

Measure	Source	Management Strategy	Measurable Goal	Milestones	Annual Goal Tracking	Annual Status Update	Funding	Temperature	Bacteria	Mercury	Pesticides
1. Pollution Prevention and Good Housekeeping for Municipal Operations	Solar Radiation Input	Protect existing riparian vegetation on private properties.	1A	Track and document number of building permits, violations and variances in protected areas.	Document number of permits, violations and variances that occurred in riparian and protected areas.	Track annual amounts of permits, variances, and violations located in riparian and protected areas.	Community & Economic Development	X			
			1B	Track acres of protected area lost to approved variances.	Convene working group to determine scope of project and determine goals. Create GIS database to map protected areas in city limits. Conduct spatial analysis to determine loss of acreage and determine the threshold the city wishes to maintain.	GIS layer updated with variances in protected areas. Acres of vegetation lost in riparian and protected areas due to approved variances.	Variances are currently tracked. GIS layer is in development.	Community & Economic Development	X		
			2A	Identify and remove invasive species.	Conduct a survey of invasive species present in riparian area. Determine treatment schedule. Remove existing invasives utilizing trained staff and community volunteers.	Provide staff with invasive species identification training. Track labor hours to remove invasives and square feet/ acres treated.	In effect and ongoing.	Community & Economic Development and Parks Fund	X		
			2B	Replant native vegetation with input from South Santiam Watershed Council	Collaborate with SSWC and the Park and Tree Committee to determine priority native plants for replanting treated areas. Determine budget and costs for obtaining native seedlings/saplings. Determine funding sources. Host a community replanting event to install selected plants.	Contact SSWC for technical assistance. Allocate budget and determine funds for replanting. Track number of replanted species.	SSWC is shortstaffed but efforts will be continued to collaborate on replanting efforts.	Community & Economic Development and Parks Fund	X		
			2C	Develop a riparian maintenance plan.	Collaborate with SSWC, Park and Tree Committee, and Public Works to determine an annual maintenance plan to treat and remove returning invasives and to ensure success of new native plantings.	Development of an annual treatment and maintenance plan. Track staff hours and acres treated annually.	In effect and ongoing.	Community & Economic Development and Parks Fund	X		
			3	Install pet waste bag stations in City parks	Complete installation and document use of bags.	Number of stations installed and bags used	In effect and ongoing.	Parks and Stormwater Funds	X		
			4A	Maintain budget and schedule for street and catch basin cleaning.	Develop a schedule and maintenance plan for both street and catch basin cleaning.	Develop schedule and maintenance plan.	In effect and ongoing. Street sweeping target is once per month in residential neighborhoods and once per week in business core area.	Streets and Stormwater Funds	X	X	X
			4B	Perform catch basin and ditch cleaning.	Maintain targets and schedule.	Track number of catch basins and miles of ditch cleaned.	In effect and ongoing.	Streets and Stormwater Funds	X	X	X
			4C	Perform street sweeping.	Maintain targets and schedule.	Track miles of street swept.	In effect and ongoing.	Streets and Stormwater Funds	X	X	X
			5A	Continue highly successful community leaf pick-up program	In effect. Maintain call-in program.	Track annual loads/yards	Initiated 2018 - developed as a call for pickup program. In progress and conducted annually.	Streets, Parks, and Stormwater funds	X	X	X
			5B	Public education on program and proper placement of leaf piles for pickup.	Inform public of program and proper procedures for requesting pickup.	Social media campaign in the fall to educate residents of program and procedures to request pickup. Track social media interaction to determine engagement.	In effect and ongoing.	Streets, Parks, and Stormwater funds	X	X	X
			Municipal Operations	Maintain WWTP compliance with NPDES permit #101657	Staff training on routine maintenance activities to protect water quality.	6A	Identify relevant training for each department and schedule.	Determine applicable trainings. Develop a training schedule.	Create training schedule. Create list of applicable trainings.	Public Works	X
6B	Hold training sessions.	Hold annual training session(s) for staff.				Document training subjects, dates, and attendees.	Public Works	X	X	X	
7A	Monitor effluent temperatures.	Conduct required testing and monitoring of effluent temperature per DEQ permit requirements.				Required documentation of monitoring and testing results sent to DEQ as required.	Wastewater Enterprise Fund	X	X		
7B	Update wastewater treatment plant to handle increased load.	Apply for grant/loan funding to implement plant upgrades. Initiate design phase. Begin construction of wastewater plant upgrades.				Apply for grant/loan funding. Create engineering plan for plant upgrades. Track costs and labor hours.	Wastewater Enterprise Fund	X	X		
Unspecified	City Council Update of TMDL Program	City facilities comply with 1200-Z program.	8	Ensure all City facilities that require a 1200-Z permit are permitted.	Confirm if any City facilities require a 1200-Z permit. Obtain any permits needed.	All City facilities that need a 1200-Z permit have one.	Public Works	X	X	X	
			9	Present 5 Year and Annual TMDL Updates to City Council annually.	Set up recurring Council agenda item to present TMDL plan/report annually.	Document Council minutes.	Initiated 2019 - Ongoing. 2023 delayed until 5-year plan update completes.	Administration and Public Works	X	X	X
Unspecified	City Council Update of TMDL Program	City facilities comply with 1200-Z program.	10A	Create educational materials for property owners.	Determine best method to disseminate information about SSWC and upcoming/proposed projects.	Create at least one educational method to distribute to the community. Track views/number distributed to community.	Community & Economic Development	X	X	X	

2. Public Education and Outreach	Property Owners	Promote voluntary actions for restoration and protection of riparian areas by providing property owners with South Santiam Watershed Council information and natural resources code development requirements.	108	Determine high priority projects for SSWC and property owner collaboration.	Scope out locations for potential projects.	Using GIS and known local conditions, determine the best locations for riparian restoration projects.	Several locations have been determined as potential areas for projects including Sankey Park and along Ames Creek. Additional scoping of areas is ongoing.	Community & Economic Development	X	X	X	X
		10C	Be involved with at least one riparian project by 2027	Determine funding and location for restoration project. Reach out to SSWC to determine potential project collaborator.	Create a matrix to track applicable grants and funding windows. Update as new grant become available. Track conversations with SSWC.	Ongoing. Grant matrix is currently in development. SSWC is currently understaffed and have no upcoming projects.	Community & Economic Development	X	X	X	X	
		11A	Determine best method to distribute stormwater education materials to the community.	Develop method to distribute information. Implement method.	Develop method to distribute information to community. Track brochures distributed or social media engagement.	Ongoing. New Communications Manager has been hired and will be creating a social media campaign regarding stormwater/TMDL implementation.	Community & Economic Development	X	X	X	X	
		11B	Create at least one educational brochure/post.	Identify high priority information for educational media. Determine most efficient method to distribute information.	Track social media post engagement. Track views on ArcGIS Storymap.	Complete. Storymap has been created and posted to social media. Additional educational materials are in development.	Community & Economic Development	X	X	X	X	
		11C	Redesign City website to improve ease of access and increase stormwater information available.	Redesign webpage. Create new educational materials to post on website.	Redesign webpage with new vendor. Include a section for stormwater and TMDL information.	Ongoing. New 2023 - Communications Manager has been hired and a new vendor has been identified for City's IT/Website management.	Community & Economic Development	X	X	X	X	
		11D	Conduct a qualitative assessment of at least one outreach/education effort on an annual basis	Review and discuss effectiveness of an outreach/education effort each year.	Document results of the qualitative assessments to the TMDL file.	New item.	Community & Economic Development; General Fund	X	X	X	X	
		12A	Identify City parks that would be ideal for community clean up events.	Collaborate with Planning/Public Works to identify parks that would benefit from cleanup events.	List Parks and actions that would benefit each (litter cleanup, invasive species removal, native species planting, etc.)	Implemented. Sankey Park has been identified. Additional parks are being identified in the Parks Master Plan update.	Parks and Stormwater Funds	X	X	X	X	
		12B	Hold community events to engage community.	Hold annual clean up events.	Track events and participation. Survey participants to see what they would like to see as part of the program.	Ongoing. Sankey Park has been identified and an annual clean up event is held annually every May. Additional parks will be identified in the Parks Master Plan Update	Parks and Stormwater Funds	X	X	X	X	
		13A	Publish educational materials in the local newspaper and City publications	Send bill insert with resident water bills. Publish materials in local newspaper.	Track bill inserts and educational materials distributed. Track engagement.	In progress.	Stormwater Fund	X	X	X	X	
		13B	Update website/social media with pertinent stormwater information. See also Strategy 10C	Update website stormwater page.	Update stormwater information page on City website	New IT vendor has been hired. Website changes/updates are in progress.	Stormwater Fund	X	X	X	X	
3. Public Involvement and Participation	Non Point Source/Local Stormwater discharges	Gauge public perception of stormwater issues and raise awareness of actions that individuals can take to minimize stormwater impacts.	13C	Invite public to share opinions of stormwater issues and concerns.	Post surveys on social media and hold community input meetings.	Complete survey and meeting results.	Stormwater Fund	X	X	X	X	
		13D	Use public opinion to strategize educational efforts.	Compile survey results and update educational materials as needed.	Track survey results and changes to educational materials.	Stormwater Fund	X	X	X	X		
		14A	Respond to call-in reports from citizens	Receive calls from public regarding spills at Public Works.	Track calls from citizens.	In effect and ongoing.	Stormwater Funds	X	X	X	X	
		14B	Inspect for illicit substances during catch basin inspections.	Investigate evidence of discharges during catch basin cleanings/inspections.	Track incidents and investigate discharges if practical.	In effect and ongoing. Report annual amounts on TMDL report.	Stormwater Funds	X	X	X	X	
		14C	Follow up on suspected violations with site visits and owner contact as needed.	Inform owners of SHMC Section 8 and 13. Educate owners on stormwater system and proper disposal methods.	Track owner contacts and violations.	In effect and ongoing via Public Works and Code Enforcement.	Stormwater Funds	X	X	X	X	
		14D	Train staff how to respond to spills and the proper procedures to notify DEQ. See also Strategy 7B.	Train public works staff on spill prevention and reporting procedures.	Track training dates and attendance.	In development.	Stormwater Funds	X	X	X	X	
		15A	Install markers on all catch basins in city limits.	Install markers on 450 remaining catch basins.	Track markers installed.	In progress. 450 were installed but many are missing or damaged.	Stormwater Funds	X	X	X	X	
		15B	Establish maintenance plan to replace missing/damaged markers.	Incorporate marker install/replacement into catch basin cleaning program.	Track markers installed during catch basin cleanings.	In effect but stormwater staff turnover has decreased the annual catch basin cleanings able to be completed.	Stormwater Funds	X	X	X	X	
		15C	Coordinate with local volunteer groups to install/replace markers.	Contact local volunteer groups.	Track communications with volunteer groups and determine if/an feasibility.	In progress. Many organizations have limited capacity for new projects.	Stormwater Funds	X	X	X	X	
		16	Amend stormwater ordinance 13.08.100 through 130 to include conditionally allowed non-stormwater discharges as defined in M54 PHH permit page 9. https://www.oregon.gov/deq/waq/Documents/m542PermitMod.pdf	Draft proposed ordinance language. City Council adoption of ordinance language. Full implementation due by September 3, 2025.	City Council adopts code changes.	New item	Stormwater Funds	X	X	X	X	
4. Illicit Discharges and Detection Elimination	Illicit Discharges	Install "This drain goes to the stream" catch basin stickers	15B	Establish maintenance plan to replace missing/damaged markers.	Incorporate marker install/replacement into catch basin cleaning program.	Track markers installed during catch basin cleanings.	Stormwater Funds	X	X	X	X	
		17A	Use GIS to publish a stormwater system map	Create a map of stormwater assets.	Updated GIS map of stormwater assets.	Complete. Map has been created.	Stormwater Funds	X	X	X		
Not Specified	Maintain up-to-date stormwater system map.	17B	Update map as needed	Create an application to have maintenance crews update map as they come across inaccuracies/additions.	Application for updates to stormwater assets.	Ongoing. Application is in development.	Stormwater Funds	X	X	X		

5. Construction Site Runoff Control	Development and Construction Runoff	Decrease sedimentation and erosion from construction and new/re-development	184	Work with Building Department and developers to ensure adequate erosion control measures are employed.	Implement inspections of construction and development sites.	Track inspections and results. Track erosion control plans/permits in property files. Follow up with developers with any violations.	Implemented and ongoing.	Community & Economic Development Department and Public Works.	X	X	X
			188	Provide erosion control handout with building permit package.	Create erosion control packet for building permit packages.	Erosion Control Informational Packet	Complete.	Community & Economic Development Department and Public Works.	X	X	X
			18C	Create municipal code that better addresses erosion control and enforcement.	Evaluate model code for local use. Update municipal code to better address erosion control. Full implementation due by March 3, 2022.	Code that address erosion control requirements. Track changes in code.	In Progress. SHMC 13.06 address erosion control requirements and enforcements. Code review and changes are in progress.	Community & Economic Development Department and Public Works.	X	X	X
			18D	Encourage developers to use low impact development / green stormwater infrastructure.	Create informational packet on benefits and costs of GSI.	Completed packet with information on GSI.	In progress.	Community & Economic Development Department and Public Works.	X	X	X
			18E	Require developers to provide confirmation of 1200-C permit prior to issuing development permits.	Require developers to provide 1200-C permit confirmation. Provide discount for developers who have a Storm Control Certificate.	Track developments requiring 1200-C permit.	In effect and ongoing.	Community & Economic Development Department and Public Works.	X	X	X
6. High-Risk Construction Site Runoff for New Development and Redevelopment	Development Runoff	Update development standards to protect water quality.	19A	Update/modernize stormwater detention standards.	Consider natural surface and pre-development runoff by utilizing onsite treatment/detention. Evaluate model code/model manual for local use. Formally adopt stormwater detention standards. Full implementation due by March 3, 2022.	City Council adopts standards.	In progress.	Community & Economic Development Department and Public Works.	X	X	X
			19B	Update municipal code to require developer maintenance of post-construction runoff treatment/storage	Evaluate model code for local use. Update code to ensure maintenance of facilities leading to increased lifespan and functionality. Full implementation due by March 3, 2022.	City Council adopts code changes.	In progress.	Community & Economic Development Department and Public Works.	X	X	X
			19C	Update City's Stormwater Master Plan	Modernize Stormwater Master Plan to protect water quality and highlight community priorities.	Stormwater Master plan is adopted and implemented.	In progress. Implemented in 2023.	Community & Economic Development Department and Public Works.	X	X	X
Pollution Prevention and Program Support	TMDL reporting and adaptive management	Submit annual reports to DEQ on status of TMDL implementation every year	20A	Timely submittal of complete reports and plans	Timely submittal of complete reports and plans	Timely submittal of complete reports and plans	In effect, ongoing	Community & Economic Development Department and Public Works.	X	X	X