APPENDIX A. OVERVIEW OF CURRENT UTILITIES ACTIVITIES IN AQUATIC HABITAT

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.