Pollutant	Department	Source	Management Strategy	Implementation Measures	Implementation Resources	Progress Measures	Timeline	Milestone	Status
		Failing septic systems	Ensure repair of failing systems.	Respond to reports of failing systems     Work with homeowner to set a timeline for repair     Use existing enforcement methods to gain compliance	Currently funded in budget	Track #s using complaint and permit databases	Ongoing	N/A	Complete Since the implementation of the TMDL Plan, 276 repair permits have been issued. 98 complaints have been received regarding failing septic systems. 74 of these complaints have been resolved, 24 are pending.
			Low cost loan program for septic system and household repairs implemented by Willamette Neighborhood Housing	Provide information to homeowners about the program	Currently funded via grant funds	Obtain data from Willamette Neighborhood Housing to track the number of systems repaired using this program	Ongoing	N/A	Appendix A Numbers not obtained for 2010-2015, but will be tracked during the next 5 year period
Bacteria	Environmental Health	Educa homed system and ho	Educate homeowners about system maintenance and how to detect failures.	Provide written material with CSC     Visit installed SF sites to assess O&M status	* needed for printing costs     *. Site visits contingent on intern availability	Track #s mailed     Track site visits     log data	Begin at adoption of TMDL plan, then ongoing	N/A	Complete 612 CSC's issued since plan implementation. For every CSC issued, written information on septic system maintenance is provided, or the system is part of our ongoing Operations and Maintenance Program.
Bac	Environm		Ensure that selected residential and commercial systems are properly maintained.	Provide annual inspection or certification review for holding tanks, ATTs, sand and gravel filters, and low pressure distribution systems.	Currently funded in budget	Track inspections, certification reviews and compliance actions in database	Ongoing	N/A	Complete We annually review O&M reports of all systems in this program; currently, as of November 2015, there are 274 such systems being reviewed in Linn County.
			Identify legacy septic systems (those which predate permit records) within urban growth boundaries and rural community centers. Encourage cities to do the same within city limits.		needed for EH and GIS staff.     Grant funds needed for public facilities expansion and improvements	based on risk. Map UGBs of largest cities first, count maps produced and delivered. Document	Begin at adoption of TMDL plan, then ongoing; one large city per year, then multiple smaller cities each subsequent year, followed by rural community centers; complete in 5 yrs.	Convey map results to cities; offer to meet with city staff and other decision makers to discuss findings.	Incomplete Initial discussion and map review completed for areas within City of Albany.
		Unidentified non- point sources	Participate in collaborative efforts with DEQ, ODA, cities, and allied agencies to discover unidentified non-point sources of bacterial contaminants	Respond to citizen complaints     Contact agencies with shared jurisdiction     Develop joint action plans	Not currently funded in budget; larger projects may require grant funding	Lead agency will track each complaint and document response efforts and results.	Ongoing as complaints are received	Develop joint response plan within 6 months of complaint validation.	developed for Truax and

Pollutant	Department	Source	Management Strategy	Implementation Measures	Implementation Resources	Progress Measures	Timeline	Milestone	Status
		Public Parks	Monitor on-site waste water system in all public facilities	Annual inspection & reporting of system status      Work with other public agencies to design an on site system to treat RV	· Existing budget	Compliance with allowable waste strength limits through annual testing	Ongoing	Current, annual reporting to DEQ under WPCF permits	Complete/Ongoing
			Qualify as clean marina criteria	waste Install marina waste system at Edgewater	Grants		Ongoing		Incomplete
	Planning & Building		Limit and control pet waste	In parks with high visitation construct pet-off leash areas where pet waste can be easily cleaned up.  Educate public through signage about cleaning up after pets.	Existing budget	Reduction in staff time necessary for cleanup.	Ongoing	Sign in all park facilities	Incomplete
				Provide floating restrooms on water ways and pump out stations at boat ramps	Grants	Increase number of people using waste facilities			Complete/Ongoing
Bacteria Cont.				Provide fish cleaning	Existing budget and grants, volunteers and agency partnering	Increase number of stations			Incomplete/Ongoing
Bacter			Use Porta potties in parks during special events and at parks that do not have permanent restrooms	Rent porta potties from local company for parks that do not have Restrooms	Existing Budget	Number od Porta potties	Ongoing	Required and ongoing	Appendix A
				Require private parties holding special events to provide porta potties appropriate for the event size					
		Stormwater from Residential, Commercial, and Industrial Development	Collect and treat stormwater with infiltration, filtration, and detention on-site	Require 1200C Permits for development disturbing one acre or more.	Existing budgets and development permit review.	Monitor permits and compliance with permit requirements.	Ongoing	N/A	Complete Ongoing implementation of development permit requirements
				Require erosion control permits for development on steep slopes.	Existing budgets and development permit review.	Monitor permits and compliance with permit requirements.	Ongoing	N/A	Complete Eight erosion control permits issued in last five years.
				Monitor permits issued within overlay districts such as the Willamette River Greenway and aggregate resource overlays.	Existing budgets and development permit review.	Monitor permits and compliance with permit requirements.	Ongoing	N/A	Complete Ongoing implementation of development permit requirements

Pollutant	Department	Source	Management Strategy	Implementation Measures	Implementation Resources	Progress Measures	Timeline	Milestone	Status
	Planning & Building Continued	Stormwater from Residential, Commercial, and Industrial Development Continued	Collect and treat stormwater with infiltration, filtration, and detention on-site continued	Promote erosion and stormwater BMP training and educational materials for County employees, contractors and property owners.		Development of educational materials and handouts.	N/A	Handouts provided during permitting process	Not Implemented Pending funding
					Partially funded; Existing staffing	Publication of links to educational materials and TMDL Plan on County website.	N/A	Publication of links to educational materials and TMDL Plan on County website.	Not Implemented Pending development of educational materials and completion of TMDL Plan.
			Ensure Land Development Code compliance with State stormwater regulations.	Amend Land Development Codes as necessary to comply with DLCD and DEQ regulations.	Not funded	Monitor DLCD and DEQ rules affecting erosion control and stormwater runoff.	Ongoing	N/A	Not Implemented Pending funding
ont.			Ensure that all permitted development is properly connected to an approved method of sewage disposal as needed.	development permit sign-off with	Existing budgets and development permit review.	Plumbing permits issued	Ongoing	N/A	Complete Ongoing implementation of development permit requirements; 999 plumbing permits issued in last six years.
Bacteria Cont.	Roads	Ditches and Storm Water Facilities	Sources of bacteria from Agricultural Activities under the jurisdiction of the South Santiam Agricultural Water Quality Management Area (TMDL, Oregon Department of Agriculture).	Compliants sent to the road department are forwarded to the Oregon Department of Agriculture and Linn County Environmental Health Department	Not Applicable	Compliants sent to the road department are forwarded to the Oregon Department of Agriculture and Linn County Environmental Health Department	Ongoing	Not applicable	Complete
		Ditches and Storm Water Facilities Continued	Sources of bacterial from residential and domestic activities are under the jurisdication of Linn County Health Department	Any sources of bacterial contaminants along the roadside seen during road maintenance activities are report to Oregon department of Agriculture and Linn County Health Department		Any sources of bacterial contaminants along the roadside seen during road maintenance activities are report to Oregon department of Agriculture and Linn County Health Department			Complete
		Roadside Camping	Eliminate Roadside Camping in Quartzville Corridor	Addition of 3 roadside parking areas with Restrooms	2016-2017	Completion of project and Roadside Camping Ban	Complete by November 2017	Complete improvements and Ban	Incomplete In Design for construction in 2016. Ban presently enforced
		Illicit Discharges	Implement and Enforce existing County, State and Federal Regulations	Educate County Employees, establish reporting and response procedure	In existing budgets	Ongoing	Ongoing	Ongoing	Table B

Pollutant	Department	Source	Management Strategy	Implementation Measures	Implementation Resources	Progress Measures	Timeline	Milestone	Status
	Environmental Health	Household Hazardous Waste (HHW) and Conditionally Exempt Small Quantity Generations (CESQGs)	Provide user-friendly disposal options for HHW and CESQGs	1 2 1 1 2	DEQ solid waste grants, current budget, and rate base	To the extent possible, measure participation rates for dental offices and quantities of fluorescent tubes, and switches received	Begin with implementation of HHW plan (est. CY 2009), then ongoing.	Look for growth in amounts of Hg containing wastes disposed.	Complete Final draft of HHW plan is distributed for comments.
	Environ			Develop local initiatives that build upon DEQ's existing statewide HHW/CEG program efforts     Use DEQ ed/promo materials		Consider survey of CEGs to gauge awareness, use and convenience of Hg disposal options.			
	Parks	Public Facility Construction	Use BMP's to limit runoff contaminates	Where appropriate use silt fences, hay bales, and other silt containment devices.	Existing budget	Monitor water during construction for silt plumes	Ongoing		Complete/Ongoing
<u> Z</u>			Work with Marine Patrol on signage	Limit speed around boating facilities					
Mercury				Provide signage an brochures at boat ramps		Signage present	Ongoing		Complete/Ongoing
		Cars/Mass Transportation	Promote carpooling, public transportation as a strategy to	Collect extra vehicle fees at all campgrounds	Funded	Fee presently enacted	Ongoing		Complete/Ongoing
			Provide carpooling transportation		Cooporation with Linn County public transportation for bus that runs to campgrounds and major trailheads for minimal fee	Ongoing			
	Planning & Building	Erosion from residential, commercial and industrial development	Limit erosion and mitigate the impacts of land disturbance on water quality.	Limit land disturbance activities; implement the Linn County Fill and Excavation Code; monitor 1200C permitting; and use BMPs for fill and excavation activities.	Existing budgets and development permit review.	Require fill and excavation permits pursuant to Linn County Code; report numbers of fill and excavation permits issued; refer developments disturbing one acre or more to DEQ to ensure compliance with 1200C	Ongoing	N/A	Complete Ongoing implementation of development permit requirements; 36 fill and excavation permits issued between Jan. 1, 2010 and Dec. 31, 2014.

Pollutant	Department	Source	Management Strategy	Implementation Measures	Implementation Resources	Progress Measures	Timeline	Milestone	Status
Mercury Continued	Roads	Mercury is not present in Linn County Rural Roads, Mercury is not present above TMDL for Linn County Tributaries, Streams and Rivers as provided by ODEQ data. Mercury should not be on the TMDL for	Sources of Mercury (if any) from Agricultural Activities under the jurisdiction of the South Santiam Agricultural Water Quality Management Area (TMDL, Oregon Department of Agriculture).	Compliants sent to the road department are forwarded to the Oregon Department of Agriculture and Linn County Environmental Health Department and ODEQ	Not Applicable	Compliants sent to the road department are forwarded to the Oregon Department of Agriculture and Linn County Environmental Health Department, and ODEQ	Ongoing	Not applicable	Complete
		Linn County	Sources of mercury from residential and domestic and commercial activities are under the jurisdication of Linn County Health Department and ODEQ	Following Established BMP Manual adopted by Road Department	Covered under Road Maintenance Budget and Capital Improvement Plan Budget	Erosion and Sediment Control Plans and Monitoring Reports are prepared and followed for road maintenance and projects.		For control of sediments (which may impact any Hg if it were present), BMPs are developed and integrated into Road Department operations	Complete Linn County Roads maintains, and constructs new roads and bridges following established BMPs
		Soils and Other Unknown	Update and Improve strategy	Obtain copy of monitoring and sampling of Linn County rivers from ODEQ and update strategy	Ongoing	Ongoing	Ongoing		Incomplete
	Parks	Public Facility Design	Design Facilities to limit impacts on water ways	Provide adequate buffer areas to water ways.     Slope facilities to avoid direct unfiltered runoff.     Utilize available	Grants		Ongoing/New construction and renovations	Meet or exceed permit requirements.	Complete/Ongoing
		Fertilizer and	Reduce dependency	technologies such porous asphalt and concrete.	Existing budget and	Decrease in the	Annual monitoring of	Eliminated or	Complete
Temperature		pesticides	pesticides in landscape areas	fertilizers and pesticides.  - Use alternative forms of weed control such as mechanical removal.	grants	amount of fertilizer and pesticides applied	purchases and applications.	decreased use of pesticides	Complete
۲	Planning & Building	Solar radiation input due to loss of riparian shading	Protect riparian and wetland areas and buffers from vegetation loss.	Implement existing Comprehensive Plan and Land Development Code provisions for riparian and wetland protection.	Existing budgets and development permit review.	Ensure compliance with LCC Chapter 934 Riparian and Wetland Setback Requirements	Ongoing	Monitor building permit compliance with development code standards	Complete Ongoing implementation of development standards
				Support and partner with watershed councils on waterway improvement projects.	Not funded	Review and approve watershed improvement project land use compatibility statements.	Ongoing	N/A	Complete Maintain county partnerships with watershed councils.

Pollutant	Department	Source	Management Strategy	Implementation Measures	Implementation Resources	Progress Measures	Timeline	Milestone	Status
	Planning & Building Cont.	point sources	Protect riparian and wetland areas and buffers from vegetation loss.	Implement existing Comprehensive Plan and Land Development Code provisions for riparian and wetland protection.	Existing budgets and development permit review.	Ensure compliance with LCC Chapter 934 Riparian and Wetland Setback Requirements	Ongoing	Monitor building permit compliance with development code standards	<b>Complete</b> Ongoing implementation of development standards
pa		Sources of Temperature are primarily from Agricultural Activities (irrigation and flow and stream side habitat) under the jurisdiction of the South Santiam Agricultural Water Quality Management Area (TMDL, Oregon Department of Agriculture).	improvement projects	Maintain vegetation and trees near streams and rivers when possible regarding road maintenance and improvement projects	Covered under Road Maintenance Budget and Capital Improvement Plan Budget	the amount of shaded are is so small compared to water bodies.	BMPs have been developed and integrated into Road Department operations and are ongoing	BMPs have been developed and integrated into Road Department operations	Complete/Ongoing Linn County Roads maintains, and constructs new roads and bridges following established BMPs
Temperature Continued	S	Riparian Preservation and Enhancement	Develop, design, fund and construct restorations	Partnerships with Watershed Councils, Soil and Water Conservation District, and Linn County Improvement Projects	Covered under County Engineer Program and Road Maintenance Budget and Capital Improvement Plan Budget	Actual Projects Completed	Complete funded projects in 2015 to 2020 period. Develop and obtain additional funding for improvements for 2020+	~6 projects completed in 2010 to 2015	Table B
Тетре	Roads	Riparian Preservation and Enhancement	Stormwater Conveyance Systems Map	Linn County GIS Ella Maps	Ongoing	Ongoing	Ongoing	Implemented prior to 2015	Table B
		Riparian Preservation and Enhancement	Riparian Vegetation Inventory	Linn County GIS Ella Maps	Ongoing	Ongoing	Ongoing	Implemented prior to 2015	Table B
			Post Construction Ordinance and Plan for meeting predevelopment hydraulogy	Linn County Drainage and Flood Code and Program. Linn County Access, Development and Driveway Review for Stormwater and Riparian buffer	Ongoing	Ongoing	Ongoing	Implemented prior to 2015	Table B
		Riparian Preservation and Enhancement	Educational Outreach	In partnership with Watershed Councils and Soil Conservation District and South Santiam Area Management Program as well as for Separate Linn County Projects	Ongoing	Ongoing	Ongoing	Implemented prior to 2015	Table B