and roll up of current knowledge.*
- *Quarterly “PSEMP Newsletter” will be reconvened.*

11:55 Recap of today’s meeting and hear other updates or announcements

- *Summarize decisions, action items, and next steps from today’s meeting.*

12:00 Adjourn

### **NEXT SCHEDULED MEETING:**

Wednesday, November 9, 2016 from 9am to 12pm at the USGS Office in Tacoma, with possible extended hours as needed. Expected agenda topics include:

- *Hear presentations related to the implementation plan for agricultural runoff monitoring;*
- *Hear findings of the IDDE data analysis, and recommended data fields for future source identification analysis;*
- *Hear initial findings of the Puget Lowland stream data analysis;*
- *Hear an update on the strategy for communicating RSMP findings to key audiences;*
- *Hear updates on RSMP implementation and administration;*
- *Hear from our subgroups about progress implementing our work plan for 2016-2017;*
  - *Identifying a second round of RSMP effectiveness studies*
  - *Tee up work plan updates for 2017-2018*
- *Remind work group members that nominations for chair and vice chair will be made at our January meeting;*
- *Decide on messages and timing for the next SWG Reporter; and*
- *Hear other updates related to our work.*

The meeting schedule for 2017 is: January 18, March 15, June 7, September 13, November 15.

### **DIRECTIONS TO THE USGS OFFICE IN DOWNTOWN TACOMA**

A map is available at <http://wa.water.usgs.gov/directions.html>

*Public transportation:* Take express buses from Olympia or Seattle to the last stop at 10<sup>th</sup> and Commerce in downtown Tacoma. Walk up the ramp in the middle of the block on Commerce (to the left of the Pierce Transit bus shop and along the fountains) to Broadway Plaza and across the street to at 934 Broadway. [If your express bus drops you at the Tacoma Dome Station, take the Link train to the last stop, walk back on Commerce to 9<sup>th</sup> and up the hill to Broadway. Turn left and walk to 934 Broadway.] The entrance to the USGS office is via elevator at the end of the lobby on the right. Go to the 3<sup>rd</sup> floor and sign in with the receptionist.

*Driving directions:* Northbound or Southbound on I-5, take exit 133 City Center to I-705 and exit A Street. Turn left on S 11<sup>th</sup> Street and go uphill to Market Street. Turn right on Market Street. The entrance to the Rhodes Center’s parking garage is on your left under the skybridge. Park on the upper floors for \$1.50/hour (up to \$8/day); clearly marked State vehicles park for free. Cross the skybridge to the Market Building of the Rhodes Center. Walk through the Market Building and across another skybridge to the Broadway Building. There is a bank of elevators near the atrium on the left. Take the elevator to the first floor, exit the building to Broadway, and walk a few doors to the left to 934 Broadway. The entrance to the USGS office is via elevator at the end of the lobby on the right. Go to the 3<sup>rd</sup> floor and sign in with the receptionist.



## STORMWATER WORK GROUP

Wednesday, September 21, 2016, from 9:00 am to 12:05 pm  
USGS, 934 Broadway, Tacoma WA, 98402

# Final Summary

OF THE MEETING'S KEY DISCUSSIONS, DECISIONS AND AGREEMENTS

*a list of acronyms is provided at the end of the document*

### ATTENDEES:

*Work Group members and alternates present, and the organizations and caucuses they represent:*

**Cami Apfelbeck** (Bainbridge Island), Local Governments, and the Work Group's Chair; **Jess Archer** (ECY EAP), State Agencies; **Abby Barnes** (WDNR), State Agencies, and the Work Group's Vice Chair; **Kevin Burrell** (Seattle), Local Governments; **Jay Davis** (USFWS), Federal Agencies; **Leska Fore** (PSP), State Agencies; **Dick Gersib** (WSDOT), State Agencies; **Todd Hunsdorfer** (King Co), Local Governments; **Shana Joy** (WSSC), Agriculture; **Chris Konrad** (USGS), Federal Agencies; **Jennifer Lanksbury** (WDFW), State Agencies; **Ben Parrish** (Covington), Local Governments; **Kit Paulsen** (Bellevue), Local Governments; **Andy Rheame** (Redmond), Local Governments.

*Others in attendance:* **Brad Archbold** (WSDOT), **Angela Gallardo** (Kitsap Co), **Amy Georgeson** (Tumwater), **Andy James** (UW-Tacoma), **Ani Jayakaran** (WSU-Puyallup), **Rick Moore** (GeoEngineers), **Sarah Norberg** (Tacoma), **Rob Plotnikoff** (TetraTech), **Debby Sargent** (ECY EAP), **Connie Sullivan** (Puget Soundkeeper Alliance).

*Work Group staff:* **Karen Dinicola** (ECY WQP), SWG Project Manager; and **Brandi Lubliner** (ECY WQP), RSMP Coordinator.

### WORK GROUP LEARNS ABOUT NEARSHORE BACTERIA DATA COMPILATION AND ANALYSIS

Early in the implementation phase of the RSMP, the SWG decided not to include monthly bacteria sampling in urban nearshore areas as part of the status and trends monitoring component during this permit cycle, but instead to use some of the funds to compile and assess data gathered by other programs and make recommendations for future sampling. Debby Sargent was, until recently, the BEACH Program Manager for the Washington State Departments of Health and Ecology. She was selected by the PRO-C to do this project. Debby is near completion of this project which will result in a Technical Memo. Her PowerPoint presentation to the work group will be posted with this meeting summary.

The project scope of work focused on identifying what fecal coliform, *Enterococcus*, and *E. coli* bacteria data are available for 2010-15 in the Puget Sound nearshore adjacent to urban growth areas. Debby found good spatial coverage overall, with most of the data in west central Puget Sound and a data gap for the Strait of Juan de Fuca. Most of the data are for fecal coliform. There are lots of non-detects, with much of the data variation likely attributed to the purpose of the sampling, *i.e.*, samples collected during or following storm events near tributary streams have the highest concentrations.

Jim Simmonds of King County is the technical liaison for this project; he and Leska Fore will both review the draft final technical memo which is due at the end of November. Following up on this project, we as a work group need to identify more specific questions for further data analysis and recommendations for long term regional monitoring and trends assessments. Debby can make some suggestions for us in her memo.

### WORK GROUP DISCUSSES PROGRESS TOWARD IDENTIFYING A SECOND ROUND OF EFFECTIVENESS STUDIES

In July, the RSMP Coordinator received 22 Letters of Interest (LOIs) for possible effectiveness studies. The one project that was not aligned with the purpose of this RSMP component retracted their proposal, so the group was left with 21 LOIs to review. Three different SWG Effectiveness Subgroup members reviewed each of the proposals and then the subgroup discussed all of the LOIs. The purpose of the subgroup's review at this stage was not to screen out or rank the proposals, but rather to provide feedback to the study proponents to help them develop full proposals that are more likely to succeed. The subgroup also did some combining of study ideas so that proponents of similar projects can work together on full proposals.

Following today's discussion, Brandi Lubliner will send the subgroup's feedback to each project proponent.

For the next round, we will ask for a rough budget estimate at the LOI stage. At the end of the effectiveness studies selection workshop next spring, we will ask participants what kinds of studies they want that they are not seeing represented in the proposals under consideration. As a work group, we will decide whether highly ranked studies that cannot be funded during this cycle will be first in line for funding in the next permit cycle.

## **WORK GROUP DISCUSSES EVALUATION OF ECOLOGY AS RSMP SERVICE PROVIDER**

Over the summer, the PRO-Committee completed a “report card” on Ecology’s performance as RSMP Administrator. The PRO-C also completed an evaluation of its own performance in its oversight role. Both of these evaluations are specified in the PRO-C charter. The work group appreciated the PRO-C’s work and the format they developed to present both of the evaluations.

Ecology appreciates getting this report card and wants to be sure work group members and other stakeholders have a full picture of the internal Ecology workload associated with implementing the RSMP. To this end, Jess Archer shared three specific areas that are not captured in the report card.

- Revenue collection involves invoicing work that is different from project invoicing. Ecology staff prepared an invoicing and accounting system for managing permittees’ payment. They mail out invoices, track the revenue, and follow up with permittees who haven’t paid on time. They also generate the receipts that go into PARIS (Ecology’s permit reporting system). There is an additional annual workload in updating permittee contacts.
- Cash flow management also includes budget planning and management activities beyond ensuring that revenues are not overspent. Administrating this large budget includes advance projections and getting management approval. For Ecology, as a state agency, this includes getting buyoff from OFM and the legislature.
- Communication of RSMP findings will be an ongoing workload for the RSMP Coordinator even with AWC involved in the support role. (Work group members suggested that additional spokespersons for the RSMP might be identified beyond the RSMP Coordinator hired by Ecology.)

Work group members agreed that the PRO-C should continue to conduct these evaluations of Ecology as RSMP service provider on a regular basis. It is helpful to have the information available to all interested parties about what is working well and where improvements can be made. Work group members suggested that the evaluations occur at the middle of, and about six months before the end of, each permit cycle. Work group members asked the PRO-C to discuss both the frequency and any additional “report card” evaluation topics at its next meeting and to bring recommendations back to the work group at our next meeting in November.

Meanwhile, Brandi is getting the real-time feedback and oversight she needs from the PRO-C to keep the projects moving and producing results the SWG is looking for from the RSMP.

## **WORK GROUP UPDATED ON RSMP IMPLEMENTATION AND OVERSIGHT**

RSMP Coordinator Brandi Lubliner and PRO-Committee chair Ben Parrish provided a detailed update on RSMP activities, contracting decisions, and upcoming projects. In addition to the details listed in the meeting agenda:

- The AWC contract for communication support is not yet signed but we hope that will happen soon. If possible, the advisory committee for this project should include representatives of each of the “persona” groups of Public Works Directors, elected officials, stormwater managers, and field technicians. The RSMP should be featured at the municipal stormwater conference being put on by the Washington Stormwater Center each year. The RSMP symposium can be timed with this conference during years that it is held in western Washington. Since “MuniCon 2017” is in Yakima we will hold a one day symposium here this coming spring to share RSMP findings.
- The business inspection source control effectiveness study is having a hard time getting data. A renewed request for these data will be included in the next SWG Reporter. Future studies will use an RSMP cover letter to explain the request for data. The work group will have ongoing conversations about how to do this type of study and how to make the most of the permittees’ investment in these highly ranked studies. One idea is a “data elf” role to help permittees compile and explain their data. Overall we want to avoid inefficient production of new data.
- Only a couple of the RSMP mussel cage status and trends sites were not used as nearshore sediment sampling sites. Connecting these data will be a future study topic.
- Work group members who want to be included in the PSEMP Freshwater Workgroup’s detailed discussions of the RSMP Puget Lowland Stream Data analysis and findings should contact [Leska Fore](#) to be added to that list.

## **WORK GROUP UPDATED ON PROGRESS TOWARD COMPLETING AN AGRICULTURAL RUNOFF MONITORING STRATEGY**

Shana Joy of WSCC is both staff and chair of the SWG Agricultural Runoff Subgroup. The subgroup brought four prior sets of recommendations for agricultural monitoring priorities to the work group for approval. They are working on an implementation plan for conducting the monitoring. Securing funding will be a significant challenge, but the subgroup is making progress on a plan centered on leveraging national programs. In preparation for discussing a completed draft implementation plan at our November meeting, we will hear a presentation by NRCS on the “Discovery Farms” and “Conservation Effects Assessment Project” programs. Work group members want to ensure that other state agencies (Ecology, Agriculture) are aware of and support this monitoring concept. Shana’s PowerPoint presentation to the work group will be posted along with this meeting summary.

## **WORK GROUP HEARS ABOUT THE RSMP MUSSEL SAMPLING EFFORT**

Jennifer Lanksbury’s PowerPoint presentation to the work group will be posted along with this meeting summary. The sampling was a success with a tremendous volunteer effort supporting it. Findings will be presented next spring.

## **WORK GROUP UPDATED ON STAKEHOLDER DISCUSSIONS ABOUT UPCOMING PERMIT REISSUANCE**

An *ad hoc* group of permittees and other stakeholders (WEC, PSA, Futurewise) has been meeting to discuss recommendations for other parts of the municipal stormwater permits. Ecology has been attending. The group is open to others and all of the information is posted on a website hosted by the Washington Stormwater Center. The purpose is building relationships and having dialogue toward a common goal. Subtopic leads developing proposals for monitoring (outside S8 and focused on G9 and Appendix 9), Phase 1&2 permit comparisons, LID, structural controls, and watershed planning. Contact [Todd Hunsdorfer](#) if you’d like more information about this process. The group’s next meeting is September 29.

## **WORK GROUP UPDATED ON NEP-FUNDED OUTFALL MAPPING PROJECT**

Abby Barnes presented the mapped outfall data supplied by permittees. The data will be posted on WDNR’s map finder; there is no “final report” for this project. There is no consistency in the data, and the spatial variation in the maps reflects the multiple interpretations of the term stormwater “outfall” versus system “asset.” The online map display will include contextual explanation. Work group members expressed that it is a good idea to capture the lessons learned from this project and discuss how the results might influence how permittees manage their data. Abby’s PowerPoint presentation to the work group will be posted along with this meeting summary.

## **GET INVOLVED IN THE SWG’S WORK PLAN UPDATES!**

At our next meeting we will begin to discuss various subgroup’s proposals for updating our 2016-2017 work plan for 2017-2018. Dick Gersib volunteered to help Karen gather information and ideas about our work group’s next steps.

## **FUTURE MEETING DATES AND PROPOSED DISCUSSION TOPICS**

At all of our meetings, we will:

- Hear feedback from the RSMP Coordinator and PRO-Committee on RSMP implementation,
- Continue to discuss recommendations for RSMP implementation and oversight outside the permit structure,
- Hear from our subgroups about the status of implementing our current work plan,
- Hear updates from the PSEMP Steering Committee and other workgroups, and Action Agenda coordination, and
- Determine messages and timing for the next SWG Reporter issue.

At our next meeting on Wednesday, November 9, 2016 from 9:00 am to 12:00 pm at the USGS Office in Tacoma, we will also:

- Learn about key programs that could be leveraged to implement an agricultural runoff monitoring strategy,
- Hear initial findings of the analysis of the RSMP data collected in small Puget Lowland streams in 2015, and
- Consider updates to our work plan for 2017-2018.

Work group meetings in 2017 are scheduled on January 18, March 15, June 7, September 13, and November 15.

**ACRONYMS USED IN THIS MEETING SUMMARY:**

AWC – Association of Washington Cities  
BEACH – Beach Environmental Assessment, Communication, and Health  
BMP – Best Management Practice  
ECY EAP – Washington Dept. of Ecology’s Environmental Assessment Program  
ECY WQP – Washington Dept. of Ecology’s Water Quality Program  
G9 – Municipal Stormwater Permit General Condition G9  
NEP – National Estuary Program (of USEPA)  
NRCS – Natural Resources Conservation Service  
PRO-C or PRO-Committee – Pooled Resources Oversight Committee  
PSA – Puget Soundkeeper Alliance  
PSEMP – Puget Sound Ecosystem Monitoring Program  
PSP – Puget Sound Partnership  
RSMP – Regional Stormwater Monitoring Program  
SWG – Stormwater Work Group  
S8 – Municipal Stormwater Permit Special Condition S8  
USFWS – U.S. Fish and Wildlife Service  
USGS – U.S. Geological Survey  
UW – University of Washington  
WDNR – Washington Dept. of Natural Resources  
WEC – Washington Environmental Council  
WSCC – Washington State Conservation Commission  
WSDOT – Washington Dept. of Transportation  
WSU – Washington State University