



Draft Agenda

Wednesday, June 12, 2013 from 9:00 a.m. to 12:00 p.m.

USGS, 934 Broadway, Tacoma 98402

directions are provided on the last page of this agenda

THE MEETING'S GOALS:

1. Approve updated recommendations for RSMP effectiveness studies
2. Hear findings of streamflow gaging network analyses
3. Discuss roads and highways monitoring recommendations
4. Hear from our subgroups about the status of implementing our 2013-2014 work plan
5. Discuss messages and timing for next SWG Reporter
6. Hear from PSEMP about progress, coordination needs, and other topics of interest
7. Hear other updates related to our work

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

9:10 Approve new recommendations for RSMP effectiveness studies

- *At our last work group meeting we discussed a draft revised list of proposed study topics that the Effectiveness Subgroup developed after considering the findings of the synthesis project. The subgroup met on May 20 and made edits to the revised list in response to the feedback we provided.*
- *We hope to approve the revised list today and submit it to Ecology so that it is available for permittees to review in advance of their permit-required decisions to opt in or out of the RSMP effectiveness studies component.*
- *What comments do work group members have? Do work group members approve the list?*
- *Are there any comments from non-work group members?*

10:10 Hear findings of stream gaging analysis project

- *Chris Konrad of USGS is nearing completion of the second stage of analyzing the Puget Sound stream gaging network and making recommendations for long-term monitoring to answer questions about stormwater impacts on flow in small Puget Lowland streams. Basins were delineated for the first 100 RSMP sites. Chris provided a brief written summary of his findings which is included on p. 3 of this agenda.*
- *What comments or questions do work group members have for Chris? What are the timing and next steps for identifying a list of regionally important gages? Do we have further direction for the Small Streams Subgroup?*
- *Are there any comments from non-work group members?*

10:30 Break

10:45 Hear recommendations for roads and highways monitoring

- *The Roads and Highways Subgroup has been gathering, developing, and ranking project ideas to comprise a roads and highways monitoring strategy. The subgroup's final recommendations are due in September, when the work group should approve and submit them to Ecology to consider in determining monitoring requirements for the next WSDOT permit. We will discuss the subgroup's current proposal today. The subgroup will continue to work on their recommendations over the summer.*
- *What comments and questions do work group members have? Do we wish to provide direction for the Roads and Highways Subgroup? What progress and process are needed for the work group to approve recommendations in September?*
- *Are there any comments from non-work group members?*



STORMWATER WORK GROUP

<http://www.ecy.wa.gov/programs/wq/psmonitoring/swworkgroup.html>; <https://sites.google.com/site/pugetsoundstormwaterworkgroup/home>

11:30 Discuss status of our work plan implementation

- *Our subgroups continue to make progress toward achieving the goals established in our work plan for 2013-2014. What information or updates, aside from our previous agenda item discussions, do subgroups have to share today?*
 - *Agricultural Runoff: will meet July 11 to develop effectiveness monitoring recommendations*
 - *Communication: discussed in the next agenda item – chair still vacant*
 - *Effectiveness: discussed in a previous agenda item*
 - *Marine Nearshore Status and Trends: joint meeting with Toxics Workgroup scheduled for June 20; RSMP site list near final; subgroup needs to select a chair*
 - *Pooled Resources Oversight: no activity to report; will reconvene to discuss RSMP program manager position description*
 - *Roads and Highways: discussed in a previous agenda item*
 - *Small Streams Status and Trends: discussed in a previous agenda item*
 - *Source Identification Information Repository (SIDIR): held conference call on May 8 to discuss public comments on IDDE incident tracking form and revise it; new form will be discussed by ECY permit team*
 - *Work Plan: no activity to report; will reconvene to discuss work plan updates this fall*
- *Do work group members wish to provide additional direction for our subgroups?*
- *Are there any comments from non-work group members?*

11:45 Agree on messages for next issue of “SWG Reporter”

- *The most recent issue of the SWG Reporter went out on April 10. At our last meeting the following topics were identified for the next issue:*
 - *Recommended list of stormwater management program effectiveness studies has been revised*
 - *Final effectiveness study literature review synthesis reports are available on-line*
 - *Illicit discharge incident tracking form content is being finalized*
 - *RSMP status and trends monitoring plans and coordination with other efforts*
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- *Do work group members have suggestions for other topics to include in the next update? When should it go out? Are there any comments from non-work group members?*

11:50 PSEMP coordination and other coordinated monitoring updates

- *What decisions have been made by the steering committee, or will be made at future meetings, on which the work group might want to provide input? What are the other topical workgroups discussing and what are our related plans, needs and interests?*
- *Are there any comments from non-work group members?*

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

- *Summarize decisions, action items, and next steps from today’s meeting*
- *Are there other activities, decisions, or upcoming events of which work group members should be aware?*

12:00 Adjourn

NEXT SWG MEETING AND EXPECTED AGENDA TOPICS

September 18 from 9am to 12pm at the USGS Office in Tacoma, with possible extended hours as needed:

- *Approve Roads and Highways monitoring recommendations*
- *Discuss recommendations for effectiveness studies for agricultural runoff*
- *Discuss membership and plans to convene the Pooled Resources Oversight Committee*

Other meetings scheduled for this calendar year: **November 13**



An Analysis of the Streamflow Gaging Network in the Puget Sound Basin: Second Installment

Informal Summary of Preliminary Findings by C.P. Konrad, USGS

June 3, 2013

The current streamflow gaging network in the Puget Sound basin with 279 active gages provides capacity for regional monitoring of stormwater impacts. Active gages cover much of the Puget Lowland and many of those gages could provide useful information. Of the 2101 drainage units (each of which is less than 50 sq km) in the Puget Lowland, there are 950 which have gages where the gaged areas is not more than 10 times the area of the drainage unit. In most cases, however, gages measure streamflow from too large of drainage area to be useful for inferring conditions in smaller streams.

Physiographic and land use attributes for gaged areas were compared to those for the Puget Lowland in general. The gaging network has five main gaps:

1. low elevation (< 60 m above sea level);
2. coarse, unconsolidated surgical geology (*e.g.*, glacial outwash);
3. relatively low precipitation (less than 1 m/yr);
4. high stream densities (> 3 km/sq km); and
5. extensively forested (> 87%).

Gages generally represent the range of urban development in terms of road density and impervious surfaces.

The active gaging network will provide information at many of the RSMP sites. Of the 100 initial sites, 32 were in the drainage are of a gage where the gaged area was < 10 times the RSMP area.

Gages that are likely to be regionally important can be identified from these results based on whether they provide information on particular types of streams and/or they can be used in RSMP.

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 10th 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 at the top 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 9th 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 hall on the right. Go to the third 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 11th 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/hour; 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 hall on the right. Go to the third floor and sign in with the receptionist.