

July 2023

Larimer County Water Master Plan Project – High Level Summary Scope of Work

Purpose: The Water Master Plan will provide Larimer County with a detailed roadmap for implementing actions related to topics such as **watershed protection, environmental and recreation flows, wildfire impacts, floodplain mapping and regulations, stormwater management, flood warning systems, water quality inspections, and emergency management**, focusing on areas of high risk. This roadmap will include detailed milestones to ensure the Plan stays on track and to measure progress toward achieving the County’s vision and goals. Short-, mid-, and long-term milestones will be included in the Water Master Plan. Some work on infrastructure, but less than anticipated in Phase 1.

Supporting Departments: Community Development, Engineering, Emergency Operations Center, Department of Natural Resources (also coordinating with IT, Sheriff)

Firms: SWCA and AE2S – Capabilities to address environmental services -- cultural, natural, and water resources management, wildfire planning, regulatory compliance, climate change. Water challenges – water, wastewater, and water resources. Future water demands and use of available water rights.

Consultant Team Members: Erica Gaddis, Mary Huisenga, Chloe Lewis, Sarah Lupis, Amber Lefers, Drew Stock, Mike Eytel, Travis McStraw

Boards and Commissions will be important! Stakeholder group.

Funding: FEMA and Larimer County

Timeline: Start July 2024, Completion by Nov. 2024

8 Tasks

TASK 1. COMMITTEE FORMATION, KICK-OFF MEETINGS, AND PUBLIC ENGAGEMENT PLAN

Committee Formation, Kick-off Meetings, Core Team Survey, Public Engagement Plan, Project Website materials, virtual open house, outreach to tribes, work sessions

TASK 1 - DELIVERABLES

- Core Team Survey and Results Summary
- Public Engagement Plan and Meeting Plan
- Virtual Open House Project Website, Including Survey (by County)
- Public Engagement Summary Report

TASK 2. INVENTORY REVIEW AND GAP ANALYSIS

Data Compilation and Identification of Data gaps, Watershed Data Technical Memorandum

TASK 2 - DELIVERABLES

- Technical Memorandum

TASK 3. REFINED VISIONS AND GOALS

Identifying and mapping out goals that are based on where the County has influence and authority and where they have priority areas and assets.

TASK 3 - DELIVERABLES

- Vision and Goals Workshop
- Finalized set of vision and goals for the Water Master Plan

TASK 4. MAPPING AND ANALYSIS

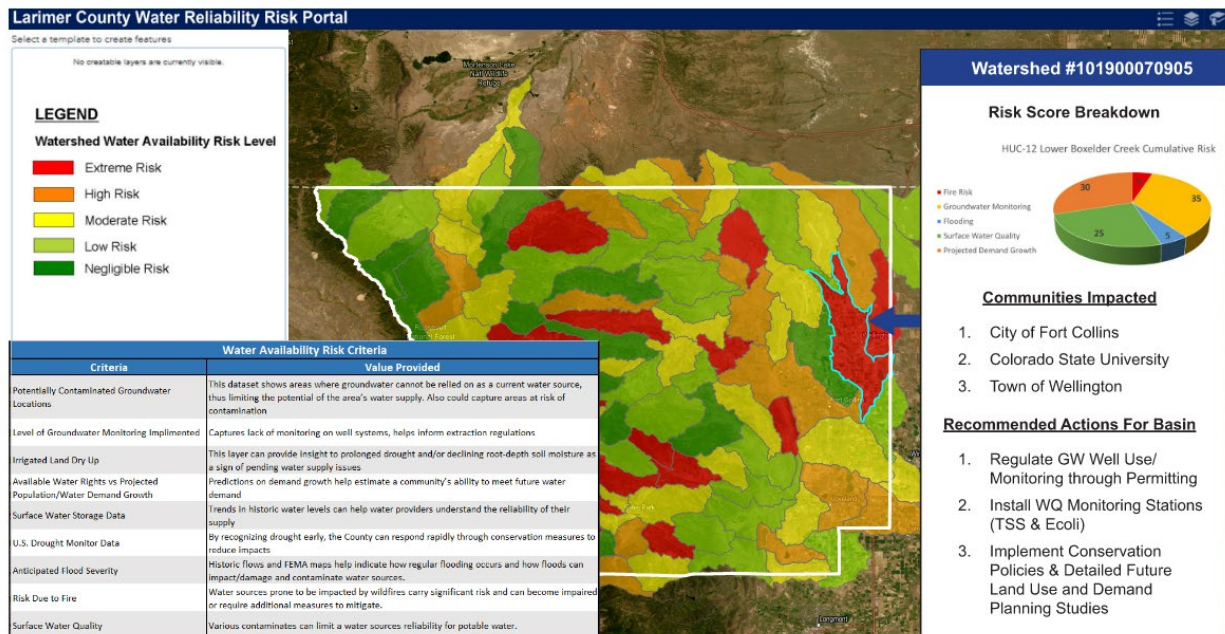
A GIS baseline assessment based on identified priority data to assist with understanding water resources in Larimer County spatially and temporally.

TASK 4 - DELIVERABLES

- Maps/figures and data sets

TASK 5. IDENTIFY ADDITIONAL RISKS AND VULNERABILITIES

A robust map-based risk model based on information gathered during Tasks 1 through 4—with focus on the priority datasets (up to 10 datasets). As identified in Task 4, criteria will be focused on watershed health, water infrastructure, and urban growth/demand. This tool, based on readily available data, will provide information for balanced yet targeted decisions to protect and improve water reliability and quality within Larimer County. Involves collaborating to select key risk criteria from compiled data with potential to impact important water resources. Selected attribute data from spatial datasets (Task 4) is scored based on how each impacts water reliability then aggregated into the state’s HUC-12 watershed layer. All risk scores from various criteria layers summed to calculate a cumulative risk score for each HUC-12 watershed within the County. Indicates communities directly impacted/responsible for mitigating identified risks.



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TASK 5 - DELIVERABLES

- Risk Analysis Meeting
- Risk Model and Accompanying Risks and Vulnerabilities Document and technical memo

TASK 6. IDENTIFY IMPLEMENTATION MEASURES, MITIGATION, AND OTHER STRATEGIES

Finalized recommended strategies to HUC-12 basins identified in the risk model, including potential sources of funding to implement. Presented to the Larimer County Boards and Commissions to get feedback.

TASK 6 - MEETINGS AND DELIVERABLES

- Mitigation and Improvement Strategy Meeting
- Web Map and Individual Cutsheets for the 10 Highest-Ranking Watersheds

TASK 7. COMPILE AND COMPLETE WATER MASTER PLAN FOR ADOPTION

DRAFT PLAN

The Water Master Plan will provide Larimer County with a detailed roadmap for implementing actions related to topics such as **watershed protection, environmental and recreation flows, wildfire impacts, floodplain mapping and regulations, stormwater management, flood warning systems, water quality inspections, and emergency management**, focusing on areas of high risk identified in Tasks 1 through 6. This roadmap will include detailed milestones to ensure the Plan stays on track and to measure progress toward achieving the County's vision and goals. Short-, mid-, and long-term milestones will be included in the Water Master Plan.

TASK 7 - DELIVERABLES

- Annotated Outline
- 2 Drafts of Water Master Plan
- Public Open House
- Final Water Master Plan

TASK 8. UPDATE LAND USE CODE

A technical memo summarizing county codes that may inform potential water conservation codes for Larimer County to consider internally.

TASK 8 - MEETINGS AND DELIVERABLES

- Draft and Final Land Use Code Summary memorandum

