

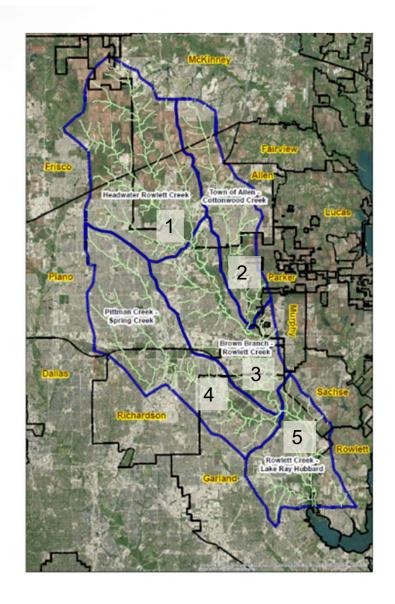


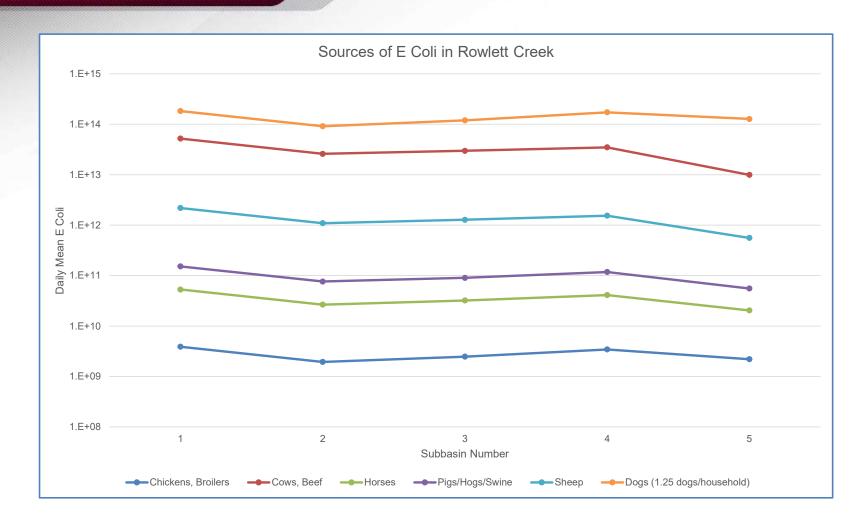
Agenda

- 1:00 Welcome/Introductions
- 1:10 Rowlett Creek Characterization project update
- 2:40 Discussion & Next Steps
- 3:00 Adjourn



Project Map







Project Summary

- Rowlett Creek was placed on the Texas 303(d) list in 2014 for bacteria and is also listed as having a concern for nitrate.
- The water quality problems to be addressed are the bacteria impairment and concern for nitrate, as well as any other parameters stakeholders select.
- This project is part of the TCEQ's 303d Visioning Project in the Upper Trinity River Basin.
- The Rowlett Creek Watershed Protection Plan (WPP) project intends to build on the water quality sampling and modeling in the Phase I watershed characterization project. Texas A&M AgriLife, in collaboration with the project partners, will develop a full nine key element WPP that is stakeholder driven and will provide best management practices recommendations based on modeling results to the stakeholder group.
- The results from the watershed characterization phase including the stakeholder coordination efforts will be used to develop load duration curves for *E. coli*, nitrate, ammonia, total nitrogen, total phosphorus, total suspended solids, and other water quality parameters deemed important by the stakeholder group.
- Stakeholder involvement in Phase II will build upon the stakeholders meeting held in Phase I of the project with the help of the City of Plano and the North Texas Municipal Water District. Stakeholders meetings held in this project (Phase II) will focus on the necessary steps to develop an appropriate set of recommendations to include in the WPP to meet water quality targets set in Phase I.



Task 1- Project Administration

• Effectively administer, coordinate, and monitor all work performed under this project including technical and financial supervision and preparation of status reports.





Task 2- Quality Assurance

• Refine, document, and implement data quality objectives (DQOs) and quality assurance/quality control (QA/QC) activities that ensure data of known and acceptable quality are generated by this project.





Task 3- Modeling and Data Analysis

- Analyze flow, E. coli, and nutrient data using load duration curves (LDCs) and continue modeling
 activities that assist in further quantifying load reduction targets and developing best management
 practices (BMPs) to achieve those targets.
- AgriLife Dallas will, with the assistance of the stakeholder group, develop a hydrologic model for the Rowlett Creek Watershed.
- The model will identify areas of contribution and quantify loadings of water quality parameters of importance to the stakeholder group that have been defined in the QAPP.
- This information will be used to quantify load reduction targets and appropriate BMPs.



Task 4- Watershed Stakeholder Coordination

- Coordinate and facilitate public involvement in a local watershed stakeholder group that will provide local input into the decision-making process for the development of the Rowlett Creek WPP.
- Key watershed stakeholders will be engaged to support the development of the WPP by providing input on watershed characterizations, reviewing project outputs, and approving the plan of action to address water quality impairments.





Task 5- Watershed Protection plan (WPP) Development

- AgriLife Dallas, in collaboration with project partners, will develop a WPP for the Rowlett Creek
 watershed that is consistent with and satisfies the nine-key elements fundamental to watershed-based
 plans as described in the EPA's 2014 Nonpoint Source Program and Grants Guidelines for State and
 Territories.
- The WPP must address all parameters of impairment and concern as listed in the 2020 Texas
 Integrated Report of Surface Water Quality.



Task 6- Final Report

 Produce a Final Report that summarizes all completed activities completed and the amount of funds spent on the project.



9 Key Element Watershed-based Plan

- 1. Identify and quantify existing pollutant loadings that need to be controlled;
- 2. Determine pollutant load reductions needed to meet water quality standards;
- 3. Identify management practices to achieve water quality standards;
- 4. Estimate technical and financial assistance needed to implement plan;
- 5. Describe information and education component needed to implement plan;
- 6. Develop an implementation schedule;
- 7. Describe interim measurable milestones for management measure implementation;
- 8. Describe water quality evaluation criteria; and,
- 9. Describe monitoring program to assess water quality conditions.



Upcoming Tasks



Questions, Discussion







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