

## **Stormwater Retrofits for Treating Highway Runoff**

**Carly Greyell** 

King County Water and Land Resources Division



How well a retrofit improved water quality in a typical urban basin:

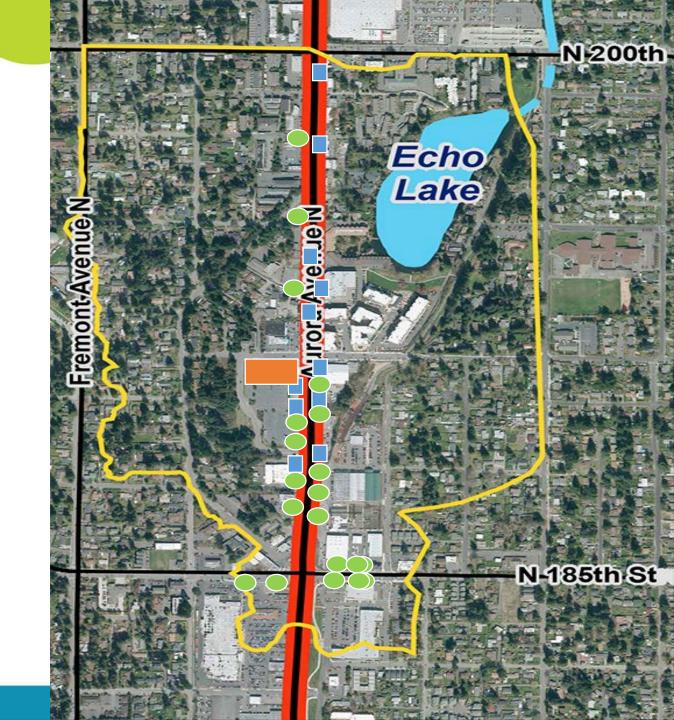
**1. Individual BMPs** 

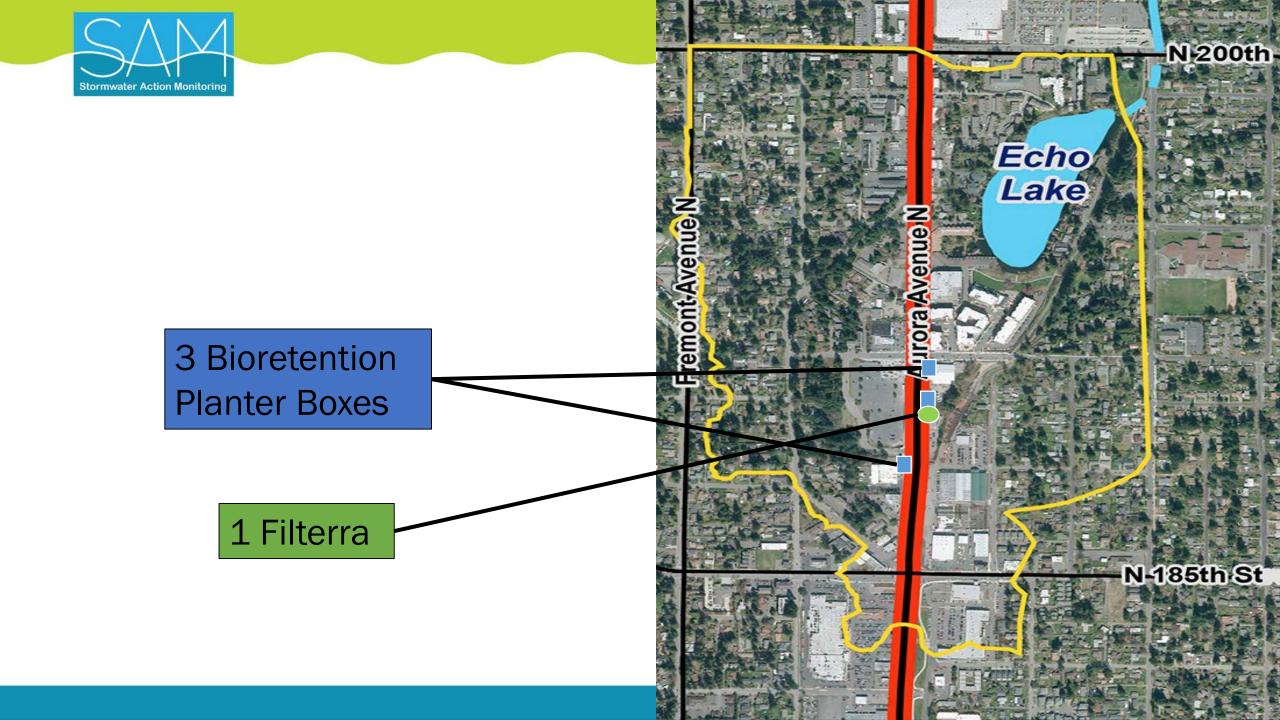
2. Larger stormwater system

A The state

**3.** Receiving water







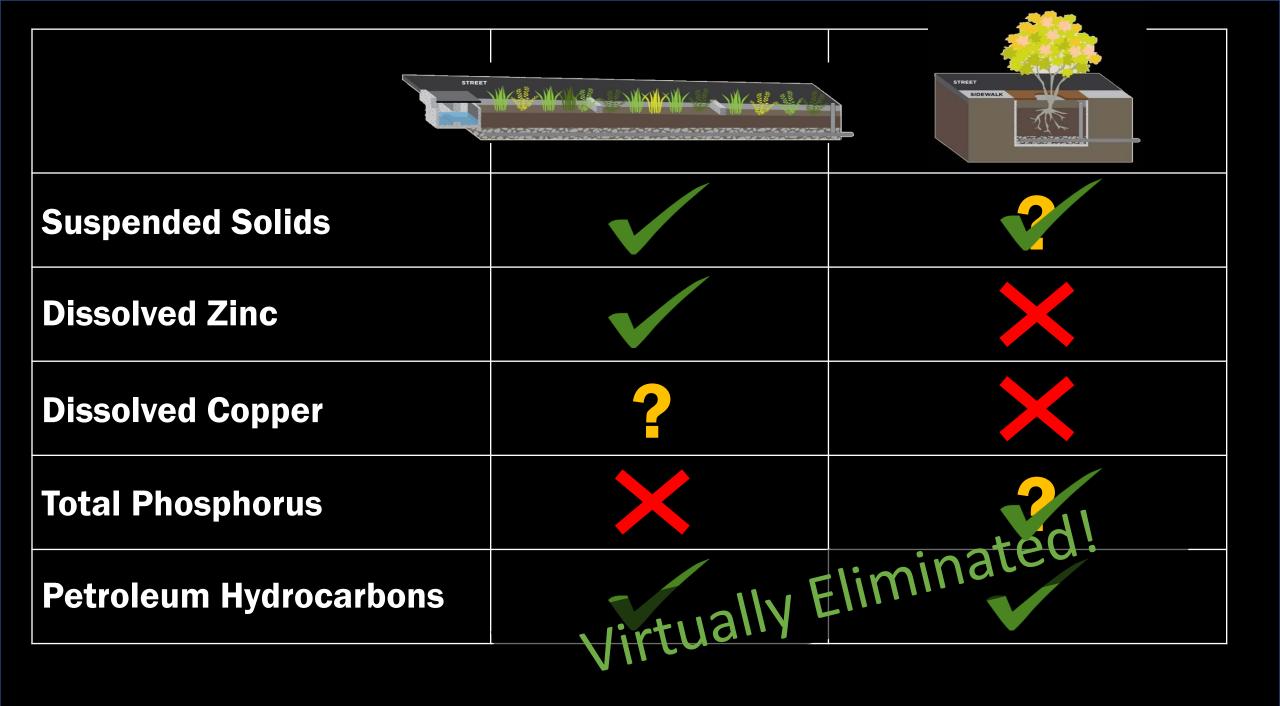


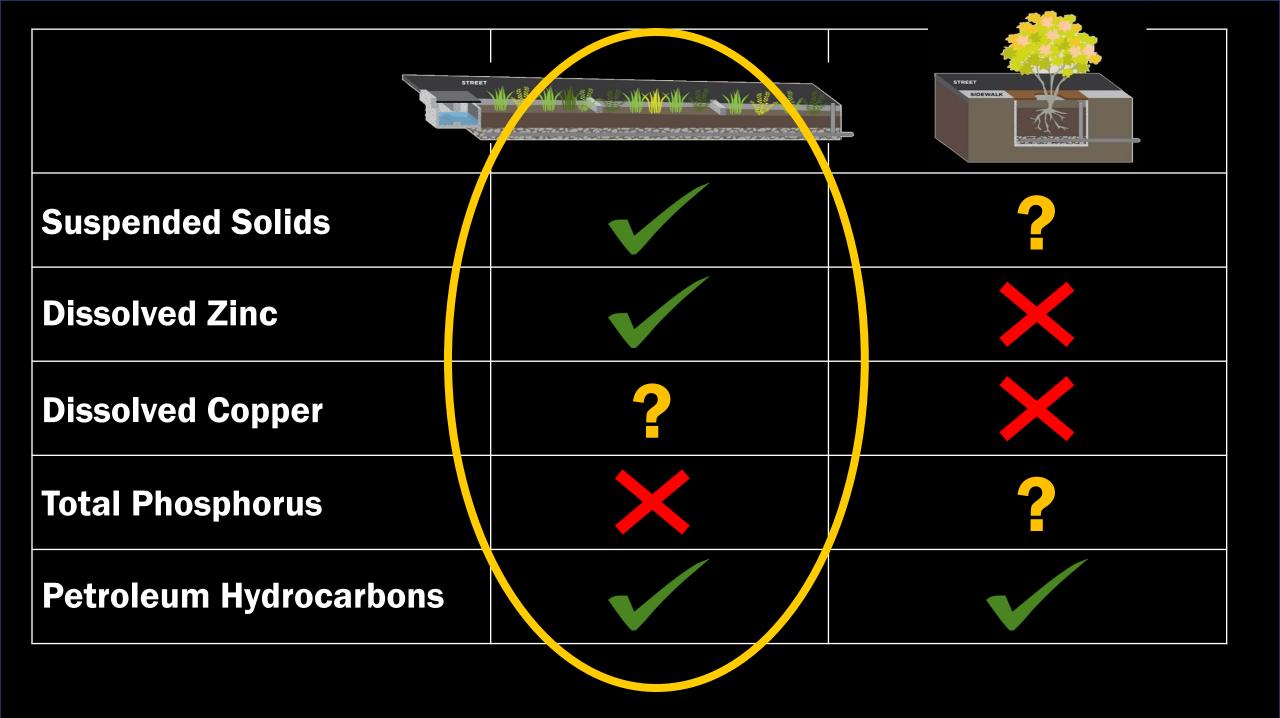




VS







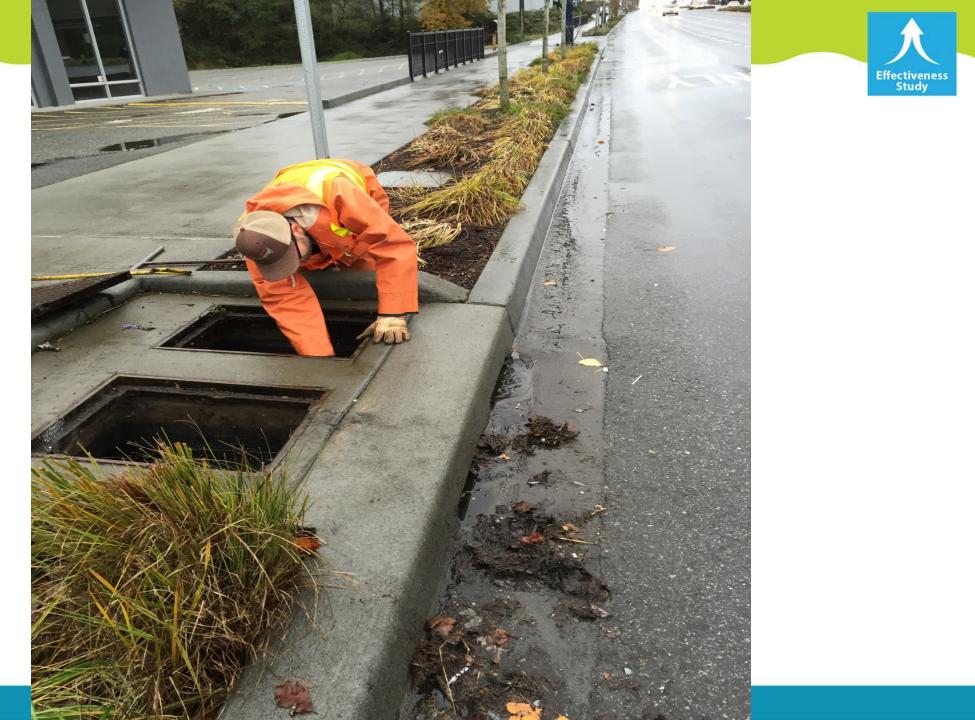


#### **Unexpected Maintenance Issues**













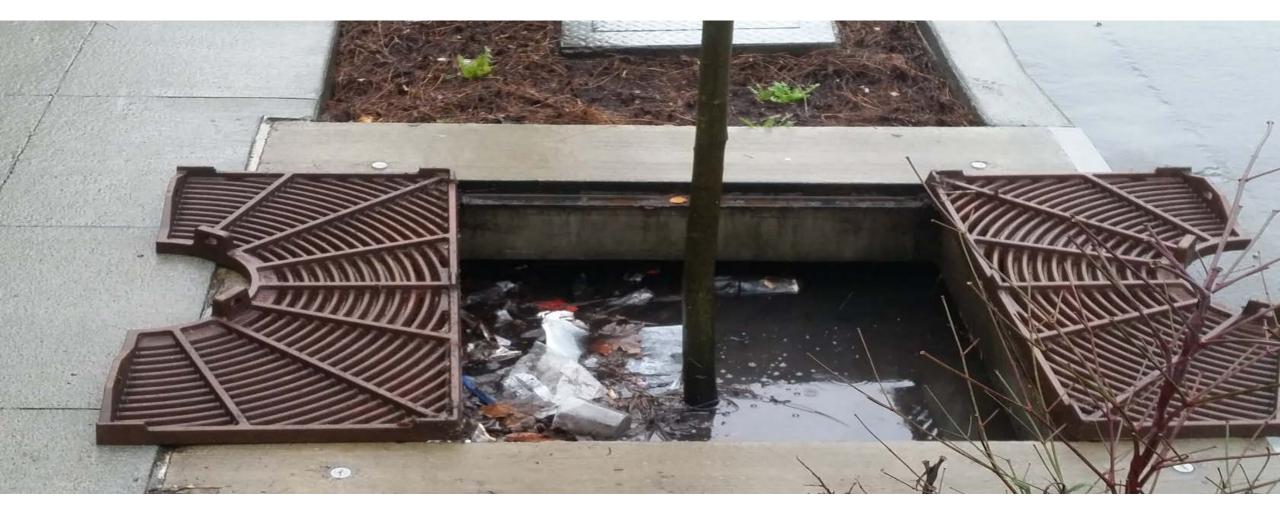
Effectiveness Study



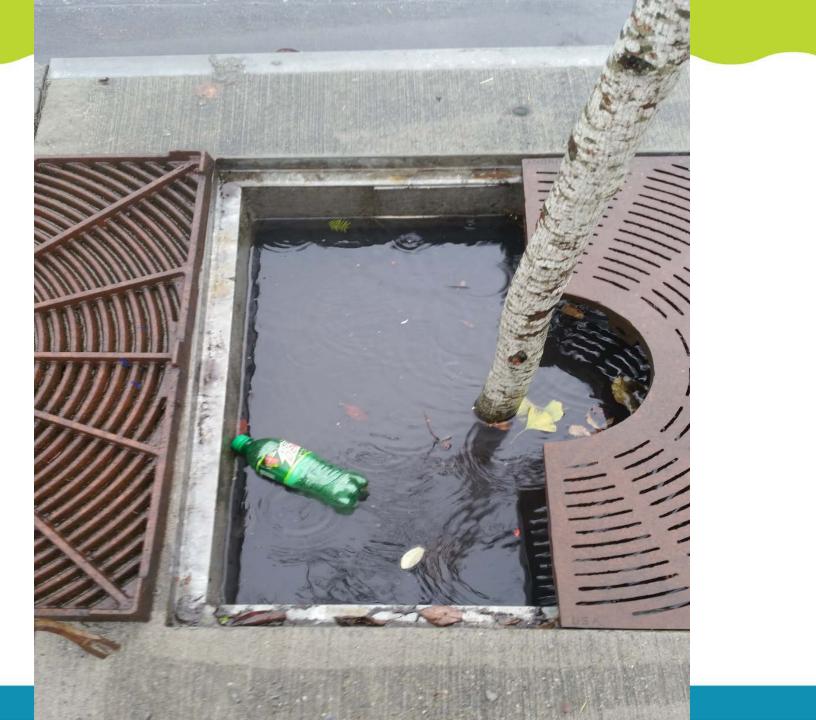
















#### **Bioretention can treat** your stormwater...





# ...but only if the stormwater can get in.



### Acknowledgements

- Brandi Lubliner Ecology RSMP/SAM Coordinator
- Fred Bergdolt Project Liaison (WSDOT)
- KC Environmental Lab Sampling & Analysis
- Pacific Rim Laboratories PCB Analysis
- City of Shoreline Site and Logistical Support
- Jenée Colton Technical and Study Design Support