

RSMP Effectiveness Studies Workshop 1

Report-out for Topic Table _____ Bacteria _____

Proposal title (s):

- A. Kitsap Co - Bacteria Data Analysis and Retrofits to Protect North Dyes Inlet
- B. Kitsap Co - Bacteria Data Analysis and Retrofits to Protect North Dyes Inlet
- C. Kitsap Co - Manchester Small Shoreline Community Stormwater Retrofit

Management action to test: Bacterial reductions in stormwater, streams and nearshore areas using source controls and BMPs.

Effectiveness will be measured for (a) implementation, or (b) stress reduction, or (c) improving habitat

Summary of feedback given during the Topic Table discussions

Q1: Why are permittees interested in getting this info? How are they going to use it?

(Bullets apply to both projects; letters differentiate between the projects)

- Permittees are very interested in management tools to control bacteria.
- Cost benefit needs to be address for bacteria and management actions
- Permittees want information that helps allocate their \$ to what is working (solutions); rather than to the IDDE requirements
- Want information to help to inform Appendix 2 to amend the TMDL requirements – adaptively manage.

A...Kitsap's 17year data record by source control action and receiving water data is an attractive data set especially to help answer the management questions of cost vs. benefit.

B.... North Dyes Inlet retrofit project is planned and funded – monitoring data will be useful for documenting effectiveness in protecting shellfish growing areas. Drainage area ready for retrofits – more like retrofit topic table – needs money to monitor well and tell success story.

C...Small shoreline communities will likely need custom BMPs for stormwater treatment, especially for shellfish areas. A case study would help provided effectiveness for one BMP treatment train (bioretention cells and scaled up media filter). Manchester proposal provides both flow and contaminants at each BMP in train.

Q2: What are the barriers or obstacles to getting the information, or concerns about its use? Is there anything missing?

March 20, 2014

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- The current TAPE program doesn't allow BMPs to be tested for bacteria removal. This limits permittees assurance in tools available for treatment. The stormwater management manual also is limited on bacteria management actions.

C...Repeatability might be a challenge, as design is specific to this site. Although the BMPs are widely used.

How will you make this proposal regionally relevant and/or informative?

A....The correlations that could be made between the sources of bacteria, the source control activities implemented, and the receiving water quality are relevant to the entire region. Cost and benefit are useful to all stormwater programs.

B and C..... Site specific effort – although a success story is always useful and the price tag for accomplishment is important.

B and C..... Need statistical plan to help figure out the “tipping point” where the density (people, houses, pastures, etc) vs. the density of actions necessary to improve water quality.

Who's participating in expanding this proposal for Workshop 2 on May 6? Who's lead? Who's missing?

A..... Project needs funds and perhaps some statistical assistance, they have the data.

B and C.... Kitsap Co