

Gilleland Creek Watershed: TMDL Implementation Status

Date of Status Report: 2019, Year 2 (for 12/1/2018 through 12/31/2019)

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

Lead Coordinator: TCEQ

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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	1.1 Grow Zones <ul style="list-style-type: none"> • Year 1: Evaluate adding new Grow Zones in parks within the Gilleland Creek watershed over the five-year time frame of the revised I-Plan • Years 2-5: Implement Grow Zones as feasible 	<ul style="list-style-type: none"> • Evaluations completed • Percent of feasible Grow Zones implemented 	No opportunities in the Gilleland Creek watershed at the current time.
City of Austin, Watershed Protection Department and Development Services Department (City of Pflugerville)	1.2 Protect Riparian Areas from New Development As new development occurs: 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	In City of Austin, ten site plans approved for construction in FY19 included portions of impacted creeks that are protected under the 2013 Watershed Protection Ordinance. Cumulatively, the ordinance has protected approximately 6.1 miles of riparian buffer in the impacted watersheds.

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Lower Colorado River Authority, Creekside Conservation Program. TSSWCB, NRCS, SWCD, landowners	<p>1.3 Creekside Conservation Program As landowner indicate interest: 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"> • Number of landowner conservation plans developed • Amount of cost-share assistance used to implement specific BMPs; • Number of acres placed under conservation plans; • NPS pollutant load reduction based on completion of BMPs • Number of people participating in Field Day(s). 	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>2.1 OSSF Regulation As OSSFs fail or do not meet requirements:</p> <ul style="list-style-type: none"> • Require failing OSSFs located within 100 feet of City of Austin centralized wastewater collection lines to cut over and properly abandon the OSSF. • 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. 	Number of OSSFs cutovers to Austin wastewater collection system per year.	There was one cutover in the Gilleland Basin in FY 18-19.

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City of Austin, Austin Water	<p>2.2 Inspect and Repair Sewer Lines Consistent with citywide wastewater system maintenance schedule: 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"> • Number of feet of wastewater lines inspected. • Number of problems encountered and repaired (spot repairs). • Number of feet of wastewater mains replaced/upgraded in affected watershed. 	No update.
City of Austin, Austin Water	<p>2.3 Sanitary Sewer Overflow Response As they are discovered: Respond to SSOs in affected watershed and remove sewage from creeks during overflow events when feasible.</p>	Volume of wastewater recovered after SSO events in the affected watershed.	No update.
City of Austin, Austin Water	<p>2.4 Private Lateral Inspection As problems are reported: 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>	Number of private lateral failures identified per year in the affected watershed.	No update.

Management Measure 3: Domestic Pet Waste

Responsible Party	Implementation Measure	Implementation Milestone	Status
<p>City of Austin, Watershed Protection Department (WPD)</p>	<p>3.1 Citywide “Scoop the Poop” Campaign Annually: Continue citywide domestic pet waste collection public education efforts.</p>	<p>Summary of citywide outreach campaign activities per year.</p>	<p>City of Austin WPD works with two non-profit organizations and Austin Animal Center to reach the public year-round at events, at on-site animal adoptions and spay/neuter appointments, and through social media, websites, newsletters, brochures, and giveaways (Scoop the Poop branded clip-on pet waste bag holders, hand sanitizers, and leashes). WPD also conducts its own outreach via social media and a designated Scoop the Poop website, an annual mailing to pet service businesses and dog-friendly apartment buildings to distribute educational brochures, and distribution of free yard signs to residents. Scoop the Poop signage, which includes the City Code, are posted at the pet waste bag dispensers in parks, and large STP signs have been placed at Turkey Creek, Pease Park off-leash area, Barking Springs, and other parks where pet waste accumulation has been a problem. Parks and Recreation Department Rangers provide Scoop the Poop education on-site in parks and have added STP as a component of their current “Leave No Trace” educational campaign.</p>

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City of Austin, Watershed Protection Department	<p>3.2 Domestic Waste Signage and Pet Waste Collection Bags at Parks Year 1: 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 Years 3-5: Add dispensers and signage where appropriate.</p>	Number of parks with signage and dispensers added per year	At this time, there are no appropriate park venues in which to erect additional signs, per Parks and Recreation Department.

Management Measure 4: Stormwater Treatment

Responsible Party	Implementation Measure	Implementation Milestone	Status
City of Austin, Watershed Protection Department	<p>4.1 New Stormwater Controls on Public Lands Annually: 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.</p>	Annual water quality problem severity for stormwater structural control additions of the affected watershed.	City of Austin is repairing existing ponds in the TMDL watershed. No new or retrofit projects occurred during the reporting period or are planned at this time.
City of Austin, Watershed Protection Department	<p>4.2 Inspect City-Owned and Commercial Stormwater Controls Periodically based on citywide schedule, or as problems reported: 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.	To be determined; end of fiscal year reporting began October 2019.
City of Austin, Watershed Protection Department	<p>4.3 Perform Dry Weather Screening Every five years for outfalls greater than 36 inches: 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.	No outfalls were inspected during the 2019 reporting period.

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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"> • City of Manor: Submitted MS4 Annual report to TCEQ on 3/12/2020; submitted updated SWMP to TCEQ in July - still under review. • City of Pflugerville: The City of Pflugerville is finalizing its Annual Report and will submit it in April 2020. • City of Round Rock: The City of Round Rock submitted its Annual Report to the TCEQ in March 2019. Additionally, the SWMP includes goals for public education regarding pet waste in order to reduce bacteria as outlined in the I-Plan. • Travis County: Acquired 55 acres along Gilleland Creek to designate as parkland. Distributed an estimated 4,500 pet waste bags to Travis County residents. • TxDOT: TxDOT continues progress on the TMDL component of the TxDOT SWMP. Updates to the TMDL section will be included in the Year 4 annual report.

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"> • Continue monitoring and reporting <i>E. coli</i>. • Make operational adjustments, and summarize and present data to stakeholders. 	<p>For the period 12/1/18 through 12/31/19</p> <ul style="list-style-type: none"> • City of Austin, Decker Creek: Facility has no bacteria discharge. • City of Austin, Dessau Road: No violations or enforcement actions. No SSOs. Waiting for new permit to be issued. • City of Austin, Wild Horse Ranch: One daily max <i>E. Coli</i> violation in Dec 2018. New permit issued March 12, 2020. One SSO November 2019. One non-potable water spill May 2019. No enforcement actions. • City of Austin, Taylor Lane: No enforcement actions. One unauthorized discharge July 2019 (60 gallons wastewater sludge). • City of Pflugerville, Upper Gilleland Creek: No <i>E. coli</i> violations. No enforcement actions. One SSO. • SWWC Utilities, Windermere: Three <i>E.coli</i> violations. No SSOs. One enforcement action.