

# Year 1: Status of Gilleland Creek I-Plan Activities

Stakeholders met in March 2012 to discuss and evaluate the progress of I-Plan implementation. The following tables summarize the status of activities for each measure described in the I-Plan.

## Management Measure 1: On-Site Sewage Facilities

Responsible Parties	Implementation Measure	Implementation Milestones	Status
<ul style="list-style-type: none"> <li>Travis County</li> <li>COA</li> <li>TCEQ</li> </ul>	<ul style="list-style-type: none"> <li>Available data mapped and evaluated to identify OSSFs and appropriate authorized agents in the watershed and to create a prioritized list for inspection.</li> </ul>	<ul style="list-style-type: none"> <li>OSSFs and appropriate authorized agents identified</li> <li>OSSF prioritization schedule complete</li> <li>Map created from current data</li> </ul>	<ul style="list-style-type: none"> <li>Agents identified</li> <li>Prioritization schedule in progress</li> <li><a href="#">Draft map</a></li> </ul>
<ul style="list-style-type: none"> <li>Travis County</li> <li>COA</li> <li>TCEQ</li> </ul>	<ul style="list-style-type: none"> <li>As a group, the authorized agents will inspect up to 10% of highest priority OSSFs.</li> </ul>	<ul style="list-style-type: none"> <li># systems inspected</li> <li># malfunctioning systems repaired</li> <li>load reduction based on # of failing systems corrected</li> </ul>	<ul style="list-style-type: none"> <li>Awaiting priority information</li> </ul>
<ul style="list-style-type: none"> <li>LCRA, in conjunction with Travis County and COA</li> </ul>	<ul style="list-style-type: none"> <li>Conduct one workshop for OSSF owners.</li> </ul>	<ul style="list-style-type: none"> <li># of participants</li> <li># people requesting assistance</li> </ul>	<ul style="list-style-type: none"> <li>11 people attended</li> <li>0 requests received</li> </ul>
<ul style="list-style-type: none"> <li>Travis County</li> <li>COA</li> <li>TCEQ</li> <li>LCRA</li> </ul>	<ul style="list-style-type: none"> <li>Provide educational materials to OSSF owners. Three existing LCRA educational booklets are available for distribution by Travis County and COA. COA and Travis County will mail the booklet to OSSF owners with their permits or as a separate, direct mail out or as needed</li> </ul>	<ul style="list-style-type: none"> <li># of materials distributed</li> </ul>	<ul style="list-style-type: none"> <li>LCRA materials available upon request</li> <li>No booklets have been mailed</li> </ul>
<ul style="list-style-type: none"> <li>Travis County</li> <li>COA</li> <li>TCEQ</li> </ul>	<ul style="list-style-type: none"> <li>Provide status reports to stakeholder group at a yearly meeting hosted by TCEQ. Status report to include number of OSSFs inspected and the number of malfunctioning OSSFs repaired or replaced.</li> </ul>	<ul style="list-style-type: none"> <li># of sustained partners and stakeholders participating</li> <li># new stakeholders and partners participating</li> </ul>	<ul style="list-style-type: none"> <li>18 people attended</li> <li>All original stakeholders and partners participated</li> <li>No new partners</li> </ul>

## Abbreviations

BMPs	best management practices	SWCD	Soil and Water Conservation District
COA	City of Austin	TPWD	Texas Parks and Wildlife Department
CRWR	Center for Research in Water Resources	TSSWCB	Texas State Soil and Water Conservation Board
CRWN	Colorado River Watch Network	TWS	Texas Wildlife Services
LCRA	Lower Colorado River Authority	USFWS	United States Fish and Wildlife Service
NRCS	Natural Resources Conservation Service	WWTF	Wastewater Treatment Facility
OSSF	on-site sewage facilities		

**Management Measure 2: Riparian Zones**

Responsible Parties	Implementation Measure	Implementation Milestones	Status
<ul style="list-style-type: none"> <li>• LCRA Creekside Conservation Program</li> <li>• Landowners</li> </ul>	<ul style="list-style-type: none"> <li>• Interested landowner contacts local NRCS office</li> <li>• Conservation plan is developed and implemented on participating landowners' property</li> <li>• LCRA, NRCS, and SWCD evaluate the project potential and selects projects for matching funds</li> <li>• Conduct Landowner Field Day if needed</li> </ul>	<ul style="list-style-type: none"> <li>• # of landowners contacting LCRA/NRCS</li> <li>• # of landowner conservation plans developed</li> <li>• # of acres covered by conservation plans</li> <li>• Amount of cost-share spent to implement specific BMPs</li> <li>• # of people participating in Field Day</li> <li>• # of landowners interested in participating in technical and financial assistance programs based on field day</li> </ul>	<ul style="list-style-type: none"> <li>• No landowners in the watershed contacted LCRA to participate in the Creekside Conservation Program.</li> <li>• Funding for the LCRA Creekside Conservation Program was suspended during this year.</li> <li>• Funding then became available; the next report period will show milestone implementation.</li> </ul>
<p>USFWS–Partners for Fish and Wildlife</p>	<p>USFWS-Partners for Fish and Wildlife</p>	<ul style="list-style-type: none"> <li>• Interested landowner contacts local USFWS office</li> <li>• USFWS evaluates the project potential and selects projects for matching funds and develops conservation plan</li> </ul>	<ul style="list-style-type: none"> <li>• No landowners in the watershed contacted USFWS for conservation planning assistance.</li> </ul>
<ul style="list-style-type: none"> <li>• TSSWCB</li> <li>• SWCD</li> <li>• NRCS</li> <li>• Landowners</li> </ul>	<ul style="list-style-type: none"> <li>• Interested landowner contacts local SWCD office.</li> <li>• WQMP is developed and implemented on participating landowners' property.</li> <li>• SWCD, TSSWCB, and NRCS evaluate the specific BMPs to be implemented and recommends to landowners. appropriate state or federal cost-share assistance programs.</li> <li>• Conduct status reviews to ensure landowners implement BMPs as specified and agreed to in the WQMP implementation schedule.</li> </ul>	<ul style="list-style-type: none"> <li>• # of landowners contacting SWCD</li> <li>• # of WQMPs developed and certified</li> <li>• Amount of cost-share spent to implement specific BMPs</li> <li>• Status reviews conducted and follow-up assistance needs documented</li> </ul>	<ul style="list-style-type: none"> <li>• No landowners in the watershed contacted TSSWCB for technical assistance to develop WQMPs.</li> <li>• No financial incentives were paid to landowners.</li> <li>• NRCS worked with one landowner in the watershed to construct 1,226 feet of cross-fencing to support grazing management. Through EQIP, NRCS paid \$2,232 in federal financial incentives to the landowner.</li> </ul>
<p>TPWD</p>	<ul style="list-style-type: none"> <li>• Interested landowner contacts local TPWD district biologist office.</li> <li>• Biologist schedules a site visit to assess habitat potential and offer guidance to improve habitat for the species of interest.</li> </ul>	<ul style="list-style-type: none"> <li>• # of landowners contacting TPWD</li> <li>• # of site visits conducted</li> </ul>	<ul style="list-style-type: none"> <li>• Staff position was lost due to layoffs. No site visits made.</li> </ul>
<ul style="list-style-type: none"> <li>• TWS Feral Hog Abatement Program</li> <li>• Landowners</li> </ul>	<ul style="list-style-type: none"> <li>• Landowner contacts TWS</li> <li>• TWS develops plan with landowner</li> <li>• TWS conducts direct feral hog control</li> </ul>	<ul style="list-style-type: none"> <li>• # of landowners contacting TWS</li> <li>• # of plans developed with landowners</li> <li>• # of feral hogs removed from the watershed</li> </ul>	<ul style="list-style-type: none"> <li>• TWS worked on 4,015 acres in the watershed and removed 29 feral hogs from those properties. Funding to continue support for an employee solely dedicated to feral hog abatement was cut in April 2011.</li> </ul>
<p>City of Pflugerville</p>	<ul style="list-style-type: none"> <li>• Increase street sweeping as funding becomes available.</li> <li>• Acquire land in riparian zone as funding allows.</li> </ul>	<ul style="list-style-type: none"> <li>• Additional street sweeping near creeks and riparian zones within the City of Pflugerville</li> <li>• Acres acquired and funding available for land acquisition</li> </ul>	<ul style="list-style-type: none"> <li>• Street sweeping being evaluated under annual budget process.</li> <li>• The City has parkland dedication requirements for residential development. The City has not identified any property for acquisition.</li> </ul>

Responsible Parties	Implementation Measure	Implementation Milestones	Status
Texas AgriLife Extension Service	<ul style="list-style-type: none"> <li>Distribute feral hog management publications</li> <li>Promote availability and utility of online reporting tool</li> </ul>	<ul style="list-style-type: none"> <li># of publications distributed or # of landowners receiving publications</li> <li># of unique website hits and # of feral hog reports from Gilleland Creek</li> </ul>	<ul style="list-style-type: none"> <li>On October 27, 2011, AgriLife Extension hosted a “Crops and Livestock Clinic” in Taylor; 161 people attended.</li> <li>On January 25, 2012, AgriLife Extension hosted the “Professional Grounds Conference” in Belton.</li> <li>AgriLife Extension continued development of resource manuals for the Lone Star Healthy Streams Program. Resource manuals are being developed to provide education to landowners about proper grazing management and riparian area protection (cattle and horses) and about feral hog management.</li> <li>AgriLife Extension continued to develop targeted resource materials about feral hog management. More than a dozen information sheets have been developed on a variety of topics including trapping techniques, impacts to water quality and native plant and animal species, and laws and regulations. All materials are available online. Additionally, the public and landowners can <a href="#">file online reports on observed feral hog damage or feral hog control methods</a> utilized on their property.</li> </ul>

**Management Measure 3: Retrofit Stormwater Detention Basins**

Responsible Parties	Implementation Measure	Implementation Milestones	Status
CRWR	<ul style="list-style-type: none"> <li>Apply for funding.</li> </ul>	<ul style="list-style-type: none"> <li>Successful funding of the grant project</li> </ul>	<ul style="list-style-type: none"> <li>Project was funded</li> </ul>
CRWR	<ul style="list-style-type: none"> <li>Secure two detention facilities and appropriate permits.</li> </ul>	<ul style="list-style-type: none"> <li>Permits received</li> </ul>	<ul style="list-style-type: none"> <li>Verbal permission granted</li> </ul>
City of Pflugerville	<ul style="list-style-type: none"> <li>Detention ponds cleaned and prepared for project.</li> </ul>	<ul style="list-style-type: none"> <li>Matching funds value of pond clean-out</li> </ul>	<ul style="list-style-type: none"> <li>Cleaning in progress</li> </ul>
CRWR	<ul style="list-style-type: none"> <li>Design, retrofit, and convert structures from detention facilities to water-quality facilities.</li> </ul>	<ul style="list-style-type: none"> <li>Two flood control basins are successfully retrofitted with automated controls</li> </ul>	<ul style="list-style-type: none"> <li>Waiting to determine if the basins are successfully restored to proper functioning prior to committing money for the design.</li> </ul>

**Management Measure 4: Public Awareness Campaign Targeted to Unregulated Sources, Especially Pet Waste**

Responsible Parties	Implementation Measure	Implementation Milestones	Status
LCRA CRWN	<ul style="list-style-type: none"> <li>Volunteer monitoring</li> </ul>	<ul style="list-style-type: none"> <li># of bacteria results collected</li> <li>Value of volunteer time</li> </ul>	<ul style="list-style-type: none"> <li>220 sampling events</li> <li>Approximate value \$4,620</li> </ul>
<ul style="list-style-type: none"> <li>LCRA</li> <li>COA</li> <li>City of Pflugerville</li> <li>City of Round Rock</li> <li>Travis County</li> </ul>	<ul style="list-style-type: none"> <li>Seek additional funding.</li> <li>Survey park users pet waste habits.</li> <li>Review survey results and construct strategy.</li> </ul>	<ul style="list-style-type: none"> <li>Proposals for funding drafted</li> <li>Results of park user survey</li> <li>Pet waste campaign strategy drafted</li> </ul>	<ul style="list-style-type: none"> <li>City of Round Rock survey: 53% of respondents reported that they regularly pick up pet waste and dispose of properly. Another survey scheduled for May 2012.</li> </ul>
<ul style="list-style-type: none"> <li>City of Pflugerville</li> <li>Travis County</li> </ul>	<ul style="list-style-type: none"> <li>Install additional mutt mitt and waste containers.</li> <li>Install waste receptacles and signage at pilot parks.</li> </ul>	<ul style="list-style-type: none"> <li># of mutt mitt, waste receptacles and signs installed</li> <li>Matching funds provided by partners</li> </ul>	<ul style="list-style-type: none"> <li>City of Pflugerville: 18 stations in watershed</li> <li>Travis County: funded and installed 2 new stations</li> </ul>

**Management Measure 5: Develop and Adopt Ordinances**

Responsible Parties	Implementation Measure	Implementation Milestones	Current Status
<ul style="list-style-type: none"> <li>COA</li> <li>City of Round Rock</li> <li>City of Pflugerville</li> <li>Travis County</li> </ul>	<ul style="list-style-type: none"> <li>Explore feasibility of a water quality ordinance.</li> <li>Begin process to develop and adopt ordinance.</li> </ul>	<ul style="list-style-type: none"> <li>Establishment of stakeholder workgroup through each jurisdiction to obtain input from affected individuals</li> </ul>	<ul style="list-style-type: none"> <li>City of Pflugerville: City staff is working with Travis County regarding memorandum of understanding for the implementation of various water quality measures in the ETJ.</li> <li>City of Austin: Watershed Protection Ordinance initiative in progress.</li> <li>Travis County: Developing a water-quality protection rule in Chapter 82 with applicability in the unincorporated areas of the county. The draft rule would extend riparian-zone protection upstream to headwater areas, prohibiting development activities within 100 feet of a waterway in areas with 64 acres catchment. Chapter 82 process is nearing completion. The public hearing on the proposed rule was February 7, 2012. Adoption is expected by June 2012.</li> <li>The Travis County rule would apply to all development projects, except for a subdivision proposal within the COA's ETJ. COA and Travis County have a single office of review for subdivision proposals and a joint code under Title 30. COA began a stakeholder involvement process in August 2011, in which the County is a participant. Stakeholders have had favorable comments on requiring the same proposed setback of 100 feet with a 64 acre catchment. After COA adopts their ordinance, Travis County will follow and the rule would then be in effect for all development activities. Adoption of Title 30 revisions by both city and county governments is expected to be completed in Year 2 of the plan implementation.</li> </ul>

**Management Measure 6: Annual Visual Inspection of Wastewater Collection Systems**

Responsible Parties	Implementation Measure	Implementation Milestones	Status
<ul style="list-style-type: none"> <li>• COA</li> <li>• City of Pflugerville</li> <li>• Dessau Fountain Estates</li> <li>• Windermere Utilities</li> </ul>	<ul style="list-style-type: none"> <li>• Identify wastewater collection systems components within 100 feet of Gilleland Creek and tributaries</li> </ul>	<ul style="list-style-type: none"> <li>• # of GPS coordinates collected on collection systems within 100 feet of Gilleland Creek and tributaries</li> </ul>	<ul style="list-style-type: none"> <li>• Completed</li> </ul>
<ul style="list-style-type: none"> <li>• COA</li> <li>• City of Pflugerville</li> <li>• Dessau Fountain Estates</li> <li>• Windermere Utilities</li> </ul>	<ul style="list-style-type: none"> <li>• WWTF operators will inspect the collection systems within 100 feet of the creek and tributaries, complete inspection report form, and repair systems where failures identified.</li> </ul>	<ul style="list-style-type: none"> <li>• # collection systems miles inspected</li> <li>• # of failures identified and repaired</li> <li>• Loading reductions based on repairs</li> <li>• Reports submitted to TCEQ TMDL staff</li> </ul>	<ul style="list-style-type: none"> <li>• 8+ miles inspected</li> <li>• 0 failures identified</li> <li>• No repairs needed</li> </ul>
<p>Interested WWTFs—possibly to include COA, City of Pflugerville, Dessau Fountain Estates, Windermere Utilities</p>	<ul style="list-style-type: none"> <li>• Collection systems join TCEQ’s SSO Initiative</li> </ul>	<ul style="list-style-type: none"> <li>• # of WWTF entering into agreements with TCEQ through the SSO Initiative</li> <li>• decrease in the number of SSOs</li> </ul>	<ul style="list-style-type: none"> <li>• 0</li> <li>• 0</li> </ul>

**Control Action 1: Monitor and Report E. coli Concentrations in Effluent from WWTFs**

Responsible Parties	Implementation Measure	Implementation Milestones	Status
<ul style="list-style-type: none"> <li>• COA</li> <li>• City of Pflugerville</li> <li>• Windermere Utilities</li> <li>• TCEQ</li> </ul>	<ul style="list-style-type: none"> <li>• WWTFs to monitor effluent <i>E.coli</i> concentrations as required by their discharge permits and report monitoring results in DMRs to TCEQ</li> </ul>	<ul style="list-style-type: none"> <li>• # of WWTF <i>E.coli</i> monitoring within permit limits</li> <li>• # of monthly DMRs submitted to TCEQ</li> <li>• # operational changes made based on values that exceed monitoring limit</li> <li>• Load values reduced based on operational changes</li> </ul>	<ul style="list-style-type: none"> <li>• Each organization conducted required monitoring, whether daily or weekly.</li> <li>• Each organization submitted 12 reports.</li> <li>• Three operational changes made, including staff reminders.</li> </ul>