

Neches River Tidal and Hillebrandt Bayou TMDL Public Meeting

TMDL Implementation in Texas

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August 22, 2019



Implementation Plan



Approved December 11, 2013

Implementation Plan for Seventeen Total Maximum Daily Loads for Bacteria in the Greater Trinity River Region

Upper Trinity River

Segment 0805

Assessment Units 0805_03 and 0805_04

Cottonwood Branch and Grapevine Creek

Segments 0822A and 0822B

Assessment Units 0822A_02 and 0822B_01

Lower West Fork Trinity River

Segments 0841, 0841B, 0841C, 0841E, 0841G, 0841H,
0841J, 0841L, 0841M, 0841R, 0841T, and 0841U

Assessment Units 0841_01, 0841_02, 0841B_01, 0841C_01,
0841E_01, 0841G_01, 0841H_01, 0841J_01, 0841L_01,
0841M_01, 0841R_01, 0841T_01, and 0841U_01

Prepared by the:

Environment and Development Department

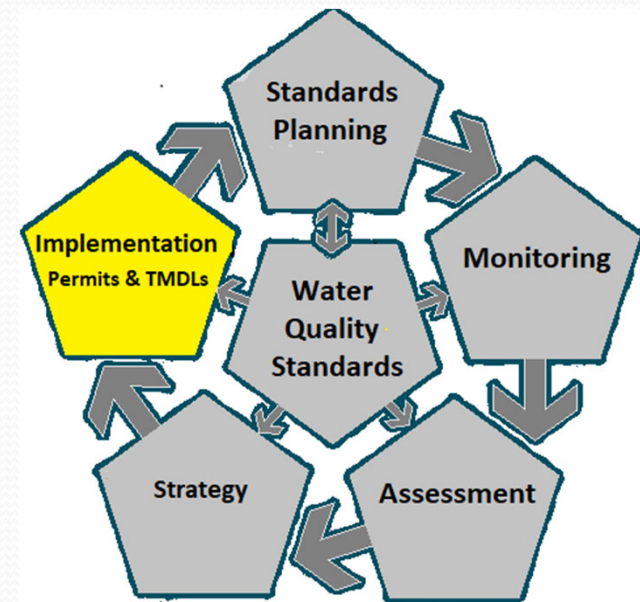
North Central Texas Council of Governments

Decisions Made by Local Stakeholders



I-Plan

- Developed by YOU, the stakeholders
- Outlines a solution
 - What we found out from the TMDL
 - What we can do about it





I-Plan Document

- A detailed description of the regulatory and voluntary measures necessary to achieve the pollutant reductions identified in a TMDL
- Includes a plan for sustaining implementation over time
- Approved by the TCEQ

Public Participation

- Collaborative, involving a wide variety of stakeholders
 - Citizens and interest groups
 - Regulated organizations
 - Local, state, and federal agencies
 - Interest groups
- Participate in development



Overview of the Implementation Strategies



1. **Wastewater** – Wastewater management encompasses a broad range of efforts that promote effective and responsible water use, treatment, and disposal while encouraging the protection and restoration of the TMDL watersheds.



2. **Stormwater** – Stormwater run-off is a major cause of water pollution in the urban watersheds of the TMDL area. Stormwater travels through the storm sewer system into lakes and streams, often carrying trash, pollutants, and notably, bacteria from the urban landscape into urban streams, impacting health and habitat.



3. **Planning and Development** – Concerns about population growth and stormwater run-off from developing areas affecting stormwater quality are addressed with the implementation of strategies aimed to reduce the impact of construction and stormwater run-off on bacteria loading in local waterways.



4. **Pets, Livestock and Wildlife** – While it is difficult to estimate the population levels of pets, livestock, wildlife, and unmanaged feral animals in the TMDL area, the impact as a potential contributor to bacteria loading in local waterways cannot be ignored and should be incorporated into watershed management efforts.



5. **Onsite Sewage Facilities** – Enforcement regarding onsite sewage facilities (OSSFs) vary throughout the TMDL area. Even with enforcement action, owners of failing OSSFs systems may not have the resources to repair or replace ineffective systems.



6. **Monitoring Coordination** – The TMDL Coordination Committee encourages use of all feasible monitoring programs and the collective analysis of the respective data to help determine the efficacy of the implementation strategies within the I-Plan.



7. **Education and Outreach** – Providing education and outreach resources to specific audiences and stakeholders in the TMDL area will support the implementation and longevity of the strategies outlined in the I-Plan.

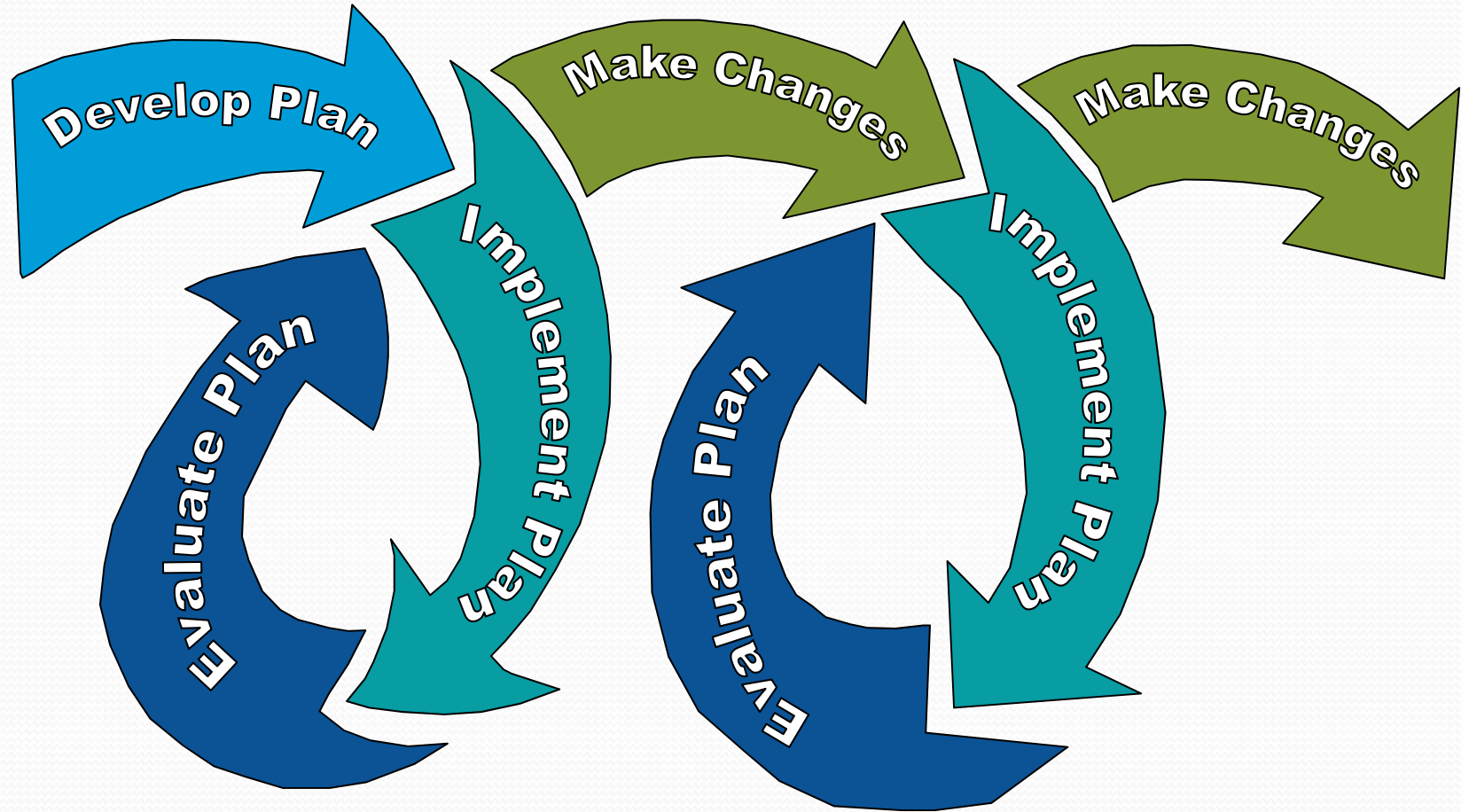


8. **Best Management Practices Library** – Structural, procedural, and education best management practices (BMPs) are crucial to the success of the I-Plan, offering stakeholders the opportunity to maximize limited funds, minimize implementation of ineffective projects, and take advantage of the depth of regional knowledge and experience.



9. **Implementation Strategy Evaluation** – Given the broad scope of the I-Plan and the difficulties in attributing numeric values to various bacteria sources, regular review of the implementation strategies is necessary for ongoing, successful results.

I-Plans are Adaptive





What's Next?

- Technical work on the TMDL allocations will continue into 2020
- TMDL Steering Committee/Coordination Committee will be convened to develop the I-Plan(s)
 - I-Plan facilitation will be provided to assist stakeholders



Questions?

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TMDL Websites

<https://www.tceq.texas.gov/waterquality/tmdl/nav/118-hillebrandtbayou-bacteria>

<https://www.tceq.texas.gov/waterquality/tmdl/nav/118-nechestidal-bacteria>