

# Gilleland Creek Watershed: TMDL Implementation Status

Date of Status Report: 2020, Year 3 (for 12/1/2019 through 12/31/2020)

Revised I-Plan Approval Date: 11/16/17

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## Abbreviations

BMP - best management practices

MS4 - Municipal Separate Storm Sewer System

NPS - nonpoint source

NRCS - Natural Resources Conservation Service

OSSF - on-site sewage facility

SSO - sanitary sewer overflow

SWMP - stormwater management plan

SWCD - Soil and Water Conservation District

TPDES - Texas Pollutant Discharge Elimination System

TSSWCB - Texas State Soil and Water Conservation Board

TxDOT - Texas Department of Transportation

## Management Measures

### Management Measure 1: Riparian Zone Restoration and Protection

Responsible Party	Implementation Measure	Implementation Milestones	Status
City of Austin, Watershed Protection Department and Parks and Recreation Department	<b>1.1 Grow Zones</b> <ul style="list-style-type: none"> <li><b>Year 1:</b> Evaluate adding new Grow Zones in parks within the Gilleland Creek watershed over the five-year time frame of the revised I-Plan</li> <li><b>Years 2-5:</b> Implement Grow Zones as feasible</li> </ul>	<ul style="list-style-type: none"> <li>Evaluations completed</li> <li>Percent of feasible Grow Zones implemented</li> </ul>	No additional Grow Zones have been established in the Gilleland Creek watershed for FY 2020.
City of Austin, Watershed Protection Department and Development Services Department	<b>1.2 Protect Riparian Areas from New Development</b> <b>As new development occurs:</b> Protect existing riparian area plant abundance and diversity from new development by establishing buffers to maintain existing stormwater infiltration and removal of fecal contamination.	Linear feet of protected riparian buffer	Pending new data.

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Lower Colorado River Authority, Creekside Conservation Program. TSSWCB, NRCS, SWCD, landowners	<p><b>1.3 Creekside Conservation Program As landowner indicate interest:</b>                      Develop and implement conservation plans. BMPs implemented through the program include, but are not limited to cross fencing, brush management, range seeding, alternative water source development, and rotational grazing of livestock.</p>	<ul style="list-style-type: none"> <li>• Number of landowner conservation plans developed</li> <li>• Amount of cost-share assistance used to implement specific BMPs;</li> <li>• Number of acres placed under conservation plans;</li> <li>• NPS pollutant load reduction based on completion of BMPs</li> <li>• Number of people participating in Field Day(s).</li> </ul>	LCRA continued to offer the Creekside Conservation Program to landowners within the Gilleland Creek watershed. So far, no landowners within the watershed have participated in the program.

**Management Measure 2: Wastewater Infrastructure Maintenance**

Responsible Party	Implementation Measure	Implementation Milestone	Status
City of Austin, Austin Water	<p><b>2.1 OSSF Regulation As OSSFs fail or do not meet requirements:</b></p> <ul style="list-style-type: none"> <li>• Require failing OSSFs located within 100 feet of City of Austin centralized wastewater collection lines to cut over and properly abandon the OSSF.</li> <li>• Continue to support the existing policy waiving wastewater capital recovery fees for a two-year period after annexation as an incentive to abandon existing OSSFs and connect to the Austin wastewater collection system as new wastewater mains become available in recently annexed areas.</li> </ul>	Number of OSSFs cutovers to Austin wastewater collection system per year.	Austin Water had 51 septic systems cutovers to city sewer in 2020; none of them were in the Gilleland Creek watershed.

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City of Austin, Austin Water	<p><b>2.2 Inspect and Repair Sewer Lines Consistent with citywide wastewater system maintenance schedule:</b>                      Inspect wastewater infrastructure in the affected watershed and prioritize repairs as problems are encountered based on overall condition and criticality.</p>	<ul style="list-style-type: none"> <li>• Number of feet of wastewater lines inspected.</li> <li>• Number of problems encountered and repaired (spot repairs).</li> <li>• Number of feet of wastewater mains replaced/upgraded in affected watershed.</li> </ul>	<p>Austin Water inspected 17,637 linear feet of wastewater line.</p> <p>Austin Water encountered no problems; no repairs were needed.</p> <p>No wastewater mains were replaced or upgraded in the Gilleland Creek watershed.</p>
City of Austin, Austin Water	<p><b>2.3 Sanitary Sewer Overflow Response</b>  <b>As they are discovered:</b>                      Respond to SSOs in affected watershed and remove sewage from creeks during overflow events when feasible.</p>	<p>Volume of wastewater recovered after SSO events in the affected watershed.</p>	<p>No wastewater overflows were recovered.</p>
City of Austin, Austin Water	<p><b>2.4 Private Lateral Inspection</b>  <b>As problems are reported:</b>                      Continue to jet clean and conduct TV inspections of private laterals initiated by private lateral backups, stoppage, or overflows at no additional charge to the affected customers. Continue to repair city infrastructure before customers are required to fix their private lateral. Continue to enforce legal requirements on property owners with verified private lateral failures to ensure the proper repair of the private lateral.</p>	<p>Number of private lateral failures identified per year in the affected watershed.</p>	<p>Austin Water had 216 private lateral failures in CY 2020. None of these failures were in the Gilleland Creek watershed.</p>

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**Management Measure 3: Domestic Pet Waste**

Responsible Party	Implementation Measure	Implementation Milestone	Status
City of Austin, Watershed Protection Department (WPD)	<b>3.1 Citywide “Scoop the Poop” Campaign</b> <b>Annually:</b> Continue citywide domestic pet waste collection public education efforts.	Summary of citywide outreach campaign activities per year.	There were no additional activities in FY 2020 (see 2019 Gilleland annual status report for details).
City of Austin, Watershed Protection Department	<b>3.2 Domestic Waste Signage and Pet Waste Collection Bags at Parks</b> <b>Year 1:</b> Identify which, if any, of the 11 parks in the Gilleland Creek watershed do not currently have pet waste disposal signage and pet waste bag dispensers <b>Years 3-5:</b> Add dispensers and signage where appropriate.	Number of parks with signage and dispensers added per year	In 2020, there were no appropriate park venues in which to erect additional signs.

**Management Measure 4: Stormwater Treatment**

Responsible Party	Implementation Measure	Implementation Milestone	Status
City of Austin, Watershed Protection Department	<b>4.1 New Stormwater Controls on Public Lands</b> <b>Annually:</b> The City of Austin will identify and implement stormwater quality structural control retrofits or new installations on public lands within the affected watershed using capital improvement project funds based on citywide prioritization.	Annual water quality problem severity for stormwater structural control additions of the affected watershed.	No new or retrofit projects were completed during the reporting period, nor are any planned as of April 2021.

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City of Austin, Watershed Protection Department	<p><b>4.2 Inspect City-Owned and Commercial Stormwater Controls Periodically based on citywide schedule, or as problems reported:</b>                      Inspect existing City-owned and commercial stormwater quality controls in the affected watershed and repair problems or require repairs on a periodic basis.</p>	Number of stormwater structural controls inspected within the affected watershed.	WPD inspected 34 commercial ponds and, 26 residential ponds, and performed maintenance on 1 pond during 2020.
City of Austin, Watershed Protection Department	<p><b>4.3 Perform Dry Weather Screening Every five years for outfalls greater than 36 inches:</b>                      Perform dry weather screening of storm drain outfalls greater than 36 inches in the affected watershed.</p>	Number of outfalls inspected within the affected watershed.	City of Austin did not do dry weather screening in FY19-20 due to city-wide COVID-19 safety measures, in addition to transitioning the program from the City's Monitoring group to its Water Quality Compliance group. Austin Water Quality Compliance staff will resume dry weather screening in Year Three of the City's permit.

**Control Action 1: Small MS4 Compliance with SWMP Requirements**

Responsible Party	Implementation Measure	Implementation Milestone	Status
<p>City of Manor, City of Pflugerville, City of Round Rock, Travis County, and TxDOT (statewide permit)</p>	<p>Comply with TPDES Small MS4 Permit and individual SWMPs.</p>	<p>Annual reporting on SWMP progress.</p>	<ul style="list-style-type: none"> <li>• <b>City of Manor:</b> Submitted updated SWMP to TCEQ in July 2019 - has not been approved at this time. Worked on measurable goals required by draft SWMP for 2020.</li> <li>• <b>City of Pflugerville:</b> City of Pflugerville completed its Annual Report and submitted it to TCEQ in April 2020. The City is on track with SWMP progress.</li> <li>• <b>City of Round Rock:</b> The City of Round Rock submitted its Annual Report to the TCEQ in December 2020. The SWMP includes goals for public education regarding pet waste in order to reduce bacteria, as outlined in the I-Plan.</li> <li>• <b>Travis County:</b> Travis County will be reporting its 2020 progress on the I-Plan and their SWMP to TCEQ at the end of calendar year 2021.</li> <li>• <b>TxDOT:</b> TxDOT continues progress on the TMDL component of the TxDOT SWMP. Updates to the TMDL section will be included in TxDOT's Year 5 annual report in 2022.</li> </ul>

**Control Action 2: Monitor and Report *E. coli* Concentrations from WWTF Effluent**

Responsible Party	Implementation Measure	Implementation Milestone	Status
City of Austin, City of Pflugerville, and SWWC Utilities, Inc. (Windermere Utility Company)	Monitor and report effluent <i>E. coli</i> bacteria according to individual permit provisions.	<ul style="list-style-type: none"> <li>• Continue monitoring and reporting <i>E. coli</i>.</li> <li>• Make operational adjustments, and summarize and present data to stakeholders.</li> </ul>	<p><b>For the period 12/1/19 through 12/31/20</b></p> <ul style="list-style-type: none"> <li>• <b>City of Austin, Decker Creek:</b> Facility has no bacteria discharge.</li> <li>• <b>City of Austin, Dessau Road:</b> All <i>E. Coli</i> values were below permitted limits for both Daily Average and Daily Maximum.</li> <li>• <b>City of Austin, Wild Horse Ranch:</b> All <i>E. Coli</i> values were below permitted limits for both Daily Average and Daily Maximum.</li> <li>• <b>City of Austin, Taylor Lane:</b> All <i>E. Coli</i> values were below permitted limits for both Daily Average and Daily Maximum.</li> <li>• <b>City of Pflugerville, Upper Gilleland Creek:</b> No <i>E. coli</i> exceedances. No enforcement actions. No SSOs.</li> <li>• <b>SWWC Utilities, Windermere:</b> No update received.</li> </ul>