

## **KING COUNTY STUDIES IN THE SAMMIMISH RIVER CORRIDOR**

### **Wetlands Function Assessment Sammamish River Sub-Basin**

- Conducted from May 2001 to August 2001 to evaluate the current functions of each wetland and gain an understanding of the role each wetland plays in the sub-basin
- Nine wetlands or "assessment units" (AU's): Kenmore Park, Swamp Creek Park (3 AU's); Wildcliffe Shores Condominium complex property, Bothell Wetland #13, Quigley Property, Redhook property, Willows Run Golf Course
- Final draft is due by February

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### **Sammamish River Water and Sediment Quality Assessment**

- Sampling conducted late summer and early fall of 2001
- Water and sediment samples were collected from 10 sites located adjacent to tributaries and potential pollutant sources
- Samples analyzed for metals, organic compounds (including pesticides) and conventional parameters
- Sediment samples also collected to evaluate benthic community structure
- Currently data being analyzed and additional sampling may be conducted as a result of this initial analysis

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### **Sammamish Groundwater Study**

- Work progress evaluation baseline groundwater conditions in the Sammamish River corridor
- Developing a conceptual model of groundwater flow in the valley
- Includes well elevation monitoring and assessment of boundary conditions
- Preliminary MODFLOW model of lower Bear Creek and the upper Sammamish River valley

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### **Stream Habitat Inventories and Assessments**

- Characterize habitat quality for salmonids
- Establish a baseline for future evaluation of trends in habitat quality and watershed function
- Inform the process of prioritizing areas for restoration and preservation
- Currently completing habitat inventories and assessments in the Bear Creek system, data is being collected and analyzed
- Completed, "Habitat Inventory and Assessment of Three Sammamish River Tributaries: North Creek, Swamp Creek and Little Bear Creek"

<ftp://dnr.metrokc.gov/dnr/library/2001/kcr/NorthTribReport.pdf>

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