

Gilleland Creek Watershed: TMDL Implementation Status

Date of Status Report: 2018, Year 1 (October 31, 2019)

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

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Abbreviations

BMP - best management practices

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 	City of Austin is evaluating obtaining another 1.2 acres of Grow Zone in Musket Valley Neighborhood Park along a tributary of Walnut Creek. No other opportunities at the current time.

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<p>City of Austin, Watershed Protection Department and Development Services Department (City of Pflugerville)</p>	<p>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.</p>	<p>Linear feet of protected riparian buffer</p>	<p>Although not a responsible party for this management measure, City of Pflugerville completed a pilot project in November 2018 to restore a riparian area of Gilleland Creek.</p> <p>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.</p>
<p>Lower Colorado River Authority, Creekside Conservation Program. TSSWCB, NRCS, SWCD, landowners</p>	<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). 	<p>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.</p>

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.
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.

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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 will occur beginning of October 2019.

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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.

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"> • The City of Manor submitted its MS4 Annual Update to TCEQ in March 2019. The City of Manor submitted its renewal for its MS4 permit in July 2019. The permit renewal included a new 5-year SWMP. • The City of Pflugerville reports annually to TCEQ on compliance with its MS4 permit and SWMP. The last Annual Report was submitted March 2018 and the next annual report will be due in April 2020. The City updated its SWMP in response to the new TCEQ general permit which became effective 1/24/2019 and submitted this to TCEQ in July of 2019. The City incorporated a Best Management Practice (BMP) in the latest SWMP to address and meet the goals of the I-Plan. • The City of Round Rock submitted its Annual Report to the TCEQ in March 2019. The City of Round Rock submitted its renewal for its MS4 permit in July 2019, along with an updated SWMP. The SWMP includes goals for public education regarding pet waste in order to reduce bacteria, as outlined in the I-Plan. • The County of Travis distributed 4,500 pet waste disposal bags in the Gilleland Creek watershed to reduce bacteria from pet waste.

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			<ul style="list-style-type: none"> • TxDOT continues progress on the TMDL component of its SWMP. TxDOT submitted its Year 2 report in February 2019 and is currently preparing the annual report for Year 3. The annual report includes updates to the TMDL section.

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 12/1/17 through 12/31/18</p> <ul style="list-style-type: none"> • City of Austin, Decker Creek: No violations or enforcement actions. No SSOs. • City of Austin, Dessau Road: No violations or enforcement actions. Two SSOs. • City of Austin, Wild Horse Ranch: No violations or enforcement actions. One SSO. • City of Austin, Taylor Lane: No violations or enforcement actions. No SSOs. • City of Pflugerville, Upper Gilleland Creek: Two <i>E. coli</i> exceedances, no enforcement actions. Two SSOs. • SWWC Utilities, Windermere: One <i>E. coli</i> exceedance, no enforcement actions. One SSO.