

Gilleland Creek Watershed: TMDL Implementation Status

Date of Status Report: 2021, Year 4 (for 12/1/2020 through 12/31/2021)

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	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 has one Grow Zone in the watershed in the Bellingham Meadows Greenbelt that is about 20 acres and was established in 2019. No new zones have been added at this time.
City of Austin, Watershed Protection Department and Development Services Department	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	No update received.

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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.	No OSSF cutovers were completed within the Gilleland Creek watershed for the implementation reporting period.

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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. 	Austin Water is on target to complete TV inspections of the Gilleland Creek TMDL watershed by September 30, 2022.
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.	There were two SSOs that occurred in the Gilleland Creek watershed in the implementation reporting period. Of those two events, 5,900 gallons were recovered out of a combined total 7,300 gallons overflowed.

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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.	<p>Austin Water continues to jet clean lines and perform CCTV inspection videos of public and private laterals whenever a customer calls with a wastewater issue. Austin Water continues to repair city infrastructure prior to commencing enforcement actions.</p> <p>During this implementation reporting period, there were no private lateral failures identified in the Gilleland Creek Watershed (INFOR/IPS8).</p> <p>At this time, the Austin Water-Utility Development Services Private Lateral Program enforcement actions are currently suspended with October 1st, 2022, being the anticipated date to resume. The City of Austin’s Code, Health Dept, and Watershed Protection Division are currently enforcing for SSOs on private property.</p>

Management Measure 3: Domestic Pet Waste

Responsible Party	Implementation Measure	Implementation Milestone	Status
City of Austin, Watershed Protection Department (WPD)	<p>3.1 Citywide “Scoop the Poop” Campaign Annually: Continue citywide domestic pet waste collection public education efforts.</p>	Summary of citywide outreach campaign activities per year.	WPD’s Education team mailed information to pet friendly business and apartment complexes within the City of Austin’s jurisdiction in fiscal year (FY) 21, however the City did not identify any applicable businesses within their jurisdiction in the TMDL watershed.

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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	City of Austin WPD provides pet waste bags and dispensers to the Parks and Recreation Department (PARD) who ensures that dispensers are available. During FY21, 2,856,000 pet waste bags and 50 pet waste bag dispensers were provided to PARD for city-wide distribution. However, there are no parks in the TMDL watershed that are in the City's jurisdiction.

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.	No retrofits were completed in the TMDL watershed.
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.	26 residential ponds and zero commercial ponds were inspected within the TMDL watershed.

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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.	During FY21, the Dry Weather Screening program shifted to the responsibility of a different workgroup. Due to the shift in responsibilities, the program took the opportunity to update. After designating outfalls for dry weather screening, a new Quality Assurance Project Plan (QAPP) was written for the program. No dry weather screenings were performed during FY21; screening of the newly designated outfalls under the new QAPP will resume in FY22.

Control Action 1: Small MS4 Compliance with SWMP Requirements

Responsible Party	Implementation Measure	Implementation Milestone	Status
City of Manor, City of Pflugerville, City of Round Rock, Travis County, and TxDOT (statewide permit)	Comply with TPDES Small MS4 Permit and individual SWMPs.	Annual reporting on SWMP progress.	<ul style="list-style-type: none"> • City of Manor: Submitted updated SWMP to TCEQ in July 2019 - has not been approved at this time. Worked on measurable goals required by draft SWMP for 2021 and 2022. • City of Pflugerville: No update received. • City of Round Rock: No update received. • Travis County: No update received. • TxDOT: No update received.

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 12/1/19 through 12/31/20:</p> <ul style="list-style-type: none"> • City of Austin, Decker Creek: Facility has no bacteria discharge. • City of Austin, Dessau Road: Dessau WWTP had one Daily Maximum <i>E. Coli</i> excursion of 1,553.1 MPN/100ml Daily on June 2, 2021. The maximum limit is 380 MPN/100ml. • City of Austin, Wild Horse Ranch: Wild Horse Ranch WWTP has had no <i>E. Coli</i> excursions during this monitoring period. • City of Austin, Taylor Lane: Taylor Lane WWTP has had no <i>E. Coli</i> excursions during this monitoring period. • City of Pflugerville, Upper Gilleland Creek: No update received. • SWWC Utilities, Windermere: No <i>E. coli</i> discharges in 2021.