

City of Scio
TMDL Implementation Plan 2023- 2028 (updated 2022 for Mercury TMDL)
Receiving Waters: Thomas Creek

	Source	Strategy	How	Fiscal Analysis/ Funding	Measure	Timeline	Milestone	Status
Temperature	1. Wastewater Lagoon System	Maintain low effluent temperatures	Meet the requirements of the DEQ Discharge Permit	Sewer Fund	Monitor effluent as required with the renewal of the NPDES DEQ Permit	Ongoing; Annual Review	Ensure that compliance is met so that the effluent does not impair Thomas Creek	
	2. Stream bank Vegetation	Preserve and enhance natural stream bank vegetation	Conduct outreach and education to property owners about importance of protecting and maintaining riparian vegetation through City Website and other outreach efforts;	Funding Needed	Document outreach activity dates and efforts on an annual basis	See milestones; Annual Review	Years 1-2: Identify funding or staff needed to find or develop outreach materials Year 2: Outreach materials are identified or developed and information is made available on city website. Year 3: Fully Implement outreach efforts based on baseline assessment Years 4-5: Continue outreach campaign and monitoring.	
			Find resources or support needed to develop and implement approach for monitoring streamside vegetation within city	Funding needed	Specify resources or technical assistance needed to establish baseline streamside vegetation, e.g., photo points. Complete a draft description of the monitoring approach to be used in next year five cycle	See milestones; Annual Review	Years 1-2: Identify resources or technical assistance needed in order to establish baseline conditions Years 3-5: Draft monitoring approach for streambank vegetation completed	
			Enforce Scio Land Division Ordinance No. 562, Section 9.08 Land for Public Uses and Public Open Space. 20ft Setback from top of bank along Thomas Creek in the Thomas Creek Estates Subdivision per Deed restrictions.	Funded	Enforce building code setbacks per deed restrictions in the Thomas Creek Subdivision.	Ongoing; Annual Review	Process to obtain conservation easements is identified and city pursues this option with future development.	
			Potential for conservation easements	Funded	Determine if city would be able to obtain conservation easements as properties develop along Thomas Creek, setting aside opens space to maintain the riparian areas as habitat.	Years 1-5: Research process and city's interest in potential conservation easements in future. Report out in Year 5	Determine ability and funding needed	
Bacteria	1. Pet and Animal Waste	Reduce Pet Waste Runoff	Install pet waste signs and pet waste dispensers in city parks Education via city website	Funded	Number of pet waste bags and cost of maintaining pet waste dispensers is tracked on an annual basis	Ongoing; Annual Review	Sign and waste bag dispenser installed in all city parks (completed)	

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	2. I & I of City's Wastewater System	To reduce inflow and infiltration	Sewer line rotation inspections	When Funds Allow	Recorded maintenance on repaired manholes and collection system. Continue rotation of Tving sewer lines.	Ongoing; Annual Review	Annual evaluation and prioritization of necessary repairs.	
			Provide a way for community members to report illicit discharge complaints or concerns	Funded	Document complaints received and City's follow-up actions; Phone number to call-in complaints or concerns about illicit discharges is provided in annual newsletter or similar and on website. Use data from the Wastewater Masterplan to determine how to deal with I&I.	Ongoing; Annual Review	Phone number identified on City website as the contact for reports of illicit discharges	
	3. Septic Systems	Ordinance # 403 hook-up to public wastewater	New developments-enforced by final inspection	Review & record program cost	100% city hook-up to city wastewater system	Ongoing; Annual Review	Maintain enforcement	
		Provide outreach and education to property owners and residents within city limits by way of city website	Maintain a list of properties that have septic systems; Provide information on city website regarding resources, e.g., Craft3 Clean Water Loans	Funded	Document outreach and education provided to residents that have septic systems	Ongoing; Annual Review	Continue to Develop or identify existing materials that can be used for outreach	
Mercury	1. Pollution Prevention and Good Housekeeping for Municipal Operations	Operate and Maintain facilities to reduce the discharge of mercury-related pollutants.	Street Sweeping & Catch Basin Cleaning	Funded	Maintain Public Works schedule for Street Sweeping and Clean Catch Basins as needed	Seasonal; Annual Review	Streets swept and catch basins cleaned as needed.	
			Maintain records for activities	Funded	Track and document the best management practices	Ongoing; Annual Review	Include summary of activities in annual TMDL report	
			Ensure that city facilities with activity identified in DEQ's 1200-Z Industrial Stormwater General Permit have coverage	No City facilities require a DEQ 1200-Z Permit	Funded	City has assessed and confirmed that a DEQ 1200-Z permit is not required for any city owned property at this time. Will assess again if changes to existing facilities occur or new facilities built.	Assess as needed	Assess as needed
	2. Public Education and Outreach	Educate residents on impacts of stormwater discharges on Thomas Creek	Inform the public on steps they can take to reduce mercury-related pollutants in stormwater runoff.	Partial Funding	Maintain city website with information on the city's stormwater control implementation, contact information and educational materials. Include copy of city's TMDL implementation plan (matrix) on website.	Ongoing; Annual Review	City Info presented to public at Public National Night Out Event the first Tuesday in August	
			Conduct one qualitative assessment of at least one outreach/ education effort annually	Partial Funding	Document public outreach efforts and public input	Ongoing; Annual Review	Review annually	
	3. Public Involvement and Participation	Inform the public on steps they can take to reduce mercury-related pollutants in stormwater runoff.	City Council and Planning Commission meetings have designated time for citizens to provide public comment and ask questions	Funded	Information regarding all city meetings are on the city's website. City has process for public comment.	Ongoing; Annual Review	Present TMDL Plan to city council and public.	

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Mercury	4. Illicit Discharge Detection and Elimination	Implement and enforce program to detect and eliminate illicit discharges into the stormwater conveyance system	Develop IDDE program to prohibit non-stormwater discharges into the system, and	Funding Needed	City has authority to enforce IDDE requirements and a process for detecting and responding to illicit discharges. Update code to define what discharges are allowed and what is not allowed in the stormwater system	Fully implement by March 2027	Update code to define what discharges are allowed and what is not allowed in the stormwater system		
			Review & update Stormwater conveyance maps as needed	Funding Needed	At a minimum, review maps every five years, and as needed to make sure they are current.	Fully implement by March 2027	Update maps as development and repairs are conducted.		
			Calls or complaints received by City Hall are reviewed in the field by Public Works Staff who take any necessary remediation efforts from there with the City Manager	Funded	Track IDDE response, tracking and enforcement	Ongoing; Annual Review	Track calls, complaints and work with Linn County Environmental Health with any enforcement issues		
			Educate public about IDDE	Funding Needed	Track information provided to public about illicit dumping / discharge impacts on water quality and city's code enforcement	Fully implement by March 2027	Update website with IDDE information		
	5. Construction Site Runoff Control	Refer project sites to DEQ, to obtain NPDES 1200-C Construction Stormwater Permit coverage for construction projects that disturb one or more acres. Currently no qualifying lots in Scio	City of Scio Standards for Public Improvement (Adopted 2019) requires developers to adhere to ODEQ NPDES Permit requirements for erosion control for areas >1 acre	Funding to be identified if change in city lot sizes in future.	Currently no buildable lots in city that are 1 acre or greater in size. City will re-assess and confirm there are no 1 acre or larger lots in city in annual reports	Ongoing; Annual Review	City will re-assess on annual basis		
			Require stormwater detention, erosion control and water quality measures with development. Currently no qualifying lots in Scio	Require construction site operators to complete and implement an Erosion and Sediment Control Plan for construction projects sites that result in a minimum land disturbance of 21,780 square feet (one half of an acre) or more.	Funding to be identified if change in city lot sizes in future.	Currently no buildable lots in city that are 1/2 acre or greater in size. City will re-assess and confirm there are no 1/2 acre or larger lots in city in annual reports	Ongoing; Annual Review	City will re-assess on annual basis	
			Erosion control for public and private construction projects	Public and private construction projects to implement BMPs to reduce sediment, erosion and runoff	Funded	City will confirm public and private projects are using proper BMPs	Ongoing; Annual Review	Staff trained to identify sediment, erosion and runoff issues that should be addressed by city or reported to proper authority	
	Funded	City will report or elevate sediment, erosion and runoff issues to Linn County or DEQ		Ongoing; Annual Review	Staff are informed of which entity (county or DEQ) should be contacted regarding various sediment and erosion issues				

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	6. Post-Construction Site Runoff for New Development and Redevelopment	Develop, implement and enforce a program to reduce discharges of pollutants and control post-construction stormwater runoff from new development project sites	Develop post-construction stormwater requirements for new construction and re-development for project sites that create or replace 10,890 square feet (one quarter of an acre) or more of new impervious surface area	Funding Needed	Document gaps in existing development code and post construction stormwater runoff	Fully implement by March, 2032	On or before 2032 Review current post-construction requirements and identify gaps Draft post-construction requirements for new and re-development Adopt and implement post-construction requirements	
		Building Permits	City refers applications for construction and building to Linn County. Linn County Building and Planning administers building code enforcement and provides plan review of all building plans when applicable.	Funded	City to continue to refer applicants for construction and building to Linn County.	Ongoing; Annual Review	Continue referral process to Linn County	
All Pollutants	1. Chemicals/Fuel/Hazardous Materials	Continue working with community on annual clean-up days	Participate in Cleanup Day on an annual basis	Funded	Document annual Clean-up Day and associated civic group participation	Ongoing; Annual Review	Resume Annual Clean-up Day with Scio High School. Will use the City's website and outgoing water bill, and town reader boards to assist with the communication efforts surrounding this event.	
	2. City Council Support	Keep Council informed of TMDL responsibilities and implementation progress/hurdles	Update Council at least annually on TMDL plan and implementation	Funded	Confirm Council update annually	Ongoing; Annual Review	Confirm Council update annually	
	3. Reporting and Adaptive Management	Annual and year five reports submitted to DEQ will identify adaptive management when needed	Use adaptive management as described in the Willamette Basin TMDL	Funded	TMDL reports will include information about adaptive management when necessary	Ongoing; Annual Review	Hurdles or challenges to implementing strategies are identified and adaptive management process is applied as needed	