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 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.