

RSMP Effectiveness Studies Workshop 1

Report-out for Topic Table ____ Retrofit – (Shoreline, Echo Lake)_____

Proposal title:

- Effectiveness of LID Retrofits for Highway runoff to Echo Lake

Management action to test: Effectiveness of LID built to '05 manual for Hwy 99 stormwater treatment

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

Summary of feedback given during the Topic Table discussions

(pertains to all Retrofit topics)

** some permittees felt retrofits aren't useful to permit modifications and have limited utility for spending \$. They want to know these efforts can somehow inform future permits. This point was debated among permittees at the retrofit table.*

** none of the retrofit projects can combine, and due to timing it doesn't appear that they'd benefit directly from each other's results. There is no standard for how to retrofit. Would be good to fund a couple retrofits so that we can learn faster on what's working and what isn't.*

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

- Permittees liked that this commercial retrofit case example used known BMP designs (not custom) and evaluate effectiveness on a basin scale. Especially for phosphorus.
- It would also help study if this level of effort (density of LID) will improve outfall stormwater quality and receiving water (Echo Lake).

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

- This proposal could be extended to monitor more of the Echo lake nutrient cycling to know if stormwater is the dominant source.
- Estimating flow reductions of the retrofit would help with communicating load reductions of the BMPs

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

- Most permittees have roadside commercial strips draining to sensitive waterbodies. This case example is readily relevant to many basins in Puget Sound area.

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

- King County (lead) and City of Shoreline

March 20, 2014