

Subbasin: North Santiam Lower and Middle Portion

#	PARAMETER(S) POLLUTANT	SOURCE	MANAGEMENT STRATEGY	HOW	MEASURE	TIMELINE	BENCHMARK	FUNDING	STATUS
#	What pollutants did the TMDL address?	What sources are under your jurisdiction?	What is being done?	How will this be done?	What is the deliverable?	Start? End? Ongoing?	Mid-term goals? Progress?	How will this be paid for?	This Year
1	Bacteria, Mercury, Temperature	Erosion of sediments due to construction and development; Removal of riparian vegetation	Education and outreach for protection of surface and drinking water.	Public education and outreach.	1. Placement date of most current TMDL Plan matrix on City webpage. 2. Number of times electronic reader board updated 3. Number of flyers distributed	Ongoing annual requirement	1. Update City website to include most current TMDL Plan Matrix. 2. Update reader board 2 times per year to reflect water quality message 3. Distribute or post flyers on web and city board	Funding included in basic operational costs.	
2	Bacteria, Mercury	Erosion of sediments due to industrial and residential construction and development	Coordinate permit acquisition with Linn County and developers for >=1 acre	Construction site stormwater runoff	Number of 1200-C permits issued for >=1acre	Ongoing city business	Provide DEQ 1200-C Permit information to Linn County, developers or homeowners as appropriate.	Ongoing city business	
3	Bacteria, Mercury	Erosion of sediments due to excess flow from new and redevelopment	Install detention ponds and catch basins in new developments to control excess flow from run-off (ongoing).	Post construction for new and redevelopment	Confirm new development and redevelopment does not cause flooding or excess flow with post construction measures	Ongoing city business	Implement retainment of historical flows from new development and redevelopment	Ongoing city business	
4	Potential Bacteria or Mercury	Sediment laden run off from streets and overflow from properties.	Schedule and monitor sediment catch basin cleaning and performance and debris blockage in culverts	Pollution Prevention in Municipal Operations	1. Report amount and date of debris and sediment removal and catch basin inspections as performed 2. Document number of notifications sent out and date of improved drainage flow	Ongoing, performed as needed	1. Follow developed schedule to clean and inspect public catch basins. 2. Out source contract as needed 3. Number of notifications and debris removal performed	Funding included in basic operational costs.	

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5	Temperature	Solar Radiation Input	Seek collaboration, partnerships and grant funding in order to implement riparian enhancement projects.	Pollution Prevention in Municipal Operations; Public Education and Outreach	Number of projects implemented and planned; Confirm city owned riparian corridors protected and woody debris based on survey; Provide list of areas for improvement	Ongoing	Track and report riparian enhancement activities by date, location, type of activity for vegetation management along riparian zones: Protect City riparian vegetation; Promote voluntary actions for privately owned river front properties; Retain instream woody debris where feasible and safe; Identify areas for improvement and/or restoration	Grants and General Fund funding.	
6	Temperature	Solar Radiation Input	Reduce warm water flowing from the ponds into the North Santiam thereby decreasing solar radiation effect for improved fish and wildlife habitat	Pollution prevention in municipal operations	Retain beaver dams except to prevent flooding; Visual inspection of pond levels to confirm annually no discharge to North Santiam during June-September	Ongoing OWRD Permit R-87877	1. Cease to remove beaver dams except to the extent necessary to prevent flooding. 2. Decrease areas of stagnated water caused by low water levels. 3. Decrease discharge warm pond waters to the North Santiam.	Ongoing city business, explore grant possibilities.	
7	Bacteria	Bacteria Discharged in Effluent at City Park	Provision of sanitary services at city parks	Pollution prevention in municipal operations	3 Pots installed at parks	Ongoing permanent placement	Placement of porta potties at parks	Ongoing city business.	
8	Bacteria, Mercury, Petroleum	Potential contaminant sources to groundwater and drinking water.	Protect City of Lyon's high quality drinking water source	Public Education and Outreach; Pollution Prevention Municipal Operations	Reports showing high quality drinking water; Number of illicit discharges to surfaces waters reported	Ongoing	Continue to monitor reports required by EPA's 40 Code Federal Regulations at the Lyons Mehama Water District.	Ongoing city business.	

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9	Mercury, Bacteria	High priority areas of flooding and erosion from stormwater runoff.	Development and Implementation of a Stormwater Drainage Plan (SWDP).	1.) Public education and outreach. 2.) Illicit discharge detection and elimination. 3.) Pollution prevention in municipal operations.	Plan approved Apr 26 2011. 2019-2024 number and type of projects implemented that protect water quality	2019-2024 following 5 year review - implement priority actions	1. Investigate sources of potential funding for SWDP. 2. Include water quality protection priorities and considerations in plan.	Street Fund	
10	Potential Mercury, Nutrient Related, PAHs, Lead	Illegal discharge to the stormwater system or rivers/streams as indicated in complaint.	Document the complaints/concerns received. Follow ordinance violation procedure up to and including court action.	Illicit discharge detection and elimination.	Number of complaints and number of resolutions	Ongoing program	Provide information on website for the public on how to report illegal discharge.	Ongoing city business.	
11	All parameters	NA	Review and update the Lyons Comprehensive Plan to reflect strategies adopted in the TMDL Plan.	NA	1. Number of review planning workshops 2. Discussion on changes following review	2019-2024	Ensure that our jurisdiction's comprehensive planning processes are in compliance with federal and state water quality regulations.	Ongoing City business.	
12	Bacteria, nutrients, phosphorous, and nitrates	Failing on-site septic systems.	Grant funding for the repair of a rehabilitative housing including repair/replacement of failing septic.	Illicit discharge detection and elimination.	Funding received 2002. Track number of septic repairs and replacements	Ongoing program	Document specificities regarding expenditures of funds.	Grant funding.	
13	Bacteria, dissolved oxygen, turbidity, mercury, pesticides, nutrients, and temperature.	Development within floodway or floodplains.	Adoption of Floodplain Management Plan preventing and/or regulating development of properties vulnerable to floods.	Construction site stormwater controls; Post construction in new and redevelopment	Tracking and issuing penalties for non-compliance.	Adopted July 27, 2010. Implemented and ongoing for 2013-2018	Restricting or prohibiting uses which could result in erosion or flooding (ex., controlling the alteration of natural flood plains, stream channels and natural protective barriers)	Ongoing City business.	

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	Bacteria	Pet Waste	Provide bags for dog owners to pick up pet waste	1. Continue to supply bags	Prevent bacteria growth	Ongoing Permanent	Maintain stations and replenish supplies.	City Budget	
14	Bacteria Mercury Temperature	NA	City Council review and acknowledgement of TMDL progress reporting	Public Involvement and Participation; Public Education and Outreach	Document date of council meeting for agenda item	Annually for 2019-2024	Coordinate adding agenda for City Council meetings to provided update and document annual and 5 year reports are submitted	Ongoing city business	