

Water Working Group

Wednesday, April 24, 2019 12:10 PM

- Review management measures from Spicewood TMDL
- Review other TMDL i-Plan management measures (Dry Comal in New Braunfels)
- Riparian Restoration
 - Programs targeting private creekside property owners to encourage restoration
 - Grow Zone Program by City on public lands
- Wastewater (public sanitary sewer)
 - Inspection/Maintenance/Replacement/Relocation away from creeks
 - Sanitary sewer overflow response
 - Wastewater improvement projects in the watershed
- Wastewater (private lateral)
 - Inspection/spill response
 - Consider private lateral inspection as condition on real estate transactions
 - Programs to incentivize replacement of older, poor-quality pipe materials
- Pet waste management
 - Continue/expand public education and outreach
 - More pet waste bag dispensers; more trash receptacles?
- Private (voluntary) stormwater capture for both residential and commercial retrofits
 - Raingardens-incentive programs
 - Cisterns-incentive programs
- Regulatory Solutions for Development
 - Enhanced water quality treatment (Green stormwater Infrastructure?) for redevelopment to get additional water quality benefits (e.g., bacteria reduction)
- Street treatment
 - City retrofit program for "green streets" to add water quality treatment
 - Manufactured Treatment Devices for storm drain inlets
 - Permeable pavers in streets/parking areas to enhance infiltration (look to Denmark, Philadelphia, Atlanta for examples)
 - Street sweeping
- Identify/list/summarize all applicable City regulations relating to water quality
 - Development (e.g., Watershed Protection Ordinance, Urban Watershed Ordinance, Comprehensive Watershed Ordinance)
 - Other administrative regulations (e.g., pet waste, no illicit discharge)
 - Swimming (or new ordinances to prohibit swimming in creek during floods)
- Identify larger storm drain inlets and target for specific water quality structural control retrofits
- Review stormwater structural control effectiveness for parameters of concern, especially bacteria
- Identify (using City ponds database) what parts of Shoal Creek Watershed are not currently treated for water quality (not in drainage area to a water quality pond)
- Review stormwater payment-in-lieu practices for Shoal Creek per Urban Watersheds Ordinance...identify opportunities for more innovation application
- Flood detention regulations
 - Consider impact of detaining stormwater to greenfield (pre-development) levels as was previously considered in CodeNEXT
 - Consider flood diversion tunnels
 - Consider redevelopment exceptions for flooding to allow commercial and residential redevelopment in floodplains in a manner that would reduce flood risk (e.g., elevating structures) at the expense of the development not the City (e.g., reduce safe access requirements if new development can safely shelter in place)

- Water conservation programs that would benefit or impact water quality?
 - Will increase in graywater use for irrigation degrade water quality?
 - Require stormwater capture for irrigation to enhance stormwater capture volumes?