

Upcoming Meetings

- **Suquamish Citizen Advisory Committee**
February 7, 6:30 p.m.
Suquamish Elementary School Library
18950 Park Avenue NE
Suquamish
- **Indianola Beach Improvement Club**
February 7, 7:30 p.m.
Indianola Clubhouse
19876 Indianola Road NE
Indianola
- **Keyport Improvement Club**
February 11, 7:00 p.m.
Keyport Fire Station
1863 NE Pacific Avenue
Keyport

Learn the Latest: North Kitsap's Green Stormwater Study

Join us for the second series of meetings in your community to learn about the green stormwater retrofit study being conducted in North Kitsap County by Kitsap County Surface and Stormwater Management (SSWM). Since August 2012, the County has been evaluating potential green stormwater solutions for Keyport, Indianola, and Suquamish. The goal is to identify green stormwater solutions to manage and improve the quality of the stormwater entering local waterways and Puget Sound.

In September 2012, community meetings were held in Keyport, Indianola, and Suquamish. Attendees learned about the project's preliminary findings and provided helpful feedback on additional areas for evaluation. SSWM adjusted the study's boundaries based on technical data and community input, such as adding the Keyport Bible Church's property.

Next Steps in Your Community

The project is now moving forward with identifying feasible green stormwater retrofit sites and opportunities. As the study progresses, sites will be narrowed down and prioritized for further design work in 2013. Please attend an upcoming community meeting to learn about the project's progress and share your thoughts on early conceptual designs of green stormwater solutions.

Project Schedule

The year-long study will identify and prioritize green stormwater project sites.

Summer/Fall 2012

Investigate

Select potential retrofit sites

■ Community Meeting Series #1

Fall/Winter 2012

Identify

Prioritize and evaluate retrofit sites

■ Community Meeting Series #2

Winter/Spring 2013

Refine

Develop conceptual designs and costs for identified retrofit sites

■ Community Meeting Series #3

Example Conceptual Designs



Indianola - Indianola Road NE



Keyport - Washington Avenue NE



Suquamish - Brockton Avenue NE

Study Progress

To identify green stormwater solutions, the retrofit study has begun to evaluate which specific locations will most effectively manage stormwater flows. Once the retrofit study's boundaries were determined in the fall of 2012, the study team conducted technical evaluations, detailing key geological and drainage characteristics of each area. The study team also analyzed the potential of each area's soil to effectively infiltrate runoff.

Identifying Feasible Retrofit Sites

Feasible retrofit sites were identified in each community and prioritized based on the following criteria:

- Infiltration potential – soil's effectiveness to drain water
- Impervious surface – amount of impervious area managed by project
- Water quality benefit – ability to treat stormwater and reduce runoff
- Slope – gradient of site, which can impact infiltration rate
- Risk to surrounding environment – proximity to existing wells, steep slopes or cliffs, buildings, or other critical areas
- Available area – amount of space available for project footprint
- Utility coordination – magnitude of conflicts with existing underground utility lines

The study team has identified 76 feasible retrofit project sites throughout the three communities.

Continued Evaluation

Next, the feasible retrofit project sites will be screened and prioritized for further consideration by SSWM. The screening and prioritizing process will consider the previous criteria, as well as neighborhood livability, constructability, ease of maintenance, and community input.

Conceptual Designs

The study team has begun to develop conceptual designs to illustrate potential sites' stormwater management techniques and features. Three early examples (see previous page), one in each community, have been developed to provide a visual representation of how green stormwater solutions can fit with neighborhoods. These examples illustrate roadside rain gardens and permeable pavement for both walkways and parking areas.



A newly-constructed green stormwater project along Division Street, Suquamish, WA.

Why Green Stormwater Solutions?

Green stormwater solutions are a cost-effective and environmentally-friendly alternative to traditional stormwater management techniques. By using natural landscape features to absorb rainwater and keep it close to its source, green stormwater solutions are an efficient way to reduce harmful pollutants and decrease the occurrence of flooding in local neighborhoods.

Other Green Stormwater Projects

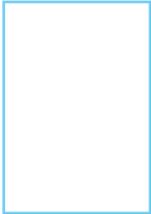
Kitsap County has successfully completed several green stormwater projects. In 2011, pervious concrete parking lots and rain gardens were built at the Silverdale YMCA. Later that year, ten rain gardens were installed in the road right-of way of Central Kitsap's Brookwood Lane, making it the County's first "green" street. In 2012, the County completed the construction of roadside rain gardens in Suquamish. For more information, or to watch a virtual tour of SSWM's green stormwater projects, visit www.kitsapgov.com/sswm.

Want more information?

visit www.kitsapgov.com/sswm
contact Chris May, (360) 337-7295 or cmay@co.kitsap.wa.us



Surface & Stormwater Management Program
 MS-26A
 614 Division St.
 Port Orchard, WA 98366



KITSAP COUNTY CLEAN STORMWATER

Our Community, Our Waterways

*Look inside for how
 to get involved*

KITSAP COUNTY CLEAN STORMWATER

Our Community, Our Waterways



A roadside rain garden on Kitsap County's first "green street," Brookwood Lane.

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All meetings open to the public

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