

DMA Name: Polk County

Receiving Waterbodies: Willamette River, Luckiamute River, Rickreall Creek, Glenn Creek, Gibson Creek, Spring Valley Creek,

Subbasin: Mid & Upper Willamette

Ash Creek, Hartman Slough, as well as tributaries to those waterbodies within the jurisdiction of Polk County

	POLLUTANT	SOURCE	STRATEGY	HOW	MEASURE	TIMELINE	BENCHMARK	FISCAL ANALYSIS	
	<i>What TMDL pollutant(s) does this strategy address?</i>	<i>What suspected sources of this pollutant are under Polk County's jurisdiction</i>	<i>What is being done, or what will Polk County do to reduce and/or control pollution emanating from this source?</i>	<i>Specifically, how will this be done?</i>	<i>How will Polk County demonstrate successful implementation or completion of this strategy?</i>	<i>When will the strategy begin? Be completed?</i>	<i>What intermediate goals will be achieved, and by when, to know progress is being made?</i>	<i>Additional resources necessary to implement strategy & how resources will be obtained</i>	<i>Funding Source of for additional required resources</i>
1	Temperature, Mercury, & Bacteria	Solar radiation & stormwater runoff	Continue implementation of the riparian setbacks required by PCZO 182.050(B). Riparian vegetation provides shade over rivers and streams, which reduces river and stream temperatures. Riparian areas also act as a filter for pollutants including mercury and bacteria.	Require riparian setbacks during planning and building permit review. Maintain riparian setbacks when maintaining parks.	The Planning Division will maintain an accessible inventory of county riparian management plans. The inventory will contain the following information: location, affected water bodies, and an estimated size of riparian vegetation gain vs. loss.	Ongoing	N/A	None	N/A
2	Temperature, Mercury, & Bacteria	Solar radiation & stormwater runoff	Explore grant funding for stream bank restoration in County road and park projects. Riparian vegetation provides shade over rivers and streams, which reduces river and stream temperatures. Riparian areas also act as a filter for pollutants including mercury and bacteria.	Planning and Public Works staff will explore grant opportunities in order to raise funds for stream restoration during County road and park projects	Number, type, location and size of restoration projects completed each year	Ongoing	N/A	Restoration projects may require additional funding	Riparian area restoration grants
3	Temperature, Mercury, & Bacteria	Solar radiation & stormwater runoff	Maintain a stormwater website as a method to provide information to the public. This information will include strategies for home owners and construction operators to minimize the quantity and maximize the quality of stormwater that leaves their property.	Planning staff will maintain the stormwater website	Number of hits to the website	Ongoing	N/A	None	N/A

DMA Name: Polk County

Receiving Waterbodies: Willamette River, Luckiamute River, Rickreall Creek, Glenn Creek, Gibson Creek, Spring Valley Creek,

Subbasin: Mid & Upper Willamette

Ash Creek, Hartman Slough, as well as tributaries to those waterbodies within the jurisdiction of Polk County

	POLLUTANT	SOURCE	STRATEGY	HOW	MEASURE	TIMELINE	BENCHMARK	FISCAL ANALYSIS	
	<i>What TMDL pollutant(s) does this strategy address?</i>	<i>What suspected sources of this pollutant are under Polk County's jurisdiction</i>	<i>What is being done, or what will Polk County do to reduce and/or control pollution emanating from this source?</i>	<i>Specifically, how will this be done?</i>	<i>How will Polk County demonstrate successful implementation or completion of this strategy?</i>	<i>When will the strategy begin? Be completed?</i>	<i>What intermediate goals will be achieved, and by when, to know progress is being made?</i>	<i>Additional resources necessary to implement strategy & how resources will be obtained</i>	<i>Funding Source of for additional required resources</i>
4	Bacteria	Septic systems	Enforce upon complaints of failing septic systems	Receive complaints from the public and direct to the Code Enforcement Officer	All complaints will be investigated	Ongoing	N/A	None	N/A
5	Bacteria	Septic systems	Require all applicable permits for the siting, construction, alteration, and repairs of septic systems	Polk County Environmental Health Specialist will review all site evaluation, construction, alteration, and repair permits and track system locations	Polk County will expand their existing program that geocodes new septic system locations to also geocode all existing septic system locations that require an on-site inspection as part of the permitting process, such as repairs and alterations. Expanding the septic system inventory will allow older systems to be georeferenced as well as new septic systems, and provide information about installation, repair, and alteration dates. The inspector will be able to provide notes about their inspection and this information can be used to track a system's age, condition, and location in a digital mapped format.	Ongoing	Polk County will continue to record the GPS location and maintain the data for all new septic system locations. Polk County will begin to record the GPS location of existing septic systems that receive an on-site inspection by the end of 2019.	None	N/A

DMA Name: Polk County

Receiving Waterbodies: Willamette River, Luckiamute River, Rickreall Creek, Glenn Creek, Gibson Creek, Spring Valley Creek,

Subbasin: Mid & Upper Willamette

Ash Creek, Hartman Slough, as well as tributaries to those waterbodies within the jurisdiction of Polk County

	POLLUTANT	SOURCE	STRATEGY	HOW	MEASURE	TIMELINE	BENCHMARK	FISCAL ANALYSIS	
	<i>What TMDL pollutant(s) does this strategy address?</i>	<i>What suspected sources of this pollutant are under Polk County's jurisdiction</i>	<i>What is being done, or what will Polk County do to reduce and/or control pollution emanating from this source?</i>	<i>Specifically, how will this be done?</i>	<i>How will Polk County demonstrate successful implementation or completion of this strategy?</i>	<i>When will the strategy begin? Be completed?</i>	<i>What intermediate goals will be achieved, and by when, to know progress is being made?</i>	<i>Additional resources necessary to implement strategy & how resources will be obtained</i>	<i>Funding Source of for additional required resources</i>
6	Mercury & Bacteria	County road, ditch, and bridge construction and maintenance	Implement erosion and sediment control BMPs during county road, ditch, and bridge construction and maintenance	Public Works staff will implement the BMPs in the Polk County O&M Plan as appropriate during Public Works operations	Public Works will hold weekly meetings when projects are scheduled that require the implementation of sediment and erosion control BMP's. Meeting topics will educate staff on proper sediment and erosion control BMP implementation. Public Works will also evaluate the O&M Plan on an annual basis to determine if revisions are advisable in order to minimize the Public Work's Department's impact on County waterways	Ongoing	N/A	None	N/A
7	Mercury & Bacteria	Stormwater runoff from County and Oregon State Parks properties	Maintain stormwater quality at public parks	Ensure availability of restroom facilities at County and Oregon State Parks properites. Maintain riparian areas.	Polk County will track the number of repairs or septic alterations at County and Oregon State Parks in order to track the functionality of park septic systems. Track the number of projects at public parks that require a riparian management plan.	Strategy will being in 2019 and will be tracked annually.	N/A	None	N/A

DMA Name: Polk County

Receiving Waterbodies: Willamette River, Luckiamute River, Rickreall Creek, Glenn Creek, Gibson Creek, Spring Valley Creek,

Subbasin: Mid & Upper Willamette

Ash Creek, Hartman Slough, as well as tributaries to those waterbodies within the jurisdiction of Polk County

	POLLUTANT	SOURCE	STRATEGY	HOW	MEASURE	TIMELINE	BENCHMARK	FISCAL ANALYSIS	
	<i>What TMDL pollutant(s) does this strategy address?</i>	<i>What suspected sources of this pollutant are under Polk County's jurisdiction</i>	<i>What is being done, or what will Polk County do to reduce and/or control pollution emanating from this source?</i>	<i>Specifically, how will this be done?</i>	<i>How will Polk County demonstrate successful implementation or completion of this strategy?</i>	<i>When will the strategy begin? Be completed?</i>	<i>What intermediate goals will be achieved, and by when, to know progress is being made?</i>	<i>Additional resources necessary to implement strategy & how resources will be obtained</i>	<i>Funding Source of for additional required resources</i>
8	Mercury & Bacteria	Stormwater runoff from construction sites and industrial sites.	Increase awareness of need for 1200-C and 1200-Z permit requirements	Update the existing stormwater brochure to include both 1200-C and 1200-Z permit requirements. Have the brochure available at the Polk County Community Development desk, on the Polk County stormwater website, and distribute with all building permits. Revise the brochure as needed.	Number of brochures distributed	Ongoing	N/A	Resources associated with printing brochures	Building permit fees
				Apply Polk County Code of Ordinances (PCCO) Section 80.133(1) which requires building permit applicants to obtain all necessary DEQ permits.	Application of PCCO 80.133(1) to all applicable building permits	Ongoing	N/A	This review will be accommodated within the existing plan review process.	Building permit fees
9	Mercury & Bacteria	Stormwater runoff from construction sites	Implement Polk County's Erosion and Sediment Control Protections in PCCO 80.133	Apply PCCO 80.133 to all applicable building permits	Application of PCCO 80.133 to all applicable building permits	Ongoing	N/A	None	N/A
10	Mercury & Bacteria	Non-stormwater discharges to the storm drainage system	Implement Polk County's unauthorized discharge restrictions in PCCO 43.057	The Polk County Code Enforcement Officer will follow up on all complaints of potential unauthorized discharges into the storm sewer system as described in PCCO 43.057	Investigation into all complaints of violations to PCCO 43.057	Ongoing	N/A	Investigation into complaints of non-compliance with PCCO 43.057 will be absorbed within the Code Enforcement Program.	N/A
11	Mercury & Bacteria (Within the Salem UGB)	Stormwater runoff in the Salem UGB	Implement SWMP for the area within Polk County and the City of Salem UGB.	Adhere to the implementation schedule in the SWMP	Completion of projects as specified in the SWMP	Timelines specified in the SWMP	Benchmarks specified in the SWMP	Costs associated with acquiring or printing brochures. Staff time.	Fees & General Fund

DMA Name: Polk County

Receiving Waterbodies: Willamette River, Luckiamute River, Rickreall Creek, Glenn Creek, Gibson Creek, Spring Valley Creek,

Subbasin: Mid & Upper Willamette

Ash Creek, Hartman Slough, as well as tributaries to those waterbodies within the jurisdiction of Polk County

	POLLUTANT	SOURCE	STRATEGY	HOW	MEASURE	TIMELINE	BENCHMARK	FISCAL ANALYSIS	
	<i>What TMDL pollutant(s) does this strategy address?</i>	<i>What suspected sources of this pollutant are under Polk County's jurisdiction</i>	<i>What is being done, or what will Polk County do to reduce and/or control pollution emanating from this source?</i>	<i>Specifically, how will this be done?</i>	<i>How will Polk County demonstrate successful implementation or completion of this strategy?</i>	<i>When will the strategy begin? Be completed?</i>	<i>What intermediate goals will be achieved, and by when, to know progress is being made?</i>	<i>Additional resources necessary to implement strategy & how resources will be obtained</i>	<i>Funding Source of for additional required resources</i>
12	Mercury	Household hazardous waste. Example: At the October 2018 HHW event, a 5 gallon container (1 pound) of mercury was submitted for proper disposal. Other common household items such as batteries, florescent lights and thermometer exchanges are accepted as these evenets, which contain mercury.	Continue Implementation of the Polk County Household Hazardous Waste Program	Hold one event per year and/or maintain an Intergovernmental Agreement (IGA) to allow Polk County citizens to safely dispose of hazardous waste at the Marion County Household Hazardous Waste Facility.	One Household Hazardous Waste event held each year and/or maintain an IGA with Marion County	Ongoing	N/A	None	N/A

DMA Name: Polk County

Receiving Waterbodies: Willamette River, Luckiamute River, Rickreall Creek, Glenn Creek, Gibson Creek, Spring Valley Creek,

Subbasin: Mid & Upper Willamette

Ash Creek, Hartman Slough, as well as tributaries to those waterbodies within the jurisdiction of Polk County

	POLLUTANT	SOURCE	STRATEGY	HOW	MEASURE	TIMELINE	BENCHMARK	FISCAL ANALYSIS	
	<i>What TMDL pollutant(s) does this strategy address?</i>	<i>What suspected sources of this pollutant are under Polk County's jurisdiction</i>	<i>What is being done, or what will Polk County do to reduce and/or control pollution emanating from this source?</i>	<i>Specifically, how will this be done?</i>	<i>How will Polk County demonstrate successful implementation or completion of this strategy?</i>	<i>When will the strategy begin? Be completed?</i>	<i>What intermediate goals will be achieved, and by when, to know progress is being made?</i>	<i>Additional resources necessary to implement strategy & how resources will be obtained</i>	<i>Funding Source of for additional required resources</i>
13	Temperature, Mercury, & Bacteria	Solar radiation & stormwater runoff	Continue implimentation of Polk County's Targeted Education and Outreach Program	Polk County Community Development staff has generated a mailing list of targeted properties that contain riparian waterways along fish bearing streams and are primarily managed for agricultural crop production. Staff created a brochure intended to be send to these targeted properties with information about riparain area setback requirements, management plan critieria, and local resources available for riparian restoration.	Approximately 100 brochures will be sent per year until all of the targeted properties have received the outreach materials.	The educational brochure will be sent to the entire TEOPS mailing list by the end of 2019.	N/A	Costs associated with printing and mailing. Staff time.	Fees & General Fund
14	Mercury	Roadside litter. Many household products found along roadside ditches contain mercury (ie batteries, light bubs and electronics)	Increase awareness and solicit participation for Polk County's Adopt-A-Road program.	Provide information about Polk County's Adopt-A-Road program on the Polk County stormwater web page. Post an advertisement in a local newspaper once per year containing information on the program.	Update Polk County's stormwater website. Provide an advertisement in the local newspaper once per year.	Ongoing	The Polk County stormwater website will be updated and the first annual ad will be published in the local newspaper by the end of 2018.	Costs associated with publishing an ad in the local newspaper. Staff time.	Fees & General Fund
15	Bacteria	Animal Feces	Increase awareness and/or accessibility to properly dispose of animal waste at County Parks.	Install a sign and/or an animal waste receptical at County Parks	Number of signs and/or animal waste recepticals installed.	Prioritize which parks are most likely to have animal feces (ie hiking trails, public input) by the end of 2019. Use that prioritized list to begin installing signs and/or animal waste recepticals by the end of 2022.	Coordinate with other County Depatments by the end of 2019 to create priority parks list.	Cost associated with installing a sign and/or animal waste receptical.	General Fund

DMA Name: Polk County

Receiving Waterbodies: Willamette River, Luckiamute River, Rickreall Creek, Glenn Creek, Gibson Creek, Spring Valley Creek,

Subbasin: Mid & Upper Willamette

Ash Creek, Hartman Slough, as well as tributaries to those waterbodies within the jurisdiction of Polk County

	POLLUTANT	SOURCE	STRATEGY	HOW	MEASURE	TIMELINE	BENCHMARK	FISCAL ANALYSIS	
	<i>What TMDL pollutant(s) does this strategy address?</i>	<i>What suspected sources of this pollutant are under Polk County's jurisdiction</i>	<i>What is being done, or what will Polk County do to reduce and/or control pollution emanating from this source?</i>	<i>Specifically, how will this be done?</i>	<i>How will Polk County demonstrate successful implementation or completion of this strategy?</i>	<i>When will the strategy begin? Be completed?</i>	<i>What intermediate goals will be achieved, and by when, to know progress is being made?</i>	<i>Additional resources necessary to implement strategy & how resources will be obtained</i>	<i>Funding Source of for additional required resources</i>
16	Temperature, Mercury, & Bacteria	N/A, public participation	Increase public involvement opportunities	A draft copy of th TMDL Implimentation Plan and report will be posted on Polk County's Website.	Date that the report is posted on the Stormwater webpage.	At least 2 weeks prior to the annual report being submitted to DEQ	N/A	None	N/A