

# Managing phosphorus export from bioretention systems

Short description: Phosphorus export from organic matter in bioretention soil is a known problem and in many cases limits the location and scope of where bioretention systems can be installed. Addressing this problem involves looking at chemical and physical characteristics of soil mixtures, and potentially other interventions to keep excess nutrients from degrading surface water quality.

Table captain:  
 Scott Kindred and Norah  
 Kates

Entities already working on this: Sally Brown (UW), King County and SPU CSO teams, King County Water and Land stormwater team, Herrera/Curtis Hinman.  
 City of Bellingham/Lake Whatcom Management Program

Keep me in the loop! (write down your info or tape your business card if you want more info)

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Ideas/Insights/Feedback/Comments/Sketches:

[ Bypass! do not overflow ]

City of Bellingham Use Captured nutrients to grow plants!

\* one-system?  
 \* two-part system?  
 (sequential treatment)



\* FILTER treatment system

\* drinking water treatment residuals (WTRs)  
 aluminum and/or iron

Herrera  
 coc. soil and sand (special)  
 Sand filter w/ activated Alum (17%) and some non-UPOST