

STORMWATER WORK GROUP

Proposed Additions to Task 4 in the Work Plan

All dates are in 2009

Form two Task Groups (Tasks 4.1, 4.2, 4.3):

Desired outcome: Determine the minimum essential ongoing members to start with for each subgroup. The initial ~8-12 members must be committed to authoring the strategy and serving as liaisons to key outside experts (that may be brought in along the way) in order to accomplish the desired outcomes of the Impacts/Characterization and Efficacy Task Groups, detailed below. Additional Task Group members may be added for short periods of time to complete discrete subtasks.

Tasks and Timeline for SWG to Form the Task Groups:

- At 17 March “Task 4 planning subgroup” meeting, develop a draft work plan and recommend possible initial members of the Task Groups.
- At 24 March SWG meeting, discuss:
 - The proposed draft work plan for two Task Groups
 - Desired/appropriate characteristics of the new Task Groups: skill sets, commitment to authoring the strategy, connections to key experts
 - Facilitation
 - Assign action items for SWG members to contact possible initial members to explore their interest/availability
 - Whether to direct the Technical Expert Work Group for Efficacy that met 18 February to further specify priority management activities to be evaluated
- At 28 April SWG meeting, approve the initial Task Group members and formally direct them to implement this work plan.
- Plan first meeting of each Task Group, preferably in early May: Ensure that Task Group members understand their charges. Agree to meeting schedules. Discuss how to participate in the 19 May workshop (per agenda developed by “Task 7 workshop planning subgroup”).
 - Consider holding at least one joint meeting of the two Task Groups.
- All SWG and Task Group members should attend 19 May workshop.

Desired outcomes of the Impacts/Characterization Task Group (Combined Tasks 4.1 and 4.2):

- By 1 November, develop a draft combined “Stormwater Impacts and Characterization Monitoring and Assessment Strategy” that will assess stormwater impacts to beneficial uses, characterize stormwater, and calculate pollutant loadings. The strategy should maximize meeting multiple objectives and will include: hypotheses to be tested, data collection and methods and protocols, laboratory and other data analysis methods, timelines, numbers and locations or other descriptions of sampling sites, expected interpretive reports: types of analyses, frequency, and timing, etc. The Task Group should incorporate peer input and review into the development of the strategy.
- By 7 December, deliver a final strategy to SWG that incorporates comments received on the 1 November draft.

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Desired outcomes of the Efficacy Task Group (Task 4.3):

- By 1 November, develop a draft “Monitoring and Assessment Strategy to Assess Effectiveness of Stormwater Management Actions.” The strategy should maximize meeting multiple objectives and will include: hypotheses to be tested, data collection and methods and protocols, laboratory and other data analysis methods, timelines, numbers and locations or other descriptions of sampling sites, total and itemized budget estimates, etc. The Task Group should incorporate peer input and review into the development of the strategy.
- By 7 December, deliver a final strategy to SWG that incorporates comments received on the 1 November draft.

Tasks and Target Deadlines for *both* Task Groups:

Task Group members are encouraged to attend SWG meetings. At least one Task Group member should be identified to participate in every SWG meeting where the group’s deliverables will be discussed.

1. *Review questions and develop hypotheses. Deliver draft hypotheses to SWG or before 15 June for discussion at the 23 June SWG meeting and approval 28 July*
 - Review the priority assessment questions approved by the SWG members – *preferably before 19 May workshop*
 - Attend 19 May stormwater workshop to hear from attendees.
 - Discuss: what are our questions, how long will it take to get the answer for each question, and what are possible approaches?
 - Develop specific hypotheses to test and explore scientific designs/framework that might test the assessment questions the SWG members identified as high priorities. Decide on hypotheses to test.
2. *Develop a peer review strategy. Deliver a draft Peer Review Strategy to SWG by 15 June for discussion at the 23 June meeting.*
 - Discuss possibilities and benefit or need for various types of review and input at various points in the process (*i.e.*, the questions, the hypotheses, the approaches, the design), and consider benefit versus time required. Propose and coordinate a peer review strategy. The SWG’s goal is to avoid pitfalls by providing early and frequent opportunities for input.
 - SWG can assist with targeted national and regional peer review of the plan as it is being developed.
 - SWG also plans to hold an early November workshop to get input on the plan. Planning for this workshop will begin in August.
3. *Propose approach and outline for the monitoring and assessment strategy. Deliver approach and proposed outline on or before 17 August for discussion at the SWG meeting on 25 August and approval 22 September.*
 - Decide on a framework and approach for designing the monitoring plan to test the hypotheses approved by SWG, with sections on information collection, analysis and interpretation, and varying levels of effort as follows: with *x* investment (*i.e.* number of sites/samples) we will get *y* level of certainty in *z* amount of time.
4. *Keep track of your ideas regarding the capacity and lessons learned from other, ongoing efforts. Include any recommendations for implementation as an appendix to your final plan*

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on or before 10 December for SWG to discuss 15 December and deliver to the “Implementation Planning Task Group.”

- As you develop the plan and discuss the relevance of various ongoing efforts, keep a “parking lot” of ideas and information related to implementation, including how to leverage the existing capacity (and perhaps, but not necessarily, the current programs).
 - Keep track of any recommendations for the “Implementation Strategy Task Group” (Work Plan Task 5) that will develop the implementation strategy that the SWG will present to PSP and Ecology in June 2010, *i.e.* schedule for or sequencing of implementation of the monitoring strategy; list of key entities with necessary staff, equipment, and other capabilities; and cost/budgeting information brought into your discussions.
5. *Develop an early draft monitoring and assessment strategy. Deliver a discussion draft plan on or before 19 October for discussion at the SWG meeting on 27 October. All subgroup members should attend this discussion.*
- Identify the types of data and other information to collect.
 - Propose a ballpark number of receiving water, biota, and stormwater sampling sites and a strategy for selecting sites.
 - Issues such as pairing of impacts and characterization sites, nesting of local scale with larger-scale studies, etc. need to be worked out.
 - Determine how long it will take to get an answer for each priority question.
 - Propose an assessment strategy, including analysis and interpretation approaches and methods, for the monitoring data to be collected.
6. *Complete the draft monitoring and assessment strategy. Deliver the final draft plan, including peer review findings, on or before 1 November for discussion at the early November workshop and the 17 November SWG meeting. Deliver revised final plan on or before 7 December for discussion and approval 15 December.*
- The final draft plan will include: the types of data to collect and parameters to analyze, sampling methods and protocols, number of receiving water, biota, and stormwater sampling sites needed, strategy and criteria for selecting sites, data management needs including reporting methods and protocols, laboratory and other data analysis methods.
 - Link to the Monitoring Consortium’s pilot projects:
 - Development of Standardized Operating Procedures (SOPs) and Quality Assurance Project Plans (QAPPs) for Stormwater
 - Steam Benthos Gap Analysis, Coordination and Data Management, and
 - Laboratory Inter-Calibration Study
 - Specify the assessment strategy, including analysis and interpretation approaches and methods, for the monitoring data to be collected. This plan should include the number, frequency, and timing of various types of expected interpretive reports and their intended audiences.
 - Make some recommendations as to various levels of effort that could be made depending on resources available.
 - Address suggested changes/edits to the final draft made by SWG members, peer reviewers, and November workshop attendees.