

**City-Wide Leadership Roles**

- **National Pollutant Discharge Elimination System (NPDES) Municipal Stormwater Permit**
  - Coordinate a City-wide organizational structure
  - Implement program and projects associated with the Utilities Department’s implementation responsibilities
- **Salmon Recovery**
  - Participating in regional planning efforts
  - Lead City efforts for Endangered Species Act response and planning

**Lakes Washington/Sammamish**

**Water Quality**

- City watershed-based water quality programs/NPDES
- Illicit discharge detection and elimination
  - Spill response
  - Outreach/education on non-point pollution
  - Construction management requirements
  - Development standards
  - Operations and maintenance (treatment and flow control facilities)
  - Private system inspection/maintenance (treatment and flow control)
  - Pollution prevention plans for public facilities
- Regional Planning—Lake Washington and Sammamish Forums (1995 to 1999) Regional needs assessment process for water quality, flooding, and fisheries issues. The Sammamish Forum was combined into the Lake Washington/Cedar/Sammamish Forum, focused on Chinook salmon recovery.
- Regional agreement for phosphorus control (Lake Sammamish jurisdictions)
  - Instituted local regulations on erosion control limits
  - Partnered on Lakemont treatment facility
  - Conducted outreach and education

**Flooding**

- Emergency response for structural flooding
- New/redevelopment flow control (watershed based)
- Monitoring (Lake Sammamish)
- Floodplain management regulations

**Habitat/Shorelines**

- Shoreline vegetation and condition
  - Homeowner native plant and shoreline vegetation workshops and technical assistance (Lake Sammamish)
  - Mercer Slough revegetation volunteer projects
  - Technical assistance and outreach for shoreline vegetation templates
  - Outreach and volunteer efforts for salmon and aquatic habitat (Mercer Slough)
  - Initiator and technical assistance for shoreline armoring GPS inventory

- Sockeye studies (Lake Washington jurisdictions)
  - Funding for research and technical studies
  - Staff support for technical committees and reporting
- Chinook salmon recovery (WRIA 8 jurisdictions)
  - Implemented local 4(d) rule for roads maintenance
  - Developed and adopted recovery plan, including capital projects
- Kokanee recovery (Lake Sammamish jurisdictions)
  - Contributed funding and staff for status report
  - Staff support for technical, management, and workgroup committees
  - Funding for hatchery incubation project

***Small Lakes (Bellevue, Phantom, Larsen)***

**Water Quality**

- Watershed-based water quality programs/NPDES
  - Illicit discharge detection and elimination
  - Spill response
  - Outreach/education on non-point pollution
  - Construction management requirements
  - Development standards
  - Operations and maintenance (treatment and flow control facilities)
  - Private system inspection/maintenance (treatment and flow control)
  - Pollution prevention plans for public facilities
- Capital projects—Installed water quality facilities/BMPs (for Phantom/Larsen Lakes over \$2 million spent)
- Facilitated resolution of private and private/public disputes
- Provided technical support
- Monitoring (Phantom/Larsen Lakes)
- Capital projects—Ecology grants project examples

**Flooding**

- Emergency response for structural flooding
- New/redevelopment flow control (watershed based)
- Floodplain management regulations

**Habitat**

- Watershed-level educational programs

***Streams***

**Water Quality**

- Watershed-based water quality programs/NPDES
  - Illicit discharge detection and elimination
  - Spill response
  - Outreach/education on non-point pollution

- Construction management requirements
- Development standards
- Operations and maintenance (treatment and flow control facilities)
- Private system inspection/maintenance (treatment and flow control)
- Pollution prevention plans for public facilities
- Monitoring (water chemistry [periodic], environmental indicators)
- Water quality facilities, sediment ponds (public), stability facilities (weirs, armoring)—  
construction, operations, maintenance
- Capital projects (e.g., 2010 Kelsey Creek bank stabilization, 2005 to 2010 Coal Creek  
bank stabilization and sediment pond; over \$1,600,000 spent)

**Flooding**

- Emergency response for structural flooding
- New/redevelopment flow control (watershed based)
- Regional detention facilities—maintenance, operations
- Floodplain management regulations
- Capital projects (e.g., East Creek at Kamber Road culvert replacement; over \$1,500,000  
spent)

**Habitat**

- Capital projects (public lands)
  - Fish passage (required by law)
  - Stream stability and habitat for water quality and salmon, e.g., 1995 Kelsey  
Creek channel stabilization, 2006 Richards Creek habitat improvements  
at Kamber Road; over \$700,000 spent
  - Basin-scale knotweed/invasive weed management; upstream of capital projects

**Monitoring**

- City-wide stream assessment
- 1996 to 1997 habitat (Kelsey, Valley, Richards, Coal, Newport Tributary)
- Macroinvertebrates
- Summer resident fish
- Salmon spawning
- Technical assistance for remote sensing (impervious surface, vegetation)

**Planning**

- Local basin plans
- Inter-local plans (Coal Creek)
- Endangered Species Act (Chinook, bull trout, kokanee)
  - City lead for programmatic, capital, education, monitoring
- Volunteer restoration activities
- Education and outreach— general public, riparian property owners, schools
- Technical assistance—Parks, Transportation, Planning and Community Development,  
Development Services, City Manager’s Office Departments

Technical assistance—streamside private property owners, native plants/erosion/code compliance

**Wetlands**

**Water Quality**

Watershed-based water quality programs/NPDES  
Illicit discharge detection and elimination  
Spill response  
Outreach/education on non-point pollution  
Construction management requirements  
Development standards  
Operations and maintenance (treatment and flow control facilities)  
Private system inspection/maintenance (treatment and flow control)  
Pollution prevention plans for public facilities

**Flooding**

New/redevelopment flow control (watershed based)  
Floodplain management regulations

**Habitat**

Native plant revegetation; general outreach and education  
Native plant revegetation; private homeowner technical assistance

**Property Owner**

Invasive weeds management, riparian corridor improvements, etc.