



# Draft Agenda

Wednesday, March 21, 2018 from 9:00 a.m. to 12:00 p.m.

in the Columbia Room on the 3<sup>rd</sup> floor of the USGS office at 934 Broadway, Tacoma WA 98402

## THE MEETING'S GOALS:

1. Hear updates on SAM implementation, administration, and communication;
2. Remind work group members of the process we decided on for determining the design and approach for future trends monitoring;
3. Hear and discuss scientific recommendations for future SAM Puget Lowland streams monitoring;
4. Begin to discuss SAM study topics and questions for the next permit cycle and the decision of whether to update our 2011 effectiveness studies literature review;
5. Hear about "Nature's Scorecard";
6. Hear from our subgroups about other progress toward implementing our work plan for 2017-2018;
7. Decide on messages for the next SWG Reporter; and
8. Hear other updates related to our work.

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

9:05 Briefing by the PRO-C Chair and SAM Coordinator

- *The Pooled Resources Oversight Committee (PRO-C) last met on February 15 and will next meet in April.*
- *The October-December quarterly report for SAM was shared on February 21 and the report for the current quarter January-March will be available in late April.*



- *Updates on SAM implementation and contracting:*

- Communication:

- *The 4<sup>th</sup> SAM Newsletter is expected to go out this month.*
- *The results of the post-survey to assess effectiveness of the SAM communication strategy are being compiled.*
- *SAM fact sheets #007 and 008 on business inspection source control and King Co Echo Lake retrofit study are in publication.*
- *Fact sheets on the streams and nearshore sediment receiving water studies are in draft and will be published soon after the final reports are released.*
- *PRO-C is reviewing the scope and budget for continuing AWC's support for SAM communication; contract amendment is in process.*

- Effectiveness studies:

- *Bill Taylor of Raedeke Assoc. presented monitoring results for phase I of the Bellingham-sponsored Bioretention Hydrology Performance Effectiveness Study to the AWPA Stormwater Managers Committee on March 16 and soliciting sites for Olympia-sponsored phase II.*
- *King Co Echo Lake retrofit study contract will be closed soon.*
- *The contract for King Co's bioretention media blends study was recently signed.*
- *The revised tree project scope and budget are under review by SWG Effectiveness Subgroup prior to coming to SWG for final approval for the project to be funded.*

- Source ID:

- *Contract for King Co's IC/ID manual updates and training project contract was recently signed.*
- *King Co's regional hotline feasibility study contract scope and budget are in review by PRO-C.*
- *Seattle's business inspection evaluation project is delayed 1 year due to SPU staffing issues.*

- Status and trends:

- *Mussel cages were retrieved at the end of last month.*

- *The sediment and streams contracts will be closed soon. The sediment chemistry report is in USGS publication process. The streams report is in King Co publication process; the scientific recommendations will be discussed in the next agenda item.*
- *After today, SWG will have discussed all of the findings and recommendations from the first round of SAM receiving water monitoring. All of SAM's S&T Scientists will meet in April to discuss the future regional monitoring design. This work is not under contract.*
- *Do work group members have any questions? Do work group members wish to provide further direction to the PRO-C and SAM Coordinator?*
- *Are there any comments from non-work group members?*

9:25 **Reminder about SWG process for deciding on the approach for future rounds of SAM S&T**

- *The process for determining our overall framework for future status and trends monitoring in receiving waters is described in Task 3 of our 2018-2019 work plan, approved at our last meeting in January. The SAM S&T Scientists Team will meet in April to begin the discussions needed to support the process, which includes:*
  - *Develop collective SAM scientists team recommendations April-August, SWG discuss in September 2018, caucus discussions, SWG discuss in November, revision by team, public workshop in winter 2018-19, revision by team, SWG discuss in March 2019, caucus discussions, and SWG decision in June.*

9:30 **Discuss SAM Streams Scientists Team's recommendations for future monitoring**

- *Curtis De Gasperi of King County will present a summary review of the findings from the 2015 sampling before introducing the scientific recommendations for future monitoring.*
- *Based on the findings, the SAM Streams Scientists Team considered bare minimum changes or a somewhat more modified design with strategic adjustments. The team recommends the latter to emphasize trend and stormwater relevance. The proposed approach agreed upon by the team was discussed by the Freshwater Workgroup at its meeting February 5. The proposal includes:*
  - *Continue the probabilistic design but adjust from inside/outside UGA to a gradient of urbanization.*
  - *Eliminate the nested basins and limit the watershed size to focus more on smaller streams that are more directly affected by stormwater.*
  - *Secure reference sites.*
  - *Repeat land cover analysis.*
  - *Do not tie the sampling cycle to the permit cycle.*
  - *Each sampling cycle, revisit 100-150 sites including all of the sites from this round that meet the revised criteria (no nested basins or large watersheds). Each sampling event, add another 50-100 new sites in rotation until a total of 250 sites are sampled, and then begin to repeat visits to these sites in rotation.*
  - *For parameters: add stage; continue watershed health and sieved sediment chemistry; drop monthly sampling and WQI; consider creating index period(s) for water quality timeframe(s) for specific parameters (bacteria, nutrients, conventionals, TSS, turbidity, metals, PAHs, pesticides).*
- *Do work group members have any questions?*
- *Do work group members wish to provide further direction to the SAM scientists or Freshwater or Toxics Workgroups?*
- *Are there any comments from non-work group members?*

10:15 **Break**

10:30 **Begin to discuss SAM study topics and decide whether to update our literature review**

- *So far, the SWG has approved a total of 19 effectiveness studies and source identification studies for funding and implementation through SAM. The studies are focused on bioretention hydrology and treatment performance (9 studies), retrofits (4 studies), maintenance (1 study), and source identification and source control (5 studies).*
- *Prior to launching SAM, the SWG narrowed topics from a list of about 270 ideas, conducted a literature review, and decided on the following set of general topics for Stormwater Management Program effectiveness studies:*
  - *Erosion source control performance and inspections*
  - *Source control inspections*
  - *Catch basin inspections and maintenance pollution prevention*
  - *Long term performance and maintenance of low impact development, and benefits to receiving waters*
  - *Water quality and habitat benefits of retrofits*

Each topic above has an associated list of specific questions that study proponents are asked to address. Public education/behavior change was also of great interest but effectiveness was considered at the time to be evaluated by STORM and PSP. The detailed list of study topics and questions was sent out as an attachment to this agenda. The literature review synthesis papers that informed the narrowing to this list of topics are posted at <https://sites.google.com/site/pugetsoundstormwaterworkgroup/home/selection-of-effectiveness-studies/synthesis-papers>.

- In another year or two, we will want to send out a request for the third round of SAM proposals.
- The SWG Effectiveness Subgroup will work over the next six months to propose initial draft updates to the list of topics and questions. They will discuss and make recommendations to the SWG in September as to:
  - What topics have been addressed? What topics have not been addressed, and are they still important? Should any topics be de-prioritized? What new topic areas should be included?
    - What topics merit a new study versus a new white paper versus a new literature review?
  - Is an update to the 2011 literature review needed? If so, when should it be done and what is the scope?
- This fall, we will solicit ideas from permittees and interested parties for both stormwater management program effectiveness study topics and source identification topics. The fall 2018 SAM newsletter will include a survey tool to allow permittees and others to submit ideas electronically. A public workshop to discuss the topics will be coordinate with the workshop for receiving water monitoring discussed earlier.
- Do work group members have any questions?
- Do work group members wish to provide further direction to the SWG Effectiveness Subgroup?
- Are there any comments from non-work group members?

#### 11:10 Hear about “Nature’s Scorecard”

- At our last meeting we did not discuss “[Nature’s Scorecard](#)” – a third party evaluation of Puget Sound cities’ and counties’ implementation of stormwater management requirements intended to identify places and topics where improvement is needed to protect waterways from stormwater.
- Washington Environmental Council and Puget Soundkeeper Alliance partnered to produce the scorecard. Connie Sullivan of Puget Soundkeeper Alliance will present the scorecard and if she is not be able to answer everyone’s questions today she will work with the staff lead to follow up.
- Do work group members have questions or comments?
- Are there any questions or comments from non-work group members?

#### 11:25 Discuss our work plan implementation

- Our subgroups continue to make progress toward achieving the goals established in our 2018-19 work plan. Do subgroup chairs or members, or project team leads or members, have updates to share in addition to what was discussed as part of our first agenda topic this morning?
  - Brian Cochrane of the Washington Conservation Commission took over the combined role of staff and chair of the SWG Agricultural Runoff Subgroup last fall. The subgroup has not yet reconvened. Brian hopes to get this effort restarted soon and will provide a more substantial update at our next meeting.
- Do work group members wish to provide additional direction to our subgroups?
- Are there any comments from non-work group members?

#### 11:35 SWG communication update; decide on topics for the next SWG Reporter

- SWG Project Manager Karen Dinicola is working on the webinar on the history of the SWG and SAM to help new folks get up to speed.
- Karen has updated the SWG’s Google web pages with more current information. Anyone looking for older materials will need to contact Karen. At our last meeting, we did not discuss work group members’ priorities and needs for accessing the archives of SWG meeting agendas, materials, and summaries which are no longer available on Ecology’s webpage. What additional information is most important to provide on our Google support page?
- The last SWG Reporter issue was sent on January 9. Possible topics for the next SWG Reporter, anticipated to go out in May, include:
  - More SAM fact sheets published
  - New SAM effectiveness and source ID projects underway
  - SAM scientists will meet to plan future trends monitoring

- *SAM's BSM work connected to other studies and guidance for permittees*
- *SWG's 2018-2019 work plan approved*

#### 11:45 PSEMP and Puget Sound Partnership Action Agenda updates

- *PSP is hiring a new monitoring lead. PSEMP staff met with steering committee members on February 6.*
- *The PSEMP steering committee met March 13. Karen sent them a memo in January in response to their request for comments on a guidance document for workgroups.*
  - *Are there any items we might want to bring to the steering committee for discussion at a later date?*
- *What are the other PSEMP workgroups discussing, and what are our related plans, needs and interests?*

#### 11:50 Recap of today's meeting and hear other updates or announcements

- *Summarize decisions, action items, and next steps from today's meeting.*
- *The Lower Columbia Habitat Status and Trends Monitoring (LC HSTM) Urban Streams QAPP is out for review through May 11, 2018.*

#### 12:00 Adjourn

#### **NEXT SCHEDULED MEETING:**

**Wednesday, June 6, 2018** from 9am to 12pm at the USGS office in Tacoma, with possible extended hours as needed.

Expected agenda topics include:

- *Hear updates on SAM implementation, administration, and communication of findings;*
- *Hear an update on the bioretention hydrology performance effectiveness study;*
- *Hear an update on evolving scientific recommendations from SAM status and trends scientists;*
- *Continue to discuss effectiveness studies and source identification topics and questions for the next permit cycle;*
- *Hear an update on the agricultural runoff monitoring strategy;*
- *Hear from our subgroups about progress implementing our work plan for 2018-2019;*
- *Decide on messages and timing for the next SWG Reporter; and*
- *Hear other updates related to our work.*

Work group meetings in the remainder of 2018 will be held on: **June 6, September 19, and November 14.**

Please mark your calendars!

#### **MAP AND DIRECTIONS TO THE USGS OFFICE AT 934 BROADWAY IN DOWNTOWN TACOMA**

*To arrive by 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 934 Broadway. *OR*
- If your 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.

*Driving directions:* Street parking is limited to 2 hours so you will need to find a pay parking lot. Some options:

- 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, up the hill past Broadway where the office is located. 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. An envelope will be placed on your windshield while you are at the meeting; pay with cash or check and drop off your payment in the iron horse on your way out of the garage. Upon arrival and parking, 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. *OR*
- There is often parking available in the lot on the west (uphill) side of Broadway near the intersection with 9<sup>th</sup> Street, across from the playhouse *OR* on the west (uphill) side of Market Street, near the intersection with 9<sup>th</sup> Street. *OR*
- If you are willing to walk, parking is free several blocks uphill from the meeting location.

*At 934 Broadway:* The entrance to the USGS office is via elevator at the end of the lobby, on the right side of the stairs. Take the elevator to the 3<sup>rd</sup> floor, ring the bell, and sign in with the receptionist.