

November 29, 2021

Nancy Gramlich  
 Willamette Basin Coordinator  
 Oregon DEQ  
 4026 Fairview Industrial Drive SE  
 Salem, OR 97302

**Subject:** City of Gervais Molalla-Pudding Basin TMDL Plan—5th Year Update Revisions

Attached is the City's revised 2021-2026 Matrix of Management Strategies for TMDL Implementation as well as the current 2016-2021 matrix. Documentation for overall progress for the 2016-2021 time period is also provided. The supporting documentation consists of the following:

### **Management Strategies for Reduction of All Pollutants of Concern**

<b>Management Strategy</b>	<b>Description of 2016-2021 Activities and Results Monitoring</b>
<b>Require stormwater detention and water quality measures with development</b>	During the five year period there have been two development: Dollar General and the 62 lot Ivy Woods development. Detention and water quality were required for both. See attached Storm Water Maintenance and Construction Log.
<b>City Code requirement to protect riparian and wetland areas (17.96.030)</b>	Two small storm drainage projects were contracted out by the City in 2016, and there has been maintenance and tree planting along the Sam Brown Creek. This included erosion control measures. See attached Sam Brown Creek maintenance work entry on the Storm Water Maintenance and Construction Log.
<b>Identification of projects that support implementation efforts</b>	Dollar General and Ivy Woods developments along with small drainage improvements projects contracted out by the City.
<b>Stormwater Master Plan with water quality components</b>	Stormwater Plan Update in 2019. See the master plan at: <a href="http://www.gervaisoregon.org">http://www.gervaisoregon.org</a>
<b>Confirm funding strategy is in place for progressive plan implementation</b>	Based upon recommendations in the storm water master plan a monthly rate increase was adopted and put into effect January 2020. See Stormwater Budget at: <a href="http://www.gervaisoregon.org">http://www.gervaisoregon.org</a>
<b>Solicit public input on TMDL implementation plan</b>	Plan presented to city council yearly. Updated TMDL Plan Viewable at: <a href="http://www.gervaisoregon.org">http://www.gervaisoregon.org</a>
<b>Ongoing assessment of management strategies</b>	The 5-Year review and update was completed in 2016, and 2021.
<b>City Council meeting overview and acknowledgement of all TMDL plans and annual and 5 year reports</b>	Council acknowledgement of the TMDL Plan has been accomplished yearly. See meeting minutes viewable at City website: <a href="http://www.gervaisoregon.org/Agenda___Minutes.html">http://www.gervaisoregon.org/Agenda___Minutes.html</a>

## Management Strategies for Reduction of Mercury, Bacteria, Iron and Pesticides

Management Strategy	Description of 2016-2021 Activities and Results Monitoring
Require erosion control for construction sites	Erosion control has been required on all City projects as well as developments.
Actively maintain Sam Brown Creek	Maintenance activities were performed and trees have been planted. See attached Photos.
Require erosion control for City construction projects	Two small drainage projects were constructed by the City in 2016, another in 2017, and another in 2019. Erosion control was required for each one.
Receive and respond to complaints regarding water quality problems (erosion; illicit discharge)	No complaints received from 2016 through 2021.
Hold annual public cleanup day; continue ongoing cleanup by Public Works	Public cleanup day was held in 2016, 2017, 2018 and 2019. These were posted on the City's website. There was also a cleanup day in 2020 where citizens took their debris to the garbage facility at no charge.
Maintenance of stormwater collection and treatment systems	Standard maintenance has been performed yearly. This includes cleaning catch basins. See Stormwater Maintenance and Construction Log
Maintain maps of City stormwater and sanitary sewer systems	Current maps are viewable on the City website at: <a href="https://www.gervaisoregon.org">https://www.gervaisoregon.org</a> .
Identify and eliminate wastewater treatment plant illicit discharges	No illicit discharges in 2016, 2017, 2018, 2019 and 2020 as documented on the City's DMR reports to DEQ.
Minimize inflow and infiltration of stormwater to wastewater system	The city continues to monitor inflow and infiltration to the wastewater system and submits I/I reports to DEQ every year. See attached Annual Infiltration/Inflow Report to DEQ for 2020. Previous reports have already been submitted.
Regular sweeping of city streets	The normal street sweeping was performed in 2016 through 2021. See attached Street Sweeping Log.

## Management Strategies for Reduction of Temperature

Management Strategy	Description of 2016-2021 Activities and Results Monitoring
Enhance riparian vegetation along Sam Brown Creek	Trees have been planted along Sam Brown Creek. See attached Photo Documentation of Sam Brown Creek.
Maintain status as City Tree USA	The City has maintained its status as a Tree city USA.

## Management Strategies for Reduction of Bacteria

Management Strategy	Description of 2016-2021 Activities and Results Monitoring
Enforce ban on pets in City parks (Ord. 13.001)	This continues to be the City's policy, with signage at all parks indicating this rule. Photo of signage attached.

Should you have any questions or comments regarding this letter or attachments, please call Susie Marston or me.

Sincerely,



Gordon Munro, PE  
City Engineer

*Attachment(s)*  
*2015-2020 matrix*  
*2021-2026 updated matrix*  
*Log of Citizen storm water complaints*  
*Log of City Project Erosion Control*  
*Maintenance and construction Log*  
*Street Sweeping Log*  
*Infiltration and Inflow report for 2020*  
*Photo of Park Pet restriction sign*  
*Photo's of storm facilities*

*c: Susie Marston*  
*Central Files*

**Matrix of Management Strategies for TMDL Implementation (2016-2020)**

Strategy Status	Management Strategy	Goal	Pollutant Source Addressed	Specific Actions	Results Monitoring	Timeline	Funding Source
<b>Management Strategies for Reduction of All Pollutants of Concern</b>							
2	Require stormwater detention and water quality measures with development	Reduce flows and contamination to predevelopment levels	Increased impervious surface with development	Require stormwater detention with new development in accordance with development code	Records of detention and water quality facilities to be submitted with annual report	Ongoing	Developer Funded
2	City Code requirement to protect riparian and wetland areas (17.96.030)	Protect Riparian areas and wetlands	All of concern	Erosion control to be measures implemented with City construction projects	Maintain and submit records of erosion control on smaller projects with annual report.	Ongoing	Developer Funded
2	Identification of projects that support implementation efforts	Increase public awareness	NA	Provide Notice on project documents	Document code implementation on staff reports. Viewable at: <a href="http://www.gervaisoregon.org/Agenda_Minutes.html">http://www.gervaisoregon.org/Agenda_Minutes.html</a> Maintain and submit records of erosion control on smaller projects with annual report.	Ongoing	Various
2	Stormwater Master Plan with water quality components	Institute water quality improvements for larger developments	All of concern	Budget for Updating Stormwater Master Plan	View Stormwater Budget at: <a href="https://www.gervaisoregon.org">https://www.gervaisoregon.org</a>	2018	Stormwater Fund
3	Confirm funding strategy is in place for progressive plan implementation	Provide adequate funding	All of concern	Review Funding Program	View Stormwater Budget at: <a href="https://www.gervaisoregon.org">https://www.gervaisoregon.org</a>	2016-2020	NA
3	Solicit public input on TMDL implementation plan	Facilitate public involvement	N/A	Provide TMDL Plan information on City website	TMDL Plan Viewable at: <a href="https://www.gervaisoregon.org">https://www.gervaisoregon.org</a>	2016-2020	General Fund
4	Ongoing assessment of management strategies	Improve Implementation Plan	N/A	Review Plan Annually	Documented in Annual Report	Ongoing	General Fund
5	City Council meeting overview and acknowledgement of all TMDL plans and annual and 5 year reports	Increase public awareness	NA	Council acknowledgment	Document council acknowledgement on meeting minutes. Viewable at: <a href="http://www.gervaisoregon.org/Agenda___Minutes.html">http://www.gervaisoregon.org/Agenda___Minutes.html</a>	2016-2020	NA

Strategy Status	Management Strategy	Goal	Pollutant Source Addressed	Specific Actions	Results Monitoring	Timeline	Funding Source
<b>Management Strategies for Reduction of Mercury, Bacteria, Iron, Pesticides</b>							
2	Require erosion control for construction sites	Reduce construction site stormwater runoff	Erosion from construction sites	Require DEQ 1200C erosion control permit for more than 1 acre of soil disturbance; City-enforced code requirements for erosion control for smaller projects	Maintain records of 1200C permits submitted to DEQ. Maintain and submit records of erosion control on smaller projects with annual report.	Ongoing	Developer Funded
2	Actively maintain Sam Brown Creek	Reduce erosion along Sam Brown Creek	Bank erosion due to high flows	Maintain vegetation along drainageway, remove debris as needed	Document existing conditions and riparian vegetation retained w/ photos of Creek. Submit photos and receipts for trees annually.	Ongoing	Stormwater Fund
2	Require erosion control for City construction projects	Reduce sediment laden runoff from City projects	Erosion from City projects	Educate city staff about erosion control	Maintain and submit records of erosion control on smaller projects with annual report.	Ongoing	General Fund
2	Receive and respond to complaints regarding water quality problems (erosion; illicit discharge)	Eliminate illicit discharges	Domestic waste; erosion	Enforce nuisance control ordinance; Coordinate complaint with code enforcement	Maintain records of number of complaints handled, number of referrals. Submit records with annual report.	Ongoing	General Fund
2	Hold annual public cleanup day; continue ongoing cleanup by Public Works	Reduce debris in the drainage system; Increase public awareness	Contamination from trash and debris	Plan and publicize cleanup day	Annual Cleanup Day notice posted on website: <a href="https://www.gervaisoregon.org">https://www.gervaisoregon.org</a>	Ongoing	Stormwater Fund
2	Maintenance of stormwater collection and treatment systems	Increase effectiveness of pollutant reduction	Surface water contaminants	Clean out catch basins; Jet pipes and removed debris as needed	Maintain system maintenance record. Submit maintenance log annually.	Ongoing	Sewer and Street Fund
2	Maintain maps of City stormwater and sanitary sewer systems	Eliminate illicit discharges	Illicit connections to sewers	Update existing maps periodically	Update system map as changes occur. Map viewable on website at: <a href="https://www.gervaisoregon.org">https://www.gervaisoregon.org</a>	Ongoing	Sewer Fund
5	Identify and eliminate wastewater treatment plant illicit discharges	Eliminate illicit discharges	Bacteria and suspended solids	Treatment plant effluent monitoring	Documentation of illicit discharges and response actions on Daily Monitoring Reports submitted to DEQ.	Ongoing	Sewer Fund
5	Minimize inflow and infiltration of stormwater to wastewater system			Inspect sewer system for I/I and cross connections; Repair as required	Annual DEQ I/I report to be submitted with annual TMDL Report.	Ongoing	Sewer Fund

Strategy Status	Management Strategy	Goal	Pollutant Source Addressed	Specific Actions	Results Monitoring	Timeline	Funding Source
5	Regular sweeping of city streets	Reduce sediment and chemicals from entering storm drainage system	Bacteria, nutrients, sediment, iron and mercury	Monthly street sweeping	Maintain records of street sweeping operations. Street sweeping log to be submitted with annual TMDL Report.	Ongoing	Street Fund
<b>Management Strategies for Reduction of Temperature</b>							
1	Enhance riparian vegetation along Sam Brown Creek	Provide shading to reduce stream water temperature	Solar heating from lack of shade canopy	Install a minimum of 4 trees annually along Creek.	Document new riparian vegetation installation w/ photos of Creek and Maintenance log. Submit both with annual report	Ongoing	General fund
5	Maintain status as City Tree USA	Provide shading to reduce stormwater water temperature	Solar heating from lack of shade canopy	Maintain yearly minimum tree related expenditures of \$2 per capita	Status documented on staff reports at: <a href="http://www.gervaisoregon.org/Agenda___Minutes.html">http://www.gervaisoregon.org/Agenda___Minutes.html</a>	Ongoing	General fund
<b>Management Strategies for Reduction of Bacteria</b>							
1	Enforce ban on pets in City parks (Ord. 13.001)	Reduce pollutant loading to surface waters	Pet waste	Incorporate pet ban signage in new park	Document with submitted photos of sign installations. Submit photos with 2016 TMDL report.	Ongoing	General fund

Strategy Status Codes:

1. Complete
2. Incomplete
3. Not Implemented
4. Delete
5. Table B
7. Table B. New

**Matrix of Management Strategies for TMDL Implementation (2021-2026)**

Strategy Status	Management Strategy	Goal	Pollutant Source Addressed	Specific Actions	Results Monitoring	Timeline	Funding Source
<b>Management Strategies for Reduction of All Pollutants of Concern</b>							
1	Require stormwater detention and water quality measures with development	Reduce flows and contamination to predevelopment levels	Increased impervious surface with development	Require stormwater detention with new development in accordance with development code	Records of detention and water quality facilities to be submitted with annual report	Ongoing	Developer Funded
1	City Code requirement to protect riparian and wetland areas (17.96.030)	Protect Riparian areas and wetlands	All of concern	Erosion control to be measures implemented with City construction projects	Maintain and submit records of erosion control on smaller projects with annual report.	Ongoing	Developer Funded
2	Identification of projects that support implementation efforts	Increase public awareness	NA	Provide Notice on project documents	Document code implementation on staff reports. Viewable at: <a href="http://www.gervaisoregon.org/Agenda_Minutes.html">http://www.gervaisoregon.org/Agenda_Minutes.html</a> Maintain and submit records of erosion control on smaller projects with annual report.	Ongoing	Various
1	Stormwater Master Plan with water quality components	Institute water quality improvements for larger developments	All of concern	Budget for Updating Stormwater Master Plan	View Stormwater Budget at: <a href="https://www.gervaisoregon.org">https://www.gervaisoregon.org</a>	2018	Stormwater Fund
2	Confirm funding strategy is in place for progressive plan implementation	Provide adequate funding	All of concern	Review Funding Program as needed. Rates and SDC's are in place.	View Stormwater Budget at: <a href="https://www.gervaisoregon.org">https://www.gervaisoregon.org</a>	On-going	Rates and SDC's
2	Solicit public input on TMDL implementation plan	Facilitate public involvement	N/A	Provide TMDL Plan information on City website	TMDL Plan Viewable at: <a href="https://www.gervaisoregon.org">https://www.gervaisoregon.org</a>	2021-2026	General Fund
1	Ongoing assessment of management strategies	Improve Implementation Plan	N/A	Review Plan Annually	Documented in Annual Report	Ongoing	General Fund
1	City Council meeting overview and acknowledgement of all TMDL plans and annual and 5 year reports	Increase public awareness	NA	Council acknowledgment	Document council acknowledgement on meeting minutes. Viewable at: <a href="http://www.gervaisoregon.org/Agenda_Minutes.html">http://www.gervaisoregon.org/Agenda_Minutes.html</a>	2016-2020	NA
2	Implement Storm Water Master Plan	Regular catch basin cleaning	All of concern	Purchase a vacuum truck	Record when truck is purchased	2021-2026	General Fund

Strategy Status	Management Strategy	Goal	Pollutant Source Addressed	Specific Actions	Results Monitoring	Timeline	Funding Source
<b>Management Strategies for Reduction of Mercury, Bacteria, Iron, Pesticides</b>							
2	Require erosion control for construction sites	Reduce construction site stormwater runoff	Erosion from construction sites	Require DEQ 1200C erosion control permit for more than 1 acre of soil disturbance; City-enforced code requirements for erosion control for smaller projects	Maintain records of 1200C permits submitted to DEQ. Maintain and submit records of erosion control on smaller projects with annual report.	Ongoing	Developer Funded
2	Actively maintain Sam Brown Creek	Reduce erosion along Sam Brown Creek	Bank erosion due to high flows	Maintain vegetation along drainageway, remove debris as needed	Document existing conditions and riparian vegetation retained w/ photos of Creek. Submit photos and receipts for trees annually.	Ongoing	Stormwater Fund
2	Require erosion control for City construction projects	Reduce sediment laden runoff from City projects	Erosion from City projects	Educate city staff about erosion control	Maintain and submit records of erosion control on smaller projects with annual report.	Ongoing	General Fund
2	Receive and respond to complaints regarding water quality problems (erosion; illicit discharge)	Eliminate illicit discharges	Domestic waste; erosion	Enforce nuisance control ordinance; Coordinate complaint with code enforcement	Maintain records of number of complaints handled, number of referrals. Submit records with annual report.	Ongoing	General Fund
2	Hold annual public cleanup day; continue ongoing cleanup by Public Works	Reduce debris in the drainage system; Increase public awareness	Contamination from trash and debris	Plan and publicize cleanup day. Not done during covid-19 restrictions.	Annual Cleanup Day notice posted on website: <a href="https://www.gervaisoregon.org">https://www.gervaisoregon.org</a>	Ongoing	Stormwater Fund
2	Maintenance of stormwater collection and treatment systems	Increase effectiveness of pollutant reduction	Surface water contaminants	Clean out catch basins; Jet pipes and removed debris as needed	Maintain system maintenance record. Submit maintenance log annually.	Ongoing	Sewer and Street Fund
2	Maintain maps of City stormwater and sanitary sewer systems	Eliminate illicit discharges	Illicit connections to sewers	Update existing maps periodically	Update system map as changes occur. Map viewable on website at: <a href="https://www.gervaisoregon.org">https://www.gervaisoregon.org</a>	Ongoing	Sewer Fund
2	Identify and eliminate wastewater treatment plant illicit discharges	Eliminate illicit discharges	Bacteria and suspended solids	Treatment plant effluent monitoring	Documentation of illicit discharges and response actions on Daily Monitoring Reports submitted to DEQ.	Ongoing	Sewer Fund
2	Minimize inflow and infiltration of stormwater to wastewater system			Inspect sewer system for I/I and cross connections; Repair as required	Annual DEQ I/I report to be submitted with annual TMDL Report.	Ongoing	Sewer Fund



Strategy Status	Management Strategy	Goal	Pollutant Source Addressed	Specific Actions	Results Monitoring	Timeline	Funding Source
2	Regular sweeping of city streets	Reduce sediment and chemicals from entering storm drainage system	Bacteria, nutrients, sediment, iron and mercury	Bi-Monthly street sweeping	Maintain records of street sweeping operations. Street sweeping log to be submitted with annual TMDL Report.	Ongoing	Street Fund
<b>Management Strategies for Reduction of Temperature</b>							
2	Enhance riparian vegetation along Sam Brown Creek	Provide shading to reduce stream water temperature	Solar heating from lack of shade canopy	Install a minimum of 4 trees annually along Creek.	Document new riparian vegetation installation w/ photos of Creek and Maintenance log. Submit both with annual report	Ongoing	General fund
1	Maintain status as City Tree USA	Provide shading to reduce stormwater water temperature	Solar heating from lack of shade canopy	Maintain yearly minimum tree related expenditures of \$2 per capita	Status documented on staff reports at: <a href="http://www.gervaisoregon.org/Agenda___Minutes.html">http://www.gervaisoregon.org/Agenda___Minutes.html</a>	Ongoing	General fund
<b>Management Strategies for Reduction of Bacteria</b>							
1	Enforce ban on pets in City parks (Ord. 13.001)	Reduce pollutant loading to surface waters	Pet waste	Incorporate pet ban signage in new park	Document with submitted photos of sign installations. Submit photos with 2016 TMDL report.	Ongoing	General fund

Strategy Status Codes:

1. Complete
2. Incomplete – note that on-going work is noted as incomplete
3. Not Implemented
4. Delete

City of Gervais  
Log of Citizen Stormwater Related Complaints

<u>Date</u>	<u>Citizen Name</u>	<u>Address</u>	<u>Decription of Complaint</u>	<u>Followup Action by City</u>
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**City of Gervais**

**Log of Erosion Control Measures with City Construction Projects Since 2010**

<u><b>Date</b></u>	<u><b>Project</b></u>	<u><b>Erosion Control Measures Installed</b></u>
June 2011	Fir Ave and 3rd St. Improvements	Catch Basin Filters in project vicinity
Sept. 2012	Black Walnut Park Project	Silt Fence at project boundary; Biobag filtration across ditch bottom
Aug - Oct 2012	Ivy Ave./ Butteville Road Sidewalk and Drainage Project	Catch Basin Filters along Ivy Ave.
Aug. 2014	2013 Water Tank Project	Silt Fence at Project Perimeter
July 2014	Ivy Ave. Sidewalk and Grade Crossing Improvements	Catch Basin Filters along Fifth St.
Oct. 2014	Alder Ditch Improvements	Biobag filtration across ditch bottom
Sept. 2015	2015 Storm Drainage Project	Catch Basin Filters along Fifth St.
June 2016	Ivy Ave. Widening Project	Biobag Filtration at entry to Grove Ave. Storm Drain.
Aug. 2016	2016 Storm Drainage Project	Biobag Filtration at entry to existing pipe along Fifth St.
June- Sept 2017	Dollar General Store Development	Silt Fence at Project Perimeter
Oct. 2017	2017 Storm Drainage Project	Catch Basin Filters along Fifth St. and 3rd Street
Sept. 2019	4th Street improvements	Catch Bason filters along 4th St
Feb. 2021	Ivy woods Development	Silt Fence at Project Perimeter and catch basin filters

<b>City of Gervais</b>	
<b>Stormwater Maintenance and Construction Log</b>	
<b><u>French Prairie Detention Pond</u></b>	
Date	Description of Work
July and October, 2016	Mowed and used string trimmer to remove excessively tall weeds
	and grass.
August 8,9 2017	Mowed and trimmed.
June 2019	Removal of Blackberries along Hwy 99
<b><u>Sam Brown Creek</u></b>	
Date	Description of Work
5/23/2015	Removed a tree from the ditch at Hwy 99, cut down a removed dead tree
	and removed several loads of trash including a couch.
5/3/16 - 5/5/16	Mowed grass and removed trash
7/11/16 - 7/14/16	Removed trash, Christmas trees, yard waste, blackberries and several tires
Jul 11-13; Aug 3,4, 2017	Mowed, removed trash and blackberries
September 2019	General maintenance and debris removal
<b><u>City Hall Bioswale</u></b>	
Date	Description of Work
Monthly 2016	Weeding, trimming and clearing catch basins
Monthly April - Oct 2017	Weeding and trimming
<b><u>New Projects</u></b>	
Date	Description of Work
6/1/2016	Ivy Widening Project: Installation of 218 LF of 10" storm drainage in 2nd
	Street between Ivy and Hemlock Avenues
8/1/2016	Grove Avenue Drainage Project: Installation of 200 feet of 10" storm
	drain between 5th St and 6th Streets
Sept. - October 2017	Dollar General Store Detention Pond Built, landscaped and approved by City.
Sept. - October 2017	Storm Drain Work on Elm Ave. between 5th and 6th streets and on 3rd St.
	between Ivy and Grove; Installed 300 feet of 10" pipe and 3 catch basins and 1
	manhole, cleaned 205 feet of pipe.
July - August 2018	6th Street Widening Project - Storm Drain Work along 6th St. Between
	Grove Ave and Fir Ave.; Installed 400 feet of 8" storm drain 4 catch basins
September 2019	Cleaning of Drainage swale through wastewater tree farm

City of Gervais								
Monthly Street Sweeping Maintenance								
12/1/2017 to 10/31/2021								
NRC Environmental					City Sweepers			
Invoice	Service				Invoice	Service		
Date	Date	Hours	Rate	Amount	Date	Date	Hours	Rate
12/29/2017	12/13/2017	3.00	115.00	345.00	2/28/2021	2/3/2021	12.75	135.00
1/13/2018	1/10/2018	3.00	115.00	345.00	2/28/2021	2/10/2021	3.00	135.00
2/28/2018	2/21/2018	3.00	115.00	345.00	4/30/2021	4/6/2021	5.00	135.00
3/27/2018	3/13/2018	3.50	115.00	402.50	6/30/2021	6/1/2021	5.00	135.00
5/2/2018	4/10/2018	3.00	115.00	345.00	10/31/2021	10/5/2021	5.00	135.00
6/4/2018	5/15/2018	2.50	115.00	287.50				
6/27/2018	6/13/2018	2.50	115.00	287.50	The City was without street sweeping service between November, 2019 through January 2020. NRC Environmental stopped providing the service and it took some time to find a new company to provide the service. We are back on a regular schedule.			
7/16/2018	7/10/2018	2.50	115.00	287.50				
8/24/2018	8/7/2018	4.00	115.00	460.00				
9/30/2018	9/11/2018	4.00	115.00	460.00				
10/15/2018	10/9/2018	3.00	115.00	345.00				
11/30/2018	11/16/2018	4.00	115.00	460.00				
12/18/2018	12/11/2018	3.00	115.00	345.00				
1/31/2019	1/8/2019	4.00	115.00	460.00				
2/21/2019	2/12/2019	3.00	115.00	345.00				
3/21/2019	3/12/2019	3.00	115.00	345.00				
4/24/2019	4/11/2019	3.00	115.00	345.00				
6/28/2019	6/28/2019	3.00	115.00	345.00				
7/29/2019	7/23/2019	3.00	115.00	345.00				
9/2/2019	8/30/2019	3.25	115.00	373.75				
10/31/2019	10/22/2019	3.00	115.00	345.00				

[illegible]



March 15, 2021

Julie Ulibarri  
DEQ Water Quality Compliance Specialist  
165 E. 7th Avenue, Suite 100  
Eugene, OR 97401-3049

**Re: City of Gervais | Summary of Infiltration/Inflow Related Activities for 2020**

Dear Ms. Ulibarri:

As required by the City's NPDES permit, this letter is provided as a summary of activities performed by the City related to the control of infiltration and inflow (I/I) into the sanitary sewer collection system.

The following activities were performed in 2020:

1. Sanitary sewer system improvements consisted of:
  - a. 520 1<sup>st</sup> Street – Sewer lateral separation due to tree root at main. Camera and replacement cost were \$4195.00.
  - b. 940 2<sup>nd</sup> Street – Sewer Lateral separation due to tree root close to main. Camera and replacement costs were \$3778.00.
  - c. Main trunk line from 1<sup>st</sup> and Fir west to 4<sup>th</sup> and Fir: The line was inspected with a TV camera to the blockage, and then jetted. Line was then re-inspected with a TV camera to find the grease buildup, and the line was jetted and cleaned again. The cost was \$2825.50.
2. Drainage improvements along 4<sup>th</sup> Street between Ivy Avenue and Grove Avenue were constructed, improving the surface drainage in that area.
3. The current funding for the abatement program is \$15,000 per year.
4. The Public Works Department continued to monitor the collection system for obvious inflow sources and illicit connections.

The following I/I reduction related activities are planned to be performed in 2021:

1. Pipeline videoing and manhole inspection is planned for the next several months to identify I/I sources that warrant system repair work. Any repair work that's identified will be scheduled for this coming summer.
2. The City Public Works Department will continue to monitor the collection system for obvious infiltration or inflow.



Please contact Gordon Munro (503-971 330-5168) if there are any comments or questions.

Sincerely,  
**Tetra Tech, Inc.**

A handwritten signature in black ink, appearing to read 'Gordon A. Munro', with a stylized flourish at the end.

Gordon Munro, P.E.

c: John Robinson, City of Gervais



## Pet Restriction Signs at City Parks



At Community Park



At Elm Street Park

STORM FACILITIES PHOTOGRAPHS



Sam Brown Creek Black Walnut St. looking east





Black Walnut Park Retention Pond



Sam Brown Creek looking East in Park





Sam Brown Creek E Ivy St looking East



Ivy Woods development Retention Pond