

Source Cause of Pollutant	Strategy What is being done to reduce pollutant from this source?	How Specifically, how will this be done?	Measure How will successful implementation be demonstrated?	Benchmark What intermediate goals will be achieved, and by when, to know progress is being made?	Timeline When will strategy begin or be completed?	Strategy Status	Pollutant				
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Development, Redevelopment, and Watershed Management	Use enforcement and other measures to maintain stream vegetation.	Create city ordinances that can benefit stream health	Track ordinances	Enables enforcement actions for complying	Review As-needed		X	X	X	X	X
		Wetland Protection Ordinance	Track and document violations and enforcement of PMC 18.55.020(A)	Enables enforcement actions for complying	In place PMC 18.55.020(A)		X	X	X	X	X
		Tree Protection Ordinance (Riparian setback)	Track and document violations and enforcement of PMC 18.55.020(B)	Enables enforcement actions for complying	In place PMC 18.55.020(B)		X	X	X	X	X
		Wetland, riparian, native vegetation area protection	Track and document violations and enforcement of PMC 18.55.050	Enables enforcement actions for complying	In place PMC 18.55.050		X	X	X	X	X
		Inspect city controlled riparian areas regularly	Document violations and issues	Occurrence of ordinance violations continues to decrease	Monthly		X	X	X	X	X
		Inspect city controlled riparian areas after each windstorm.	Document issues		In place		X	X	X	X	X
Development, Redevelopment, and Watershed Management	Increase shade along city streams	Work independently or with schools and other groups to plant and maintain trees along streams in Philomath	Track number of trees planted and monitor survival rate	Replacing dead and dying trees before the need to remove.	No less than annually, but also ties into inspection of riparian areas and other tree inspection work.		X	X	X	X	X
Development, Redevelopment, and Watershed Management	Assess stream health and canopy cover to focus on restoration efforts	Use city arborist and outside groups to assess streams yearly	Restoration projects implemented	Document locations that are identified as restoration candidates and develop timeline for implementation	Ongoing		X	X	X	X	X

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Public Works Maintenance Practices	Update Policies	Review existing operation and maintenance practices regularly	Document current procedures	Ensure BMP's and actions are current	As needed		X	X	X	X	X
		Update O & M Manual as needed	Document modifications to manual.	Keeps manual up-to-date	As needed		X	X	X	X	X
	Catchbasin Inspection/cleaning Policy	Creating and updating catchbasin inspection and cleaning policy	Document procedures and modifications to maximize efficiency and water quality	Monitor amount of debris found in catchbasins during cleaning.	Catchbasins are inspected yearly. Catchbasins that have debris filling more than 50% of their sumps or have 6" or more over all sediment will be cleaned.		X	X	X	X	X
Development and Redevelopment	Catchbasin Cleaning	Clean and inspect catchbasins	Track sediment depths in catchbasins	Clean catchbasins on a regular basis; gather data on where most sediment is being collected to better determine and track cause.	Catchbasins that have debris filling more than 50% of their sumps or have 6" or more over all sediment will be cleaned.		X	X	X	X	X
	Stormline	Clean and inspect stormlines	TV inspect stormlines and track debris build up in lines	Identify damaged pipe and flow problems	Stormline cleaning has begun TV inspections upon acquiring camera equipment by 2017		X	X	X	X	X
Street Debris	Remove debris from streets	Sweep all paved city streets per city policy	Following Street Sweeping Policy	Track time spent sweeping	As Needed		X	X	X	X	X
Public Operations and Maintenance Practices	Train staff in infrastructure and housekeeping procedures	During monthly staff meetings time for stormwater training issues will be allocated. Use of various training methods will be used.	Track attendance on sign in sheet	Field inspections of employees' performance of using BMP's when required.	Started in 2010; Monthly At staff and safety meeting, first Thursday of the month.		X	X	X	X	X

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Spills and Illicit Discharges	Establish enforcement authority for illicit discharges	Enforce IDDE ordinance PMC 13.40.150 to 13.40.330	Track and document illicit violations and enforcement actions	Continue to enable enforcement actions related to IDDE	Passed in 2009; ongoing		X	X	X	X	X
	Develop Plan to detect illicit discharges	Develop procedures to address non-stormwater discharges	Document procedures	Provide a consistent means of investigating IDDE's	Completed April 2011 Revised Oct 2014		X	X	X	X	X
		Develop investigative sampling and monitoring plan	Document plan	Provide a consistent means of investigating IDDE's	Contained in the overall IDDE plan		X	X	X	X	X
		Develop worksheets for inspections	Document worksheets	Provide a consistent means of inspections of storm system outfalls.	Completed April 2011		X	X	X	X	X
Spills and Illicit Discharges	Train employees in illicit discharge investigation and spill response.	Provide training to staff that will respond to spills and investigations. Training will occur monthly at the regular staff meetings as a part of the NPDES training whenever possible.	Conducting training on NPDES and TMDL a minimum of 9 times a year.	To ensure employees are following bmp's on stormwater issue and are comfortable with responses and investigations.	Nine times a year		X	X	X	X	X

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Spills and Illicit Discharges	Conduct illicit discharge investigations	update stormwater outfall map as needed	outfall maps are kept current	Inventory all outfalls and their characteristics	As needed		X	X	X	X	X
	Conduct illicit discharge investigations	Respond and investigate reports of illicit discharges	Document location, substance and all pertinent information on investigation form	Track and document reports of illicit discharges	As-needed		X	X	X	X	X
	Clean-up illegal dumps	Identify illegal dumps; respond to reports of illegal dumps.	Track number of calls or contacts along with number of citations issued and resolution	Reduce number of instances of illegal dumping	As-needed		X	X	X	X	X
	Respond to Spills	Spill responses by Public Works or Fire Department. (Fire calls PW for assistance)	Track location of spills with field response worksheet	To contain spills safely and rapidly.	As needed		X	X	X	X	X
	Maintain up to date Stormwater conveyance systems maps	Update maps as needed	Maps are up to date	Staff have access	As needed		X	X	X	X	X
	Establish authority to require Sewer Hookup	Enforce Sewer Ordinance PMC 13.20.060	Track and document violations and enforcement actions	Continue to enable enforcement actions for compliance	Ongoing		X	X			
Illegal Dumping	Provide opportunity for citizens to dispose of junk at no cost.	Offer free dumpsters for citizens to clean up properties and dispose of garbage and junk.	Document disposal events	Team with local waste removal company and provide local location for dumping.	Yearly		X	X	X	X	X
Pet and Animal waste	Establish Animal Sanitation program	Enforce Animal Sanitation ordinance 6.10.080, 6.10.050 (B), and 13.40.170 and any other pertinent ordinance, and facilitate animal sanitation practices	Track and document violations and enforcement actions	Continue to enable enforcement actions for compliance	Ongoing		X	X			
			Track number of bags or cost of maintaining pet waste stations	Pet stations supplied	Ongoing		X	X			
	Establish "No Feeding Wildlife" ordinance	Enforce Wildlife ordinance PMC 6.11.030 to 6.11.060	Track violations and enforcement actions	Enables enforcement actions for complying	As needed		X	X		X	

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Construction Runoff	Implement Construction Site Sediment Control and Post Construction Runoff Policy	Develop an IGA with Benton County to implement the policy	Track violations and enforcement actions	IGA between Benton County and Philomath completed	Ongoing	X	X	X	X	X
All	Use Stormwater Fee to support stormwater program	Budget for stormwater system maintenance and repair	Track and document stormwater program costs and budget	Continue to fund stormwater program	Implemented in 1998. Increased fee in 2016.	X	X	X	X	X
All	Provide mechanism to report stormwater, illicit discharge and erosion issues	Provide email link on City Website for reporting stormwater issues and inform community members that reporting can be done by email from city website	Track and document reports	Staff address reports [in a timely manner] What is the protocol for responding to complaints/ reports received via email? To respond as soon as complaint is received.	Ongoing	X	X	X	X	X
All	Provide mechanism to maintain Bioswales and Detention ponds	The Public Works Design Standards require a Home Owners Association to fund repair and maintenance issues for swales and ponds. The City inspects yearly for compliance. The Storm Utility Fee funds maintenance on City controlled Swales and Ponds.	Tracking Inspection Sheets	Ensures BioSwales and Detention Ponds are kept in good working order	Annually with Outfall inspections	X	X	X	X	
All	Develop Low Impact Development Manual	Work with Benton County to Develop a Low Impact Development Manual. Benton County provides services that would cover LID.	Develop Manual	Benton County would adopt ordinance enacting this LID manual and it would be included in the IGA with Philomath	Unknown at this time but expect to begin in 2017 and completed by 2018.	X	X	X	X	X

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All	Website Education	Provide stormwater information on then city website	Provide links to webpages	Post stormwater info on website and ensure links are kept updated.	Ongoing	X	X	X	X	
	City Council Awareness	Include TMDL and NPDES reports to the City Council	TMDL Plan and NPDES reports will be included in Council packets	City Councilors will receive TMDL and NPDES reports at least annually	Annually	X	X	X	X	X
	Newspaper articles	Team with Benton County to submit press releases to local newspaper and/or to city newsletter to coincide with NPDES releases	Publish articles in the newspaper and newsletter in partnership with Benton County	Articles published	1 to 2x a year	X	X	X	X	X
	Door Hangers	Hang informational door hangers on each resident in Philomath.	Through NPDES report	Ensures each home receives stormwater information	Approx 2 times in 5 year permit cycle	X	X	X	X	X
	Public Outreach	Team with Benton County to reach broader area of people through there many events	Host or support local outreach events	Interacting with citizens	Host or contribute to 1 or 2 a year; combined with fire department open house, Arbor Day and school demonstrations.	X	X	X	X	X
	Tree Planting Program	Through the inspections of the Riparian areas and public owned properties and right-of-ways, planting and replacing trees as needed.	By tree inventories	Provide canopy cover and storm water collection	Inspections are ongoing. After storms, expected projects, when arborist is on customer service every 5 weeks or when complaints are filed.	X	X	X	X	X

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Spills and illicit discharges	All storm drains are marked in the city to raise awareness that catchbasins drain to streams.	Attaching stormwater medallions on catchbasins.	All catchbasins inspected and marked	All catchbasins inspected	Annual		X	X	X	X	X
Construction Site Runoff	Educate developers and builders of construction site BMP's	Provide BMP brochure with each building permit issued	Each developer or builder will receive a BMP brochure with their building permit prior to any ground disturbance	Roadways around construction sites will be cleaner; less track out	Ongoing		X	X	X	X	X
All	Sample stormwater	Sample stormwater monthly at select locations for DO, pH, Temperature, Turbidity and occasionally for other parameters.	Track results	Possibly to monitor success of BMP's	Monthly		X	X	X	X	X
All	Replace and expand vegetation	Use inspections to note downed and damaged trees and other vegetation	Work orders; acres treated	Enables inspections and follow-up actions	Ongoing			X			X