

Table 2.3 Gaps in Existing Water Quality Efforts for Temperature

Temperature Gaps	Potential Solutions
Streamside vegetation unprotected	<ul style="list-style-type: none"> ▪ Provide technical assistance to landowners along waterways ▪ Demonstrate riparian area, wetland, and floodplain BMPs on publicly managed land ▪ Adopt a riparian buffer ordinance or overlay zone ▪ Educate landowners about the value of riparian areas ▪ Initiate a tree planting program along waterways
High priority riparian areas unidentified	<ul style="list-style-type: none"> ▪ Determine areas that will yield a large benefit if protected or restored ▪ Establish framework to identify critical riparian areas ▪ Determine the feasibility of acquiring critical lands

Table 2.4 Gaps in Existing Water Quality Efforts for Bacteria

Bacteria Gaps	Potential Solutions
Proper animal waste management	<ul style="list-style-type: none"> ▪ Provide bags for pet owners to pick-up after pets ▪ Partnerships with watershed councils and others ▪ Erect signs to inform pet owners of the problems related to pet waste ▪ Develop educational materials about proper manure management ▪ Implement programs to better manage waste in areas with high concentrations of wildlife ▪ Adopt a pet waste ordinance
Erosion prevention and sediment control at new construction sites	<ul style="list-style-type: none"> ▪ Adopt erosion prevention and sediment control regulations for new construction under 1 acre ▪ Provide information to builders about the 1200 C Permit Program and encourage builders to comply ▪ Provide incentives to developers who meet certain erosion control qualifications ▪ Implement site plan review procedures that includes requirements for erosion control mechanisms ▪ Establish site inspection and monitoring procedures
Lack of a process to inventory, monitor, and correct failing septic systems	<ul style="list-style-type: none"> ▪ Offer assistance for homeowners to replace a failing or outdated system ▪ Use building records to identify systems that may be outdated and more likely to fail ▪ Educate homeowners on proper septic maintenance and inspection
Programs to detect and eliminate contaminant discharges into waterways	<ul style="list-style-type: none"> ▪ Promote proper waste management through education ▪ Develop a stormwater system map ▪ Increase fines for illegal dumping ▪ Establish a illegal dumping control program ▪ Educate citizens about waste disposal opportunities and the hazards of improper waste disposal ▪ Develop a process to respond to and document complaints of illegal discharge ▪ Implement a street sweeping program
Lack of multi-objective stormwater plans	<ul style="list-style-type: none"> ▪ Develop a stormwater system map and plan ▪ Regional stormwater map and/or plan ▪ Develop and implement operations and maintenance procedures using best management practices ▪ Integrate water quality protection and natural resource considerations in existing plans
Lack of stormwater detention facilities and incentives to encourage their construction	<ul style="list-style-type: none"> ▪ Use an ordinance or other regulatory mechanism to address runoff from new construction projects ▪ Establish maintenance program for all stormwater features ▪ Adopt water quality standards for public works projects ▪ Provide incentives to landowners that construct on-site stormwater detention/treatment facilities ▪ Encourage stormwater features on existing open space or landscaped areas through a retrofit incentive program
Lack of process to notify public of high bacteria levels	<ul style="list-style-type: none"> ▪ Distribute educational materials ▪ Establish a program to notify residents when high bacteria levels are present

Table 2.5 Gaps in Existing Water Quality Efforts for Mercury

Mercury Gaps	Potential Solutions
Erosion prevention and sediment control regulations for new construction	<ul style="list-style-type: none"> ▪ Adopt erosion prevention and sediment control guidelines for new construction ▪ Adopt erosion prevention and sediment control regulations for new construction under 1 acre ▪ Provide information to builders about the 1200 C Permit Program and encourage builders to comply ▪ Provide incentives to developers who meet certain erosion control qualifications ▪ Implement site plan review procedures that includes requirements for erosion control mechanisms ▪ Establish site inspection and monitoring procedures
Programs to work with dentists and recycle fluorescent light bulbs	<ul style="list-style-type: none"> ▪ Contact jurisdictions with established mercury reduction programs ▪ Implement programs modeled after existing programs
Process to notify citizens of fish consumption advisories	<ul style="list-style-type: none"> ▪ Distribute educational materials on fish consumption advisories ▪ Put up signs when fish consumption advisories are issued
Lack of stormwater detention facilities and incentives to encourage their construction	<ul style="list-style-type: none"> ▪ Use an ordinance or other regulatory mechanism to address runoff from new construction projects ▪ Establish maintenance program for all stormwater features ▪ Adopt water quality standards for public works projects ▪ Provide incentives to landowners that construct on-site stormwater detention facilities ▪ Encourage stormwater features on existing open space or landscaped areas through a retrofit incentive program

Table 2.6 Gaps in Existing Water Quality Efforts and Potential Multi-jurisdictional Solutions for All Pollutants

Gaps for All Pollutants	Potential Solutions
Outreach and Education	<ul style="list-style-type: none"> ▪ Develop an education program (newsletter, website, events, etc.) about the impacts citizens can have on water quality and steps the public can take to reduce pollutant contributions ▪
Monitoring capacity	<ul style="list-style-type: none"> ▪ Partner with watershed councils and to establish a region-wide monitoring program
Enforcement capacity	<ul style="list-style-type: none"> ▪ Encourage a 'Neighborhood Watch'-type program for water quality violations
Taking advantage of non-point source grant opportunities	<ul style="list-style-type: none"> ▪ Working with watershed councils, LCOG or others, establish an inventory of non-point source grant opportunities ▪ Apply collectively for funding for region-wide projects and protection mechanism implementation
Regional water quality coordination	<ul style="list-style-type: none"> ▪ Use Source Water Assessments to target contaminant sources ▪ Partnerships with OSU Extension Service, watershed councils, other jurisdictions, LCOG, and others ▪ Region-wide stormwater map and/or plan ▪ Regional drinking water protection effort ▪ Regional pollution prevention team ▪ Regional Mercury Reduction Strategy ▪ Provide free hazardous waste disposal and advertise existing programs
Public employee pollution prevention training programs	<ul style="list-style-type: none"> ▪ Regional public works BMP-sharing network ▪ Train parks and public works employees about maintenance practices for water quality improvements ▪ Use training materials from EPA and DEQ in existing training programs ▪ Regional training sessions
Promotion of water quality efforts	<ul style="list-style-type: none"> ▪ Advertise successes in local media ▪ Build interpretive displays near water quality projects
Incentives/regulations for stormwater features in new development	<ul style="list-style-type: none"> ▪ Adopt an ordinance requiring stormwater detention and treatment in new developments ▪ Encourage stormwater features on existing open space or landscaped areas through a retrofit incentive program

