

Source or Program	Meets Requirements for:		Strategy	Specific Actions	Measure of Progress/Benchmarks	Funding Analysis/ Estimated Cost	Reporting Year or Plan Year	Status /Reporting Summary
	Bacteria	Temperature						
I. Identify Program Resources	X	X	A. Inventory existing programs and available resources.	<ol style="list-style-type: none"> 1. Primary responsibility of program will be carried out by Public Works and Community Development 2. Work with the Josephine SWCD, RVCOG, Grants Pass Irrigation District, OSU Extension, Middle Rogue Watershed Council, Middle Rogue Steelheaders Assoc, RCC and local schools to implement and promote TMDL programs. 3. Use existing ordinances and policies to begin TMDL Implementation. 4. Identify existing resources for program funding (e.g. staff hours, available funds, etc.). Detailed funding analysis will be conducted as part of the City's budgeting process and work with other agencies. 	<ol style="list-style-type: none"> 1. Public Works Director, Streets Maintenance Superintendent, Community Development Director and staff and Engineering Technicians 2. List of groups, contact information, etc. Josephine SWCD, Middle Rogue Watershed Assoc. Middle Rogue Steelheaders Assoc 	<p>Streets and Drainage, Engineering and Planning Staff</p> <p>Public Works Staff, Engineering and Planning Staff, RVCOG</p>	<p>Year 1</p> <p>Annually</p>	
	X	X		<ol style="list-style-type: none"> 3. Use existing ordinances and policies to begin TMDL Implementation. 4. Identify existing resources for program funding (e.g. staff hours, available funds, etc.). Detailed funding analysis will be conducted as part of the City's budgeting process and work with other agencies. 	<ol style="list-style-type: none"> 3. List relevant ordinances and policies and summarize activities. 4. Summary of existing resources. Streets and Drainage operations budget, grants, County Corrections Work Crews, Local Middle Rogue Groups 	<p>Public Works Staff, Engineering and Planning Staff</p> <p>Public Works Staff, Engineering and Planning Staff</p>	<p>Year 1 list. Annually for activity summary.</p> <p>Year 1</p>	
	X	X		<ol style="list-style-type: none"> 4. Identify existing resources for program funding (e.g. staff hours, available funds, etc.). Detailed funding analysis will be conducted as part of the City's budgeting process and work with other agencies. 	<ol style="list-style-type: none"> 4. Summary of existing resources. Streets and Drainage operations budget, grants, County Corrections Work Crews, Local Middle Rogue Groups 	<p>Public Works Staff, Engineering and Planning Staff</p>	<p>Year 1</p>	
	X	X						

City of Grants Pass / Rogue Basin TMDL Implementation Plan / Matrix

Source or Program	Meets Requirements for:		Strategy	Specific Actions	Measure of Progress/Benchmarks	Funding Analysis/ Estimated Cost	Reporting Plan Year	Status /Reporting Summary				
	Bacteria	Temperature										
II. Solar Radiation – Near-Stream vegetation disturbance/removal.	X	X	A. Identify and inventory areas to restore, plant, and protect. B. Prioritize areas from above inventory for restoration, planting, and protection. Evaluate whether properties bordering streams can be purchased, banks planted and protected with native vegetation and then re-sold.	1. Use open space, public lands, wetlands and parks inventories, watershed assessments and GIS maps to identify areas.	1. Completed inventory and map(s). Site specific descriptions	Public Works Staff, Parks Staff, Engineering and Planning Staff	Year 1	Potential areas can include parks and open space, existing riparian areas, wetlands, etc.				
		X							1. Hold meetings and other processes to discuss criteria for prioritizing sites.	1. Summary of meetings.	Public Works Staff, Parks Staff, Engineering and Planning Staff	Year 2
		X							2. Establish prioritizing criteria for riparian restoration and protection.	4. Summary of prioritization criteria or provide a copy of the documentation. (Bear Cr. Planting Plan?)	Public Works Staff, Parks Staff, Engineering and Planning Staff	Year 2
		X							3. Evaluate summary/ list from I. A. to identify areas meeting the criteria.	5. Refined summary / list and map from IA.	Public Works Staff, Parks Staff, Engineering and Planning Staff	Year 2
		X							4. Field check prioritized areas to verify needs for implementation.	6. Summary of field checks completed	Public Works Staff, Parks Staff, Engineering and Planning Staff	Year 3
		X							5. Prioritize sites identified in II. A. for planting, restoration and protection.	7. Summary of prioritized sites.	Public Works Staff, Parks Staff, Engineering and Planning Staff	Year 4
		X										

City of Grants Pass / Rogue Basin TMDL Implementation Plan / Matrix

Source or Program	Meets Requirements for:		Strategy	Specific Actions	Measure of Progress/Benchmarks	Funding Analysis/ Estimated Cost	Reporting Year or Plan Year	Status /Reporting Summary
	Bacteria	Temperature						
		X	C. Restore, protect, and plant areas.	<ol style="list-style-type: none"> 1. Seek opportunities to plant native trees and shrubs in public areas, open spaces, city parks and along streams and rivers. Specific creeks to evaluate include Gilbert Cr., Skunk Cr., Mill Cr., Grouse Cr., Jones Cr., Sand Cr. and the Rogue River along City Park property. 	<ol style="list-style-type: none"> 1. List of areas planted including numbers of trees and shrubs. 	Public Works Staff, Parks Staff, Public Contracts, Volunteers, County work crews	Annually	
		X		<ol style="list-style-type: none"> 2. Identify partnering opportunities, for public and private lands, during each plan year by contacting local groups (Middle Rogue Watershed Council, Middle Rogue Steelheaders, Roe Motors, Josephine SWCD, Josephine County Public Works, local volunteer groups and schools) and summarizing project opportunities. 	<ol style="list-style-type: none"> 2. Summary of opportunities available. 	Public Works Staff, Parks Staff, Josephine County Soil and Water, Middle Rogue Steelheaders, Local Volunteer groups.	Annually	
	X			<ol style="list-style-type: none"> 3. Work with local groups to schedule and complete projects annually as time and funding permit. 	<ol style="list-style-type: none"> 3. Summary of projects scheduled and completed including number and locations of trees and shrubs planted. 	Public Works Staff, Parks Staff, RYCOG, Josephine County Soil and Water, Middle Rogue Steelheaders, Local Volunteer groups.	Annually	

City of Grants Pass / Rogue Basin TMDL Implementation Plan / Matrix

Source or Program	Meets Requirements for:		Strategy	Specific Actions	Measure of Progress/Benchmarks	Funding Analysis/ Estimated Cost	Reporting Plan Year	Status /Reporting Summary			
	Bacteria	Temperature									
		X	<p>D. Riparian Ordinance –Evaluate, strengthen, or develop riparian ordinances as needed (Goal 5) to protect existing native vegetation and canopy cover, and restore areas on all natural waterways with the City of Grants Pass jurisdiction. (Do ordinances need updating?)</p>	<p>4. Obtain or request funding (grant applications or grant funding) for restoring, planting, and protecting priority sites.</p>	<p>4. Summary of funding sources identified and applications submitted.</p>	<p>Public Works Staff, Parks Staff, RVCOG, Josephine County Soil and Water, Middle Rogue Steelheaders, Local Volunteer groups.</p>	<p>Year 1</p>	<p>Statewide Planning Goal 5, Safe Harbor is the minimum recommendation for riparian areas. It proved 75 foot buffers on streams with average annual flows of more than 1,000 cfs and 50 feet for streams with flows of less than 1000 cfs.</p>			
	X	1. Review and evaluate existing ordinances.							1. List of key sections of existing ordinance related to riparian protection and identified sections for revision or identified gaps.	1. Public Works Staff, Engineering and Planning Staff	Year 1
	X	2. Summarize recommendations for updating or adopting new ordinance.							2. Summary of ordinance revisions and updates.	Public Works Staff, Engineering and Planning Staff	Year 2
	X	3. Draft new ordinances or revise ordinance as needed.							3. Completed draft ordinance.	Public Works Staff, Engineering and Planning Staff	Year 3
	X	4. Public notice of new or revised ordinances and Grants Pass review procedure. 5. Adopt or revise ordinances, revise as needed.							4. Summary of noticing and procedures used to move the ordinance towards adoption. 5. Adopted ordinances or ordinance revisions.	Public Works Staff, Engineering and Planning Staff Public Works, Planning and Engineering Staff, Public Safety and Code Enforcement	Year 4 Adoption Year 5

City of Grants Pass / Rogue River TMDL Implementation Plan / Matrix

Source or Program	Meets Requirements for:		Strategy	Specific Actions	Measure of Progress/Benchmarks	Funding Analysis/ Estimated Cost	Reporting Year or Plan Year	Status /Reporting Summary
	Bacteria	Temperature						
III. Solar Radiation -Near stream vegetation disturbance - overrun by invasive species.	X		A. Develop or summarize guidelines for replacing invasive species in public areas.	<ol style="list-style-type: none"> 1. Review existing maintenance programs and identify what's currently being done to control invasive species. 2. Develop and/or adopt minimum recommendations for invasive species in public areas. Include staff training for noxious weed identification and control 	<ol style="list-style-type: none"> 1. Review summary of what we have. 2. Recommendation summary. 	Public Works Staff, Parks Staff, RVCOG, Josephine County Soil and Water, Local Volunteer groups. Public Works Staff, Parks Staff, Josephine County Soil and Water, Middle Rogue Steelheaders, Local	Year 1	
	X							
	X							
	X							
	X							
	X							
			E. Require mitigation/restoration of riparian buffer affected by new development. (check local ordinances)	<ol style="list-style-type: none"> 1. Include mitigation and restoration of buffer in ordinance review. (See II.D above) 2. Ensure that plan reviews provide for mitigation and restoration 3. Inspect site work and enforce violations 	<ol style="list-style-type: none"> 1. Summary of revisions proposed. 2. Summary of review procedure and program results in annual reports. 3. Summary of inspections and enforcement in annual reports. 	Public Works, Planning, Building and Engineering Staff	Annually following establishment of procedures	
				<ol style="list-style-type: none"> 6. Enforce ordinance or new ordinance as needed 	<ol style="list-style-type: none"> 6. Document enforcement actions. 	Public Works, Planning and Engineering Staff, Public Safety and Code Enforcement	Annually after adoption	

City of Grants Pass / Rogue Basin TMDL Implementation Plan / Matrix

Source or Program	Meets Requirements for:		Strategy	Specific Actions	Measure of Progress/Benchmarks	Funding Analysis/ Estimated Cost	Reporting Year or Plan Year	Status /Reporting Summary
	Bacteria	Temperature						
						Volunteer groups.		
	X			3. Refine and/or adopt and implement maintenance programs as needed.	3. Maintenance programs implemented.	Public Works Staff, Parks Staff, Josephine County Soil and Water, Middle Rogue Steelheaders, Local Volunteer groups.	Year 3	
	X			4. Work with watershed groups to manage invasive species on private land and protect and/or plant native species in riparian areas where invasives are removed in public areas.	4. Number of trees and shrubs planted annually in public areas. Number of acres of invasives removed.	Public Works Staff, Parks Staff, Josephine County Soil and Water, Middle Rogue Steelheaders, Local Volunteer groups.	Annually	
	X			5. If applicable, coordinate invasive weed management activities with the County Weed Management Area.	5. Activity Summary.	Public Works Staff, Parks Staff, Josephine County Public Works, Josephine County Soil and Water, Middle Rogue Steelheaders, Local Volunteer groups.	Annually	

City of Grants Pass / Rogue River TMDL Implementation Plan / Matrix

Source or Program	Meets Requirements for:		Strategy	Specific Actions	Measure of Progress/Benchmarks	Funding Analysis/ Estimated Cost	Reporting Year or Plan Year	Status /Reporting Summary
	Bacteria	Temperature						
IV. Channel Modification and Widening – Direct modification and sediment loading		X	A. Evaluate the impacts of road building, flood control, gravel extraction and other activities on channels. (May not have anything within the City's jurisdiction)	1. Review maintenance and building practices for road building, culverts, bridges, and flood control and identify any areas that may impact channels.	1. Review Summary.	Public Works Staff, Engineering Staff, Josephine County Public Works	Year 1	
		X		2. Revise practices as needed to reduce channel modifications and channel disturbance.	2. Summary of changes and revision.	Public Works Staff, Planning and Engineering Staff, Josephine County Public Works	Year 2	
		X		3. Train staff and contractors on proper maintenance and construction procedures for roads, culverts, and bridges.	3. Summary of trainings conducted.	Public Works Staff, Planning and Engineering Staff, Josephine County Public Works	Annually	
				B. Prevent erosion and control sediment at construction sites.	1. Develop, implement and annual enforcement of erosion prevention and sediment control program.	1. Summary of programs and procedures.	Public Works Staff, Planning and Engineering Staff	Year 1
V. Hydro-modification. Water rights and stream flows		X	A. Explore methods to improve water flows. (May not have anything within the City's jurisdiction)	1. Identify and inventory potential methods for improving in-stream water flows.	1. Summary of methods identified.	Public Works Staff, Planning and Engineering Staff	Year 2	
		X		2. Develop a program to improve in-stream water flows.	2. Summary of program developed including staffing needs, partners, schedules, and other relevant information.	Public Works Staff, Planning and Engineering Staff	Year 3	

City of Grants Pass / Rogue River TMDL Implementation Plan / Matrix

Source or Program	Meets Requirements for:		Strategy	Specific Actions	Measure of Progress/Benchmarks	Funding Analysis/ Estimated Cost	Reporting Year or Plan Year	Status /Reporting Summary				
	Bacteria	Temperature										
VI. Other Anthropogenic Sources: Urban Runoff – Reduce runoff, promote infiltration and low impact development practices.	X	X	A. Promote the use of methods and practices that reduce urban runoff and impervious surface area.	1. Identify low impact development practices that are being used or will be used to reduce urban runoff and creation of impervious surface area.	1. Summary of practices.	Public Works Staff, Parks Staff, Josephine County Public Works, Josephine County Soil and Water, Middle Rogue Steelheaders, Local Volunteer groups.	Year 3					
	X	X							2. Conduct a code review to identify barriers to low impact development methods.	2. List of identified barriers and relevant code sections.	Public Works, Planning and Engineering Staff	Year 4
	X	X							3. Consider code revision to incorporate low impact development practices.	3. Summary of revised code.	Public Works, Planning and Engineering Staff	Year 5
	X	X							4. Require new construction to minimize impervious surface and treat stormwater onsite.	4. Summary of requirements.	Public Works, Planning and Engineering Staff	Year 5
	X	X							B. Review BMP databases and studies for treatment technologies (e.g., swales, wetlands, in-line systems) that will reduce bacteria levels in runoff and encourage	1. Compile a list of treatment technologies that are effective in reducing bacteria levels in runoff and encourage infiltration.	1. Completed list of technologies.	Public Works Staff, Parks Staff, Josephine County Public Works, Josephine County Soil and Water, Middle Rogue Steelheaders,

City of Grants Pass / Rogue Basin TMDL Implementation Plan / Matrix

Source or Program	Meets Requirements for:		Strategy	Specific Actions	Measure of Progress/Benchmarks	Funding Analysis/ Estimated Cost	Reporting Year or Plan Year	Status /Reporting Summary
	Bacteria	Temperature						
			infiltration.			Local Volunteer groups.		
	X	X	C. Identify priority areas for installation of BMPs.	1. Develop a procedure for prioritizing areas for installation of BMPs.	1. Summary of procedure used.	Public Works Staff, Parks Staff, Josephine County Public Works, Josephine County Soil and Water, Middle Rogue Steelheaders, Local Volunteer groups.	Year 3	
	X	X		2. Develop a prioritized list of locations for installation of BMPs. 3. Develop a demonstration project and seek funding for implementation.	2. Completed list of priority areas in Grants Pass City Limits and the surrounding Urban Growth Area 3. Summary of potential demonstration projects including location, schedule, cost if know and funding applied for.	Public Works Staff, Parks Staff, Engineering and Planning Staff Public Works Staff, Parks Staff, Engineering and Planning Staff	Year 4 Year 5	
	X	X	A. Develop a stormwater management program addressing the six elements of Phase II Stormwater Management.	1. Summarize relevant ordinances, plans and sections of the TMDL Implementation Plan that meet NPDES Phase II Management objectives. 2. Identify gaps and next steps	1. Existing program summary 2. Summary of gaps and next	Public Works, Planning and Engineering Staff Public Works,	Year 3	
VII. Other Anthropogenic Sources: Urban Runoff – Stormwater Management	X	X						

City of Grants Pass / Rogue Basin TMDL Implementation Plan / Matrix

Source or Program	Meets Requirements for:		Strategy	Specific Actions	Measure of Progress/Benchmarks	Funding Analysis/ Estimated Cost	Reporting Year or Plan Year	Status /Reporting Summary
	Bacteria	Temperature						
Program.	X		A. Provide bags for dog owners to pick up pet waste.	needed to develop program.	steps.	Planning and Engineering Staff	Year 3	
	X			3. Develop a Storm and Surface Water standards manual that includes the Phase II six minimum control measures	3. Draft manual (year 4) and completed manual (year 5) <ul style="list-style-type: none"> (The city is work towards implementing a new Storm Water Mater Plan and a Stormwater Design Manual) List progress towards implementation of new Stormwater Master Plan and Design Manual.	Public Works, Planning and Engineering Staff	Year 3, 4	
	X			4. Develop a Pollution Prevention / Good Housekeeping Program	4. Summary of Program	Public Works, Planning and Engineering Staff	Year 5	
	X	X		5. Provide incentives to developers and homeowners to install or retrofit landscapes and to provide on-site stormwater treatment and detention.	5. Summary of incentives	Public Works, Planning and Engineering Staff	Year 2	
	X	X		6. Establish a maintenance program for existing stormwater management structures or features.	6. Develop training and education programs for maintenance and a schedule for inspection and maintenance.	Public Works, Planning and Engineering Staff	Year 1, annual maintenance to begin in year 2	
	X			1. Inventory parks / public areas that have pet waste disposal dispensers.	1. List of parks and public areas with pet waste disposal dispensers	Public Works and Parks Staff	Year 1	

VIII. Fecal Sources:
Animal waste management -

City of Grants Pass / Rogue Basin TMDL Implementation Plan / Matrix

Source or Program	Meets Requirements for:		Strategy	Specific Actions	Measure of Progress/Benchmarks	Funding Analysis/ Estimated Cost	Reporting Plan Year	Status /Reporting Summary
	Bacteria	Temperature						
pet, wildlife, and livestock waste. Properly manage animal waste.	X		B. Develop partnerships with SWCDs and ODA to work on animal waste management programs in agricultural areas.	2. Identify additional areas where bag dispensers are scheduled to be or have been placed since the previous inventory.	3. Document number of bags provided and number and location of new bag dispensers in annual report.	Public Works and Parks Staff	Year 2	
	X			1. Develop or tie into programs addressing animal waste management with landowners, agriculture, ODA, IDs, County programs, and other groups.	1. Summary of programs	Public Works and Parks Staff	Year 1	
	X			2. Partner with SWCD to encourage proper manure, upland irrigation and nutrient management.	2. Summary of partnerships.	Public Works Staff, Parks Staff, Josephine County Soil and Water, Middle Rogue Steelheaders, Local Volunteer groups.	Annually	
	X			3. Identify hobby farms within the boundaries of Grants Pass City Limits and Urban Growth Boundary. Contact residents with education information.	3. List properties, owners, and any contact dates.	Public Works Staff, Parks Staff, Josephine County Soil and Water, Middle Rogue Steelheaders, Local Volunteer groups.	Year 2	
X			4. Hold annual regional workshops on the impacts of animal waste and how to manage it.	4. Annual workshops completed	Public Works Staff, Parks Staff, Josephine County Soil and Water,	Year 3 and then		

City of Grants Pass / Rogue Basin TMDL Implementation Plan / Matrix

Source or Program	Meets Requirements for:		Strategy	Specific Actions	Measure of Progress/Benchmarks	Funding Analysis/ Estimated Cost	Reporting Year or Plan Year	Status /Reporting Summary				
	Bacteria	Temperature										
IX. Rural Residential and Urban Runoff - Develop programs to detect and eliminate contaminant discharges into waterways.			A. Establish and/or refine illegal dumping/illicit discharge detection and elimination (IDDE) program.	1. Review NPDES Phase II municipal stormwater programs, requirements and existing ordinances for IDDE protocols and actions that reduce bacteria inputs to waterway.	1. Completed review of IDDE programs	Middle Rogue Steelheaders, Local Volunteer groups.	Year 1					
	X								2. Create, adopt or revise and strengthen IDDE program as needed. The development of program with element VIIA. Development of a Stormwater Management Program.	2. Summary of IDDE program.	Public Works, Engineering and Planning Staff.	Year 2
	X								3. Implement IDDE programs	3. Program implementation summary.	Public Works, Engineering and Planning Staff.	Year 3
	X		4. Use stormwater system maps to assist in identifying illegal dumping and sources of bacteria. Revise and create maps as needed.	4. Map identified areas of high bacteria.	Public Works, Engineering and Planning Staff.	Year 4						

City of Grants Pass / Rogue Basin TMDL Implementation Plan / Matrix

Source or Program	Meets Requirements for:		Strategy	Specific Actions	Measure of Progress/Benchmarks	Funding Analysis/ Estimated Cost	Reporting Year or Plan Year	Status/Reporting Summary
	Bacteria	Temperature						
X. <u>Failing Septic Systems.</u> Identify and eliminate failing on-site sewage disposal systems.	X							
	X		A. Notify DEQ of failing systems when found.	1. The City of Grants Pass will notify DEQ of failing systems when found.	1. Summarized referrals.	Public Works (Drainage and Utilities) and Engineering Staff	Annually	
XI. <u>Outreach and Education</u>	X	X	A. Work as a regional group to develop an outreach strategy that identifies specific outreach/education projects, associated costs and distribution methods to address water quality parameters addressed in the	1. Identify existing programs addressing bacteria and temperature concerns. (Filtration Plant Landscaping, Redwood Park drainage and detention swales, Redwood Wetland?) 2. Review materials from existing educational programs (e.g., NPDES Phase II) to adopt, customize, develop and begin distributing educational and outreach materials.	1. Copies of information created, customized, and/or distributed. 2. List of programs.	Public Works and Engineering Staff, RVCOG	Year 1	
	X	X				Public Works and Engineering Staff, RVCOG	Year 3	

City of Grants Pass / Rogue Basin TMDL Implementation Plan / Matrix

Source or Program	Meets Requirements for:		Strategy	Specific Actions	Measure of Progress/Benchmarks	Funding Analysis/ Estimated Cost	Reporting Year or Plan Year	Status /Reporting Summary
	Bacteria	Temperature						
			TMDL.					
	X	X		3. Promote local and/or regional success stories as applicable by preparing information for summary on websites and contacting media outlets.	3. Summary of information on regional projects.	Public Works and Engineering Staff, RVCOG	Year 5	
	X	X		4. Participate in regional education opportunities with other groups and DMAs in the Rogue Basin.	4. List of activities.	Public Works and Engineering Staff, RVCOG, Local Watershed groups	Annually	
	X	X		1. Identify ongoing annual events related to water quality, riparian planting, the benefits of healthy riparian areas, native plants and other TMDL topics.	1. Event list completed.	Public Works and Engineering Staff, RVCOG, Local Watershed groups, Josephine SWCD	Year 1	
	X	X		2. Hold, participate in, and/or promote annual events.	1. Annual events summary. Possibly (City booth at County Fair. Promote Public Works Week and Drinking Water Week at local Schools)	Public Works and Engineering Staff, RVCOG, Local Watershed groups, Josephine SWCD	Annually	
	X			C. Provide citizens, landowners and other groups with technical assistance and other resources to restore and protect riparian areas.	1. Completed list of resources including contact information and location.	Public Works and Engineering Staff, RVCOG, Local Watershed groups, Josephine SWCD	Year 1	
				2. Distribute technical information through mailers, websites, workshops, and/or provide documents at public offices.	2. List of information and/or materials provided, and approximate numbers provided.	Public Works and Engineering Staff, RVCOG, Local Watershed groups, Josephine SWCD	Annually	
				3. Coordinate partnerships with DMAs and other organizations	3. Document technical assistance and resources	Public Works and Engineering Staff,	Annually	

City of Grants Pass / Rogue Basin TMDL Implementation Plan / Matrix

Source or Program	Meets Requirements for:		Strategy	Specific Actions	Measure of Progress/Benchmarks	Funding Analysis/ Estimated Cost	Reporting Year or Plan Year	Status /Reporting Summary
	Bacteria	Temperature						
				to provide technical assistance and other resources as needed.	provided, including the number of any plants distributed and associated planting locations.	RVCOG, Local Watershed groups, Josephine SWCD		
	X	X	D. Distribute information to inform animal owners of the problems related to fecal waste.	<ol style="list-style-type: none"> Identify target areas of high animal usage including public areas near waterways and dog oriented businesses. Collect, develop, and/or distribute brochures, pamphlets and other materials to target areas. 	<ol style="list-style-type: none"> Completed list of key locations including addresses and phone numbers. Documentation of materials distributed. 	ODA, Public Works and Engineering Staff, RVCOG, Local Watershed groups	Year 1	
	X		E. Staff Training	<ol style="list-style-type: none"> Train staff as needed on topics related to TMDL Implementation. (Include Management Staff and Elected Officials) 	<ol style="list-style-type: none"> List of how training was conducted and frequency. 	Public Works, Planning, Building and Engineering Staff	Annually	e.g., Safety meetings – Weekly, Staff meetings – Monthly, etc.
XII. Regional Water Quality Coordination	X	X	A. Continue participation in the TMDL program.	<ol style="list-style-type: none"> The City of Grants Pass will continue participation in the TMDL program. 	<ol style="list-style-type: none"> Attendance (in person, phone or video conferencing if available) at quarterly meeting and other meetings as requested. 	Public Works, Planning, Building and Engineering Staff	Annually	

City of Grants Pass / Rogue Basin TMDL Implementation Plan / Matrix

Source or Program	Meets Requirements for:		Strategy	Specific Actions	Measure of Progress/Benchmarks	Funding Analysis/ Estimated Cost	Reporting Year or Plan Year	Status /Reporting Summary
	Bacteria	Temperature						
XIII. Funding	X	X	A. Evaluate the costs of program implementation.	1. Establish costs of program implementation for the next plan year and identify funding sources as needed including staff time, grant funding, and other resources.	2. List program costs and sources (e.g., staff time, direct funding, grants, etc.).	Public Works, Planning, Building and Engineering Staff	Annually	
	X	X	B. Identify program funding opportunities.	1. Evaluate existing resources available to begin program implementation. 2. Provide an inventory of funding, potential Regional Program grants.	1. Summary of existing resources used. 2. List of identified funding sources and deadlines provided to The City of Grants Pass and other agencies.	Public Works Staff, RVCOG, Local Watershed groups	Year 1	
	X	X		3. Collectively (regionally) apply for funding for implementation and region-wide projects. 4. Document any funding and/or in-kind support for projects or partner projects.	List of participation in regional implementation opportunities. List of funding and in-kind support.	Public Works Staff, RVCOG, Local Watershed groups	Year 3	
	X	X		1. Compile information from completed activities into the matrix to track TMDL implementation activities. 1. Submit annual reports to DEQ.	1. Tracking of activities using the matrix. 1. Completed annual reports submitted to DEQ by September 30 of each year, reporting on implementation	Public Works Staff, Parks, Engineering and Planning Staff and Public Safety	Annually	e.g., Safety Meetings - weekly, Staff Meetings-monthly, etc.
	X	X		A. Use the matrix as a template to track the implementation plan. B. Submit annual reports to DEQ.	1. Tracking of activities using the matrix. 1. Completed annual reports submitted to DEQ by September 30 of each year, reporting on implementation	Public Works Staff, Parks, Engineering and Planning Staff and Public Safety	Annually, September 30 of each	
XIV. Monitoring and Reporting	X	X						

City of Grants Pass / Rogue Basin TMDL Implementation Plan / Matrix

Source or Program	Meets Requirements for:		Strategy	Specific Actions	Measure of Progress/Benchmarks	Funding Analysis/ Estimated Cost	Reporting Year or Plan Year	Status /Reporting Summary
	Bacteria	Temperature						
					actions for the July 1-June 30 plan year.	and Public Safety	year.	
			C. Use existing programs to track program effectiveness.	1. Work with DEQ, RVCOG, and other DMAs to evaluate methods for evaluating and tracking program effectiveness.	1. Summary of methods evaluation.	Public Works Staff, Parks, Engineering Staff, RVCOG, other DMAs.	Year 3	
				2. Work with DEQ, RVCOG, and other DMAs to use existing programs (DEQ Water Quality Index Stations, etc.) to evaluate program effectiveness.	2. Summary of regional water quality.	Public Works Staff, Parks, Engineering Staff, RVCOG, other DMAs.	Year 3	
	X	X	D. Adaptive Management Plan. This is an ongoing plan and modifications and adjustments will take place.	1. Modify plans as needed.	1. Summary of any revisions to Water Quality Implementation Plans.	Public Works, Planning, Engineering Staff, RVCOG, other DMAs.	Year 5	