

TMDL Implementation Matrix (Final)

City Departments	Partnerships	Abbreviations	Programs	Existing Ordinances/Policies	Budget	Plan Year
Administration Finance Planning	LBWC Rogue Valley Sewer JACO School District #9	LBWC RVSS D9	Harnish Park Visitor Center City Bacteria Monitoring Stream Monitoring	Eagle Point Municipal Code Enforcement Trackout Storm Detention	S = Staff Time GF = General Funds G = Grant Funds	A = Annually, report on activity annually 1 = Year 1 2 = Year 2 A,2 = Annual beginning in Year 2
Building Public Works	Jackson County Rogue Basin Partnership Rogue Valley Council of Governments	JACO RBP	Park Maintenance Other Public Space Maintenance	Sewer Connections Ditch Maintenance	V = Volunteers P = In-kind from partner	
Code Enforcement	Department of Environmental Quality Medford Water Commission Eagle Point Golf Course Little Butte Irrigation Soil & Water Conservation District Oregon Department of Agriculture Watermaster Oregon Department of Forestry Bureau of Reclamation Oregon Water Enhancement Board	RVCOG DEQ MWC EPGC LBI SWCD ODA ODF BOR OWEB	Public Education		C = Contracted Services	

Topics	Responsible Agency	Partnerships	Approach	Specific Action(s)	Measure of Progress	Budget	Plan Year	Benefit Bact.	Benefit Temp.	Status/Summary
I. Streamside Vegetation - Removal/Management	City - PW, Planning	LBWC, RVCOG	A. Identify Public Areas to Restore, Plant and Protect	Inventory Potential Properties - City Maps/Utility Accounts & JACO GIS/Assessor Data	List of Public Properties/Maps	S, P	1	X	X	
	City - PW, Planning	LBWC, RVCOG	B. Prioritize Public Areas for Restoration, Planting and Protection	Develop Prioritization Criteria for Restoration, Planting and Protection	List of Criteria	S, P, C, G	1		X	
				Prioritize All Potential Public Properties to Restore or Protect (from Item IA)	Prioritized Listing of Properties	S, P, C, G	2			
	City - PW, Planning		C. Develop Plans for Identified Public Areas	Adopt or Develop List of Plant/Tree Species for Restoration Planting	Approved Plant/Tree List for Restoration Planting	S	1		X	Inventory must be created
	City - PW, Planning			Adopt or Develop List of Plant/Tree Species to be removed.	Approved Plant/Tree List for Removal	S	1		X	
	City - PW, Planning			Develop Specific Plan for Each Public Area	Completed plan(s) for Each Area	S, P, C, G	A, 3		X	
	City - PW, Planning		D. Implement Specific Projects for Public Areas	Develop List of Restoration Projects to complete each plan year. Apply for grant funding.	Review list of submitted applications & determine funding resources if/when available.	S, P	A, 3		X	
					Budget Projects	S	A, 3			
	City - PW, Planning				Construct/Complete Projects	S, G, C	A, 3			
					Updated Project List	S	A, 4		X	
	City - PW, Planning	LBWC, RVCOG		Develop and Coordinate Opportunities for Volunteer Projects	Compile List of Available Volunteer Groups	S, P	1		X	
					Provide a List and brief summary of available Volunteer Projects	S, P	A			
	City - PW, Planning				Summary and documentation of projects completed.	S	A		X	
	RVCOG	City		Research Grant Funding	List of Funding Opportunities	P	1		X	
	RVCOG	City		Apply for Grant Funding	Completed applications.	P, C, G	A		X	
	RVCOG	City								
	City - PW		E. Maintenance of Existing Public Areas							
	City - PW		Little Butte Creek	Removal - Blackberries (Visual Inventory)	List of Areas for Removal	S	A		X	Harnish Park
	City - PW			Removal - Other Invasive Species (Visual Inventory)	List of Areas Cleared	S	A		X	Mattie Brown Park
					List of Areas for Removal	S	A		X	
					List of Areas Cleared	S	A		X	
	City - PW		Public Ditches	Ditch Maintenance	List of Ditches Cleaned	S	A		X	Butte Creek Park

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	City - Planning	RVCOG	F. Protection and Restoration of Public and Non-Public Areas	Review Existing Ordinances	Create a list of relevant ordinances for protection and restoration and summarize any needs (gaps)	S, P	1		X	City will manage all public lands abutting Little Butte Creek and assume a public education function, but chooses not to control/purchase easements on private property.
	City - Planning		Little Butte & Antelope Creeks (within EP Jurisdiction)	Develop Riparian Ordinance to Protect Existing Native Vegetation, manage invasive species, and restore areas from new development.	Completed draft ordinance.	S	2			
	City - Planning				Public notice and adoption procedure summary.	S	3		X	Covered Bridge
	City - Planning				Ordinance Adopted	S	4			
	City - Planning				Implement Ordinance	S	4		X	Ed Dahack Bridge
	City - Municipal Code Enforcement			Enforcement of Ordinances	Summary of any enforcement actions or investigations.	S	A		X	Main Street Bridge
	City	Little Butte Irrigation	Privately Owned Ditches	Work with EPID to remove blackberries and maintain private ditches.	Review/Update Ordinances	P, S	A		X	
	City - PW, Planning			Obtain easements along creeks, rivers, and other areas that will lead to reduced bacteria and temperature.	List of Easements to Obtain	S	2		X	
	City - PW, Planning				Easements Obtained	S	A, 3		X	
II. Streamside Vegetation - Invasive Species	City - PW, Planning	LBWC, JACO?	A. Replacement of Invasive Species	Develop Guidelines for Removal of Invasive Species with approved vegetation	Established Maintenance Program for Removal	S, P, V	1		X	Little Butte Creek
			B. Staff Education - Noxious Weeds	Implement staff training	Training Completed	s	03-Jan			
			C. Project Identification	Develop list of areas where invasive species need to be removed.	List of Areas for Removal/Replacement	S, P	2			Storm Ditches
			D. Project Implementation	Remove invasive species and replace with approved vegetation.	List of Replacement Replantings	S, P	A, 3		X	Street Rights of Way
	LBWC	City, MWC								
				Landsburgh Project - 3 acres Blackberry removal, riparian restoration, replanting w/ 11-1200 native plants, drip irrigation system, cattle exclusion fencing. (Eagle Point is a supportive partner in this project. Jackson County is the jurisdictional entity.)	Design & Replacement Strategy	S, P	3	X	X	Complete - Maintenance & Monitor
				Gadberry Project - 3.5 acres Blackberry removal, riparian restoration, replanting w/ native plants, drip irrigation system, cattle exclusion fencing, off-site cattle watering facility (solar pumping to watering trough). (Eagle Point is a supportive partner in this project. Jackson County is the jurisdictional entity.)	Design & Replacement Strategy	S, P	3	X	X	Planning
III. Streamside Vegetation - Urban Forestry Program	City - PW	Tree City USA, ODF	A. Urban Forestry Program	Create Urban Forestry Program	Summary of urban forestry program.	S	2		X	
	City - PW			Continue Tree City Participation	Tree City USA, Growth Awards	S	A		X	
IV. Channel Modifications	City		A. Evaluate Channel/Creek Actives for Impacts	Reduce Erosion along Little Butte Creek Frontages	Use Streamside Vegetation Practices above (I and II).	S	A	X	X	
	City/DSL (ongoing coordination)	Developers		Reduce Erosion along Buchanan Ditch	Review/Update Ditch Cleaning Practices	P	1		X	

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	City	Property owners/Developers		Make local contacts	Bank restoration projects completed	S, P, C, GF, G	5		X	
	DSL	Developers		Reduce Erosion along DeAnjou Ditch	Review Ditch Cleaning Practices	P	1		X	
V. Water Rights & Stream Flows	City	Legal, Consultants, Irrigation Districts, Private Parties	A. Improve Water Flows in Little Butte Creek	Explore Methods to Improve Flows in Little Butte Creek	Summarize accomplishments and activity of the City Water Right Program	S, P, C	A		X	
									X	
VI. Urbanization & Runoff	City - PW, Planning		A. Reduce Urban Runoff and Impervious Surfaces	Assess Planning/Building Ordinances and standards for barriers to post construction development and redevelopment supportive of TMDL reductions.	Summary of ordinance evaluation.	S	1	X	X	
					Review ordinances for needed amendments or creation of new ordinances	S	4	X	X	
					Adopt needed amendments/ new ordinances	S	5	X	X	
					Evaluate Existing Detention Systems	S	4	X	X	
					Evaluate LID for Practices to Reduce Runoff	S	4	X	X	
					Evaluate LID for Practices to Reduce Temperature	S	4	X	X	
					Revise Parking, Detention & Impervious Surface Standards to enhance protection of waterways	S	3	X	X	
	City	DMAs (Rogue Group)			Develop summary lists for low impact methods and best management practices (BMPs)	Summary lists developed	S, G, P, C	4	X	X
	LBWC	City, MWC, SWCD	B. On-Farm Sprinkler Systems	Tucker Ditch Project - Five (5) properties Flood irrigation to sprinkler conversion. LBWC = power & pump controls. Water rights conversion. Erosion reduction. (Eagle Point is a supportive partner in this project. Jackson County is the jurisdictional entity.)	Runoff Amount & Quantity	S, P	1-3	X	X	Design & Construction
	City	RVCOG,	C. BMPs to Reduce Bacteria	Develop list of BMPs to Reduce Bacteria	List of BMPs	S, P	2	X	X	
	City	RVCOG, LBWC		Develop list of Locations to Install BMPs	List of Locations	S	3	X	X	
	City	RVCOG	D. BMPs to Encourage Infiltration	Develop list of BMPs to Encourage Infiltration	List of BMPs	S, P	2	X	X	
				Develop list of Locations to Install BMPs	List of Locations	S	3	X	X	
	City	RVCOG	E. Priority Areas to Install BMPs	Develop list of Locations to Install BMPs	List of Locations	S	4	X	X	
VII. Storm Water Management	City		A. Develop a Storm Water Management Program	Develop Storm Water Management Program	Summary of program including relevant ordinances and policies and how the City is addressing the 6 minimum control measures.	S	2	X	X	Post Storm water Plan adoption, program will be implemented on a continual basis.
					Summary and schedule of next steps needed to build the program including identification of specific needs (e.g. a Storm water Design Manual, Ordinances, etc.)	S	3			
	City	RVCOG	B. Reduce Erosion from Development/Construction	Develop Erosion Prevention and Sediment Control (EPSC) Program	Draft EPSC Ordinance	S, P	2	X	X	
				Adopt EPSC Ordinance	S, P	3				
				Draft EPSC Plan	S, P	4				
				Completed EPSC Plan	S, P	5				
VIII. Animal Waste Management	City		A. Waste Bag Stations for Animal Wastes	Develop Locations for Waste Bag Stations	Current Waste Bag Stations	S	Annually	X		

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					Harnish Park Chamberlain Park					
				Identify locations for future stations	Updated list of locations and stations completed.	S	2	X		Year 2012
				Future Waste Bag Stations						
				Mattie Brown Park						
				Little Butte Creek Park						
				Lucas Park						
				Ponderosa Park						
				Dianne Wetlands Path						
	City	LBWC, ODA	B. Animal Waste Management Programs in Agricultural Areas	Continue Partnerships with LBWC and ODA for Animal Waste Management Programs in Agricultural Areas.	Summary of activities	S, P	Annually	X		
IX. Contaminant Discharge Management	City	DEQ	Create Illegal Dumping/Illicit Discharge Detection and Elimination (IDDE) Program	Review existing storm water requirements for IDDE requirements.	Summary of existing programs and any identified needs.	S, P	1	X		
				Review Existing Ordinances	Summary of existing programs and any identified needs.	S, P	1	X		
				Develop and/or refine Ordinance	Completed ordinance.	S, P	2	X		
				Update Storm water Maps	Completed map.	S, P	2	X		
				Enforce Ordinances	Summary of any enforcement actions.	S	A	X		
X. Failing Septic Systems	City	DEQ, RVSS, JACO Health Dept.	A. Failing on-site sewage disposal systems	Develop List of Sewage Systems not hooked to RVSS	Update System List	S	Ongoing	X		
				Coordinate with RVSS/JACO	Summary of activities.	S, P	Ongoing	X		
				Notify DEQ of failing systems	Summary of any notifications.	S	A	X		
XI. Outreach & Education	City	LBWC, RVCOG, MWC, Regional Partnership, RVSS, D9	A. Outreach/Education Strategy	Identify Potential Outreach Projects	Work /w region on public education & outreach programs	S, P	3	X	X	Annual activity.
				Distribute Public Education Info	Distribute brochures at Harnish Park and set up electronic monitoring station interface (Computer).	S, P	1	X	X	Ongoing distribution @ Harnish Park Center.
					Provide Technical Assistance/Resources to Restore and protect Riparian Areas	S, P, V	A	X	X	
	City				Inform animal owners of problems related to fecal waste.	S, P	A	X		
					Develop and/or refine public posting program for bacteria notifications.	S, P	A	X	X	
	LBWC, RVSS, MWC, SWCD	City		Promote, Participate in Water Quality Events	Summary of events promoted and staffed.	S, P, V	A	X	X	
				Budgeting	Develop budget for education and outreach program.	S, P	1	X	X	
				Staff Training	Summary of programs including dates, attendance, and agendas/topics covered.	S, P, G	A	X	X	
XII. Regional Water Quality	City	MWC, LBWC	A. Continue participation in the TMDL program.	Continue to attend regional TMDL meetings and other sponsored activities.	Attendance at quarterly meetings.	S	A	X	X	
XIII. Funding	City	Budget Committee	A. Funding Resource Analysis	Evaluate the costs of program implementation.	Departmental Involvement	S	A	X	X	
	LBWC, MWC, RVSS, SWCD, RVCOG			Identify program funding opportunities.	List of funding opportunities created.	S, P	1	X	X	

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					Administration	S	A	X	X
					Finance	S	A	X	X
					Budget Committee	S	A	X	X
					Public Works	S	A	X	X
					City Budget - General Fund	Annual Budget	A	X	X
					Storm Water Fund				
XIV. Monitoring & Reporting	City	MWC, LBWC, BOR	A. Monitor Implementation Plan	Monitor/Post Little Butte Creek	Summary of data.	S, P, V	A	X	X
				Monitor Bacteria in Little Butte Creek	samples	S, P, G	A	X	X
				Real Time Data Reports - Turbidity, Conductivity, Flow, Temperature, Ph Levels	Completed real time interface of parameters at Harnish Park education center.	S, P, V	A	X	X
				Utilize Harnish Park Monitoring System	Create/review monitoring reports.	S, P, V	A	X	X
			B. Annual Reports to DEQ.	annually.	Complete reports by Sept 30th.	S, P	A	X	X
XV. Ongoing Plan Management	City		A. Review/Update Plan as warranted	Review and revise plan as needed for second 5-year implementation period. (Section 2.2.9, EP Water Quality Plan - Ongoing Plan Management)	Plan submittal	S, P	5	X	X