

LARIMER COUNTY | ENGINEERING DEPARTMENT

P.O. Box 1190, Fort Collins, Colorado 80522-1190, 970.498.5700, Larimer.gov

The role of the Advisory Board is to advise the Board of County Commissioners and appropriate departments on environmental and science-related issues that affect Larimer County.

Environmental and Science Advisory Board

MINUTES

Date: July 9th, 2024

Time: 6:00 – 9:00 p.m.

Location: Rm 150 Carter Lake, 200 West Oak St., Fort Collins, Colorado and Virtual by Zoom

Contact: Shelley Bayard de Volo, sbayard@larimer.org or 970.498.5738

MEMBERS		STAFF		GUESTS
Rodger Ames – Chair	X	John Kefalas *	X	
Tasha Carr	X	Shelley Bayard de Volo ¥		
Anna Cloud	X	Heidi Pruess §	X	
Jim Gerek		Danielle Remanis α	X	
Leo Grassens	X	Lesli Ellis £	X	
Matthew Haag	X	Caryn Nezat ‡	X	
Zachary Maffeo	X			
Lark Murphy				
Andrew Newman				
Barry Noon	X			
Nicole Poncelet-Johnson	X			
Natalie Walsh	X			
Chris Wood	X			

X = present; * = Commissioner Liaison; ‡ = Engineering; ¥ = ESAB Liaison; § = Climate and Sustainability Program; α = Community Development Department; £ = Community Infrastructure, Planning and Resources.

Call to Order: 6:00 p.m.

1. **Amendments or additions to the agenda** – Rodger asked Mathew about providing an update tonight on the PVREA. Add discussion about doing a tour at Rawhide Power Plant.





2. **Introduction of members, staff and guests** – Members and guests introduced themselves. The board members welcomed new members Leo Grassens and Zachary Maffeo.
3. **Public Comment** – None
4. **Commissioner's Update** – The commissioner participated in a ribbon cutting ceremony for the Timnath Air Quality Monitoring Station. The Loveland Air Quality Monitoring Station is set to go online in the new few months. Once installed, that will make five stations in Larimer County. There was a worksession update on oil and gas regulations. County attorney's consultant attorney is representing the County in the State's rule making process for geothermal and oil gas development. The commissioner will be attending the ribbon cutting for the Platte River Power Authority's Solar Farm in Severance. The Environmental Stewardship Awards Ceremony is scheduled for July 31st at 1:30 in the Hearing Room.

Discussion Items

- Larimer County Water Master Plan Update – Danielle presented slides that summarized the new information on the development of the water plan since the last update to the ESAB in January. Slides from tonight's presentation will be included with these minutes. There was an extended Q/A and discussion by board members on the potential strategies of the plan that Danielle presented. Board members provided recommendations to Danielle and Lesli.
- Approval ESAB memo on Platte River Power Authority's Integrated Resource Plan – Rodger presented the draft recommendations that the sub-committee prepared. The commissioner considered the draft as needing more refinement. He suggested that the draft be re-formatted to present the key themes, and then specific bullet points under each theme.

The Board agreed to approve the current draft as the concept and then the sub-committee will re-work it and provide it to the Commissioner for the final edits. The Commissioner will present it to the other two commissioners for their consideration. Nicole motioned to approve the drafting of a memo that incorporates the points presented tonight and that ties to the County's other plans (i.e., Climate Smart Future Ready) for consideration by the PRPA Board at their July 25th meeting. Anna seconded. Chris abstained from voting. The motion passed by acclamation.

5. **Approval of Minutes** – Anna motioned to approve the June minutes, and Barry seconded. The June minutes were approved by acclamation.
6. **Updates and Round Table**
 - Tour of Rawhide Power Station – The members discussed doing a tour of the Rawhide Power Station.
 - Issue Index – Rodger noted that the new members should look at the Issue Index in the Google Drive and think about signing up for committees.
7. **Issue Index** – will be updated.
8. **Agenda Topics for Future Meetings** – Matt to do a presentation on the PVREA IRP, Barry can do a presentation on the history of 1041 regulation in Colorado and what he learned from his research on 1041 regulations. The Board will take August off.
9. **Adjourn** – The meeting adjourned at 8:00 PM.



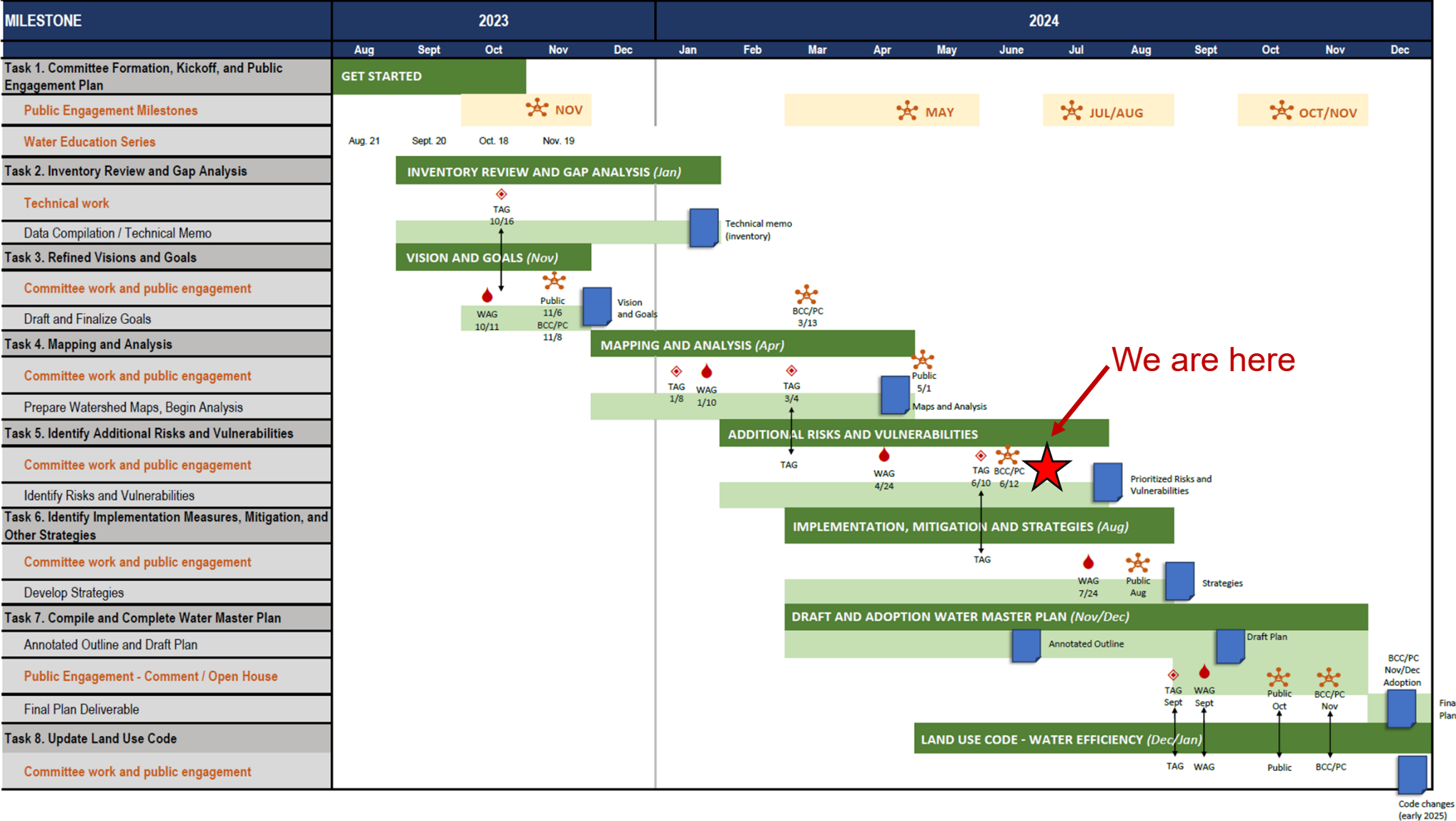
WATER MASTER PLAN

ENVIRONMENTAL AND SCIENCE ADVISORY BOARD

JULY 9, 2024

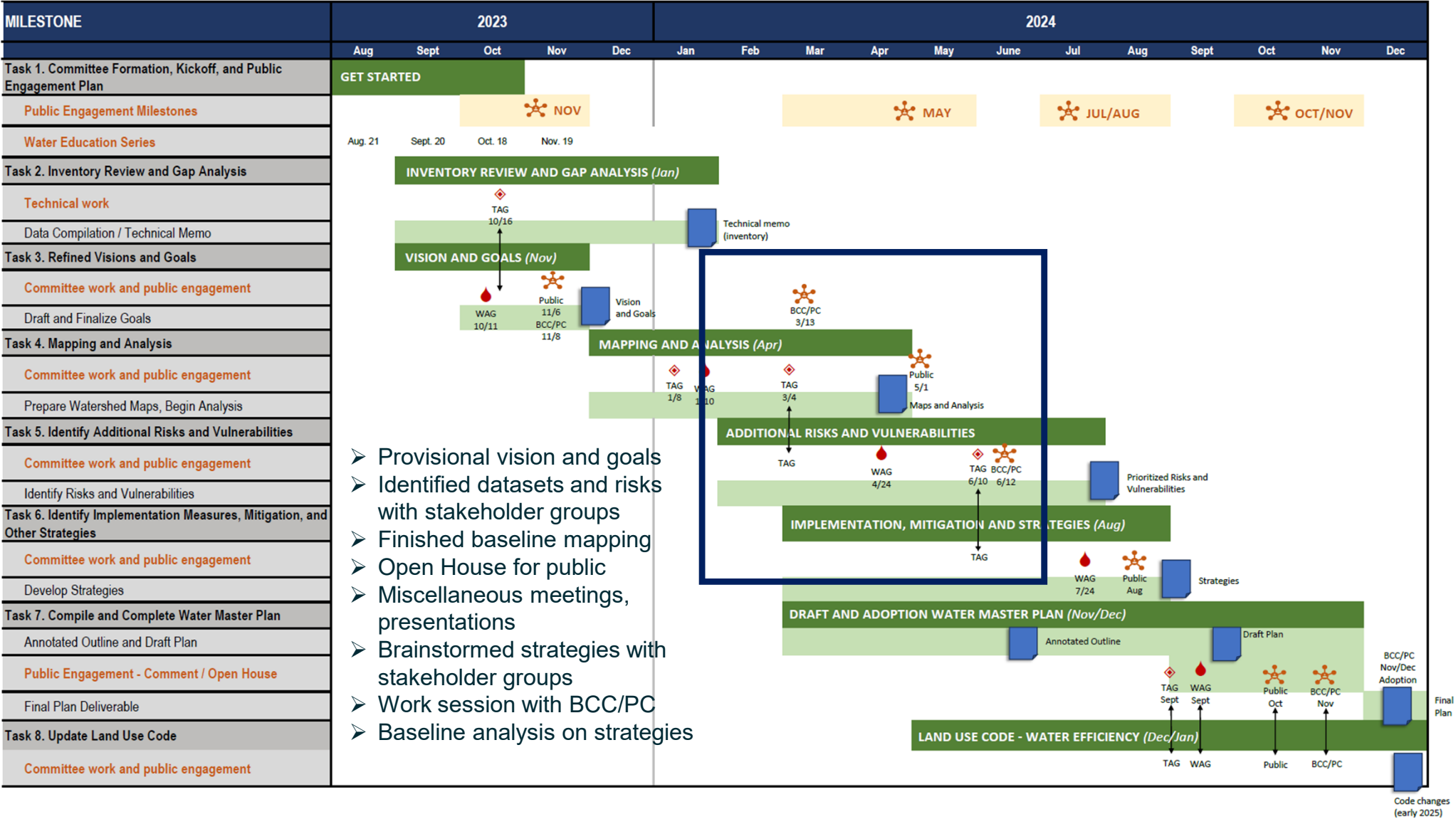


SCHEDULE





SCHEDULE – WORK COMPLETED



OPEN HOUSE & TECHNICAL ADVISORY GROUP

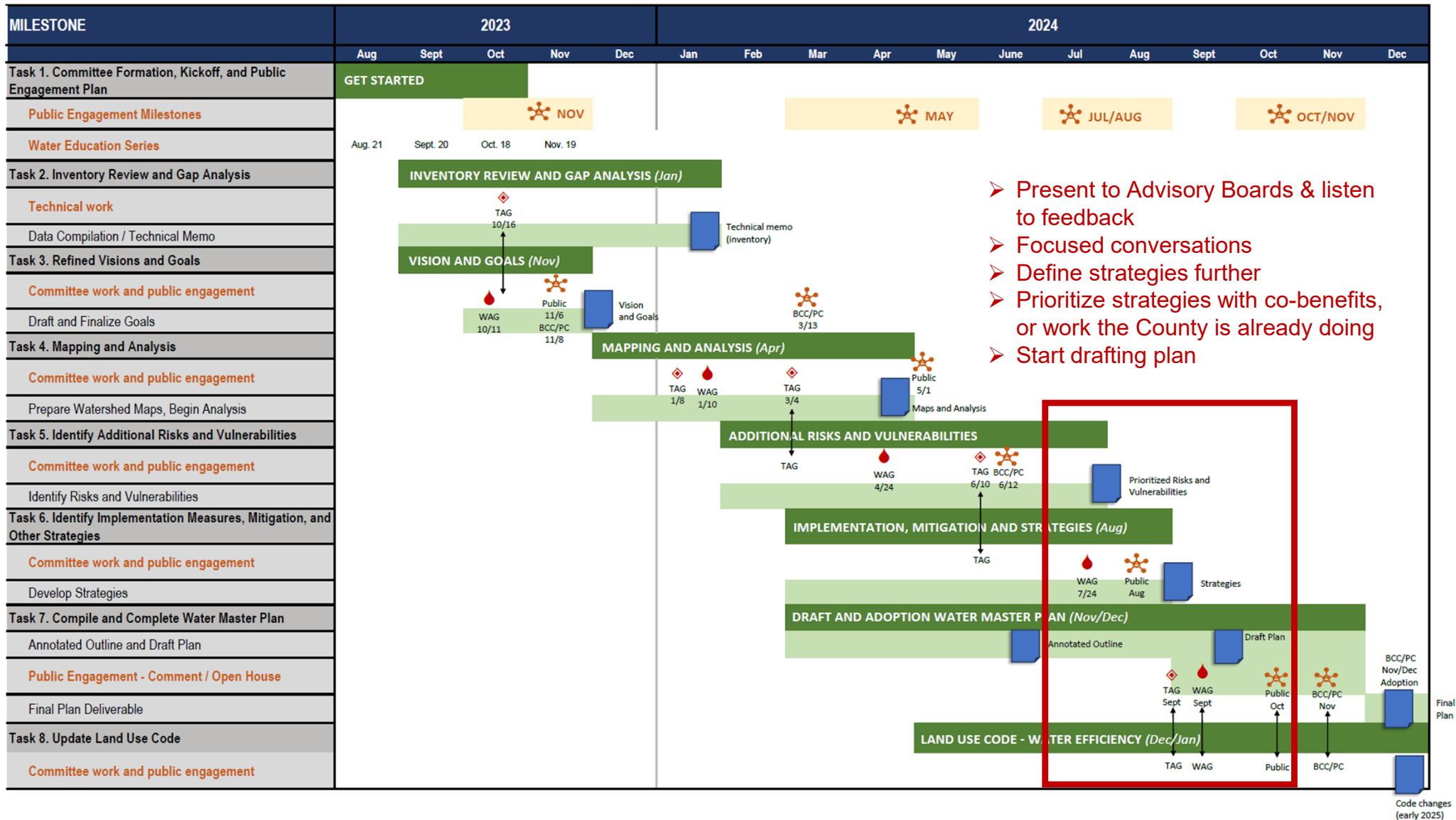


Draft results Open House on May 1st, 2024



Technical Advisory Group Meeting on June 10th, 2024

SCHEDULE – WORK AHEAD OF US



PROVISIONAL VISION AND GOALS

Larimer County, guided by a commitment to stewardship, is dedicated to safeguarding local and regional water systems, aligning future land use with available water resources, and helping to build resilient communities and ecosystems equipped to address future water challenges.



**Minimize the Threat to Watersheds from Hazards
(i.e., floods, severe wildfires)**



Communicate and Collaborate to Support Water Sustainability



Promote Water Literacy in Our Community



Align Land Use Planning with Water Resources

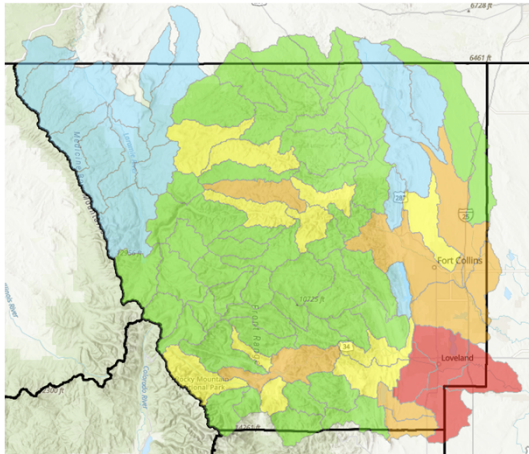


Enhance Water Efficiency and Conservation Measures

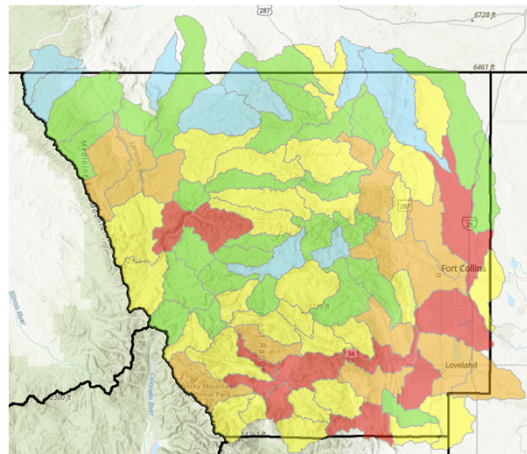
LARIMER COUNTY PRIORITY WATERSHEDS

Priority Watershed Category	Priority Watershed Criteria
(1) Supply and demand planning	Increased demand from population growth
	Uncertain water future as it relates to climate
	Changes in land use
(2) Hazards to watersheds	Wildfires with high burn severity
	Source water quality
	Habitat
(3) Water rights	Water rights impacted by administrative calls on the river
	Colorado-Big Thompson Project (CBT) use
	Urban encroachment on agricultural lands
(4) Infrastructure	Water delivery infrastructure
	Storage
(5) Lack of water conservation policies or measures	Policies or guidelines
	Measures to avoid curtailment
	Cohesive approach; municipalities; HOAs; County
	Water efficiency in agriculture
(6) Lack of water education	Land use policies
	Lack of public awareness
	Lack of understanding by policy/decision makers

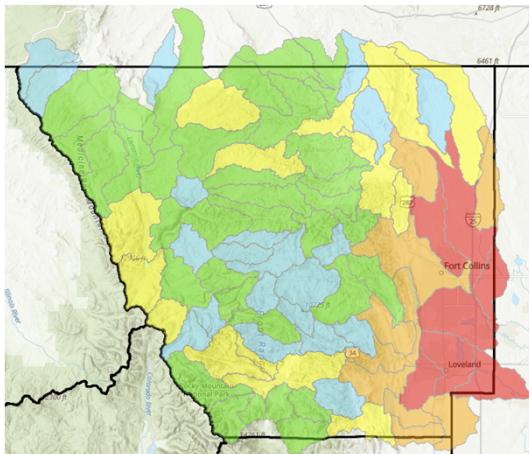
PRIORITY WATERSHED MAPPING RESULTS



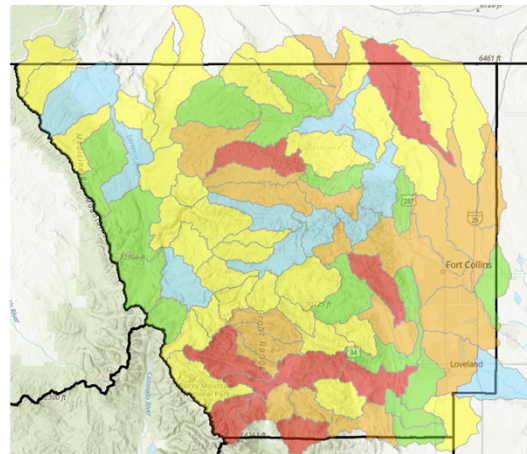
(1) Supply and demand planning



(2) Hazards to watersheds



(3) Water rights



(4) Infrastructure

- Each map represents a different risk category.
- When aggregated, these maps form an overview map, used to inform the Water Master Plan.

Legend



POTENTIAL STRATEGIES

1. Supply and Demand Planning

Enhance coordination between the approval of land use applications and water providers (water adequacy)

Update 2012 Joint Front Range Climate Change Study

Water & Land Use Planning Tool (One Water Solutions Institute)

2. Hazards to Watersheds

Support projects from existing plans (i.e., CPRW, BTWHP)

Emulate the Northern CO Fireshed Collaborative (County as convener for watersheds)

Expansion of existing water quality programs (stormwater, monitoring, etc.)

Partner with state to plug abandoned wells

County to create habitat protection program around waterways

3. Water Rights

Larimer County, with partners, to produce aligned vision for the region, utilize IGA's

Better plan how urbanization occurs. Buffers between communities, especially near agriculture, through programs or codes.

County to support voluntary agricultural districts

POTENTIAL STRATEGIES

4. Infrastructure

County to support evaluation of water infrastructure interconnectedness

Incentive or support projects that address infrastructure upgrades, opportunities to consolidate utilities, or partnerships for capital improvement projects, or that will help disproportionality affected communities

5. Water Conservation

County to update their own codes, (land use and building codes)

Participate in Growing Water Smart program

Support/expand upon water conservation programs

County led initiative to reduce non-functional turf, or provide clearer definitions

6. Water Education

Continue the Water Education Series: "Where does your water come from?"

County website that captures resources

Educate water providers on available climate risk modeling

K-12 education opportunities

Public education around water – expand water literate leaders' program

Continue stakeholder/policy maker meetings and working groups

BRAINSTORMING SESSION

What strategies would you like to see implemented through the Water Master Plan?

Are there any areas/categories you would like to see prioritized?

THANK YOU!

DANIELLE REIMANIS
WATER MASTER PLAN
COORDINATOR
Larimer County

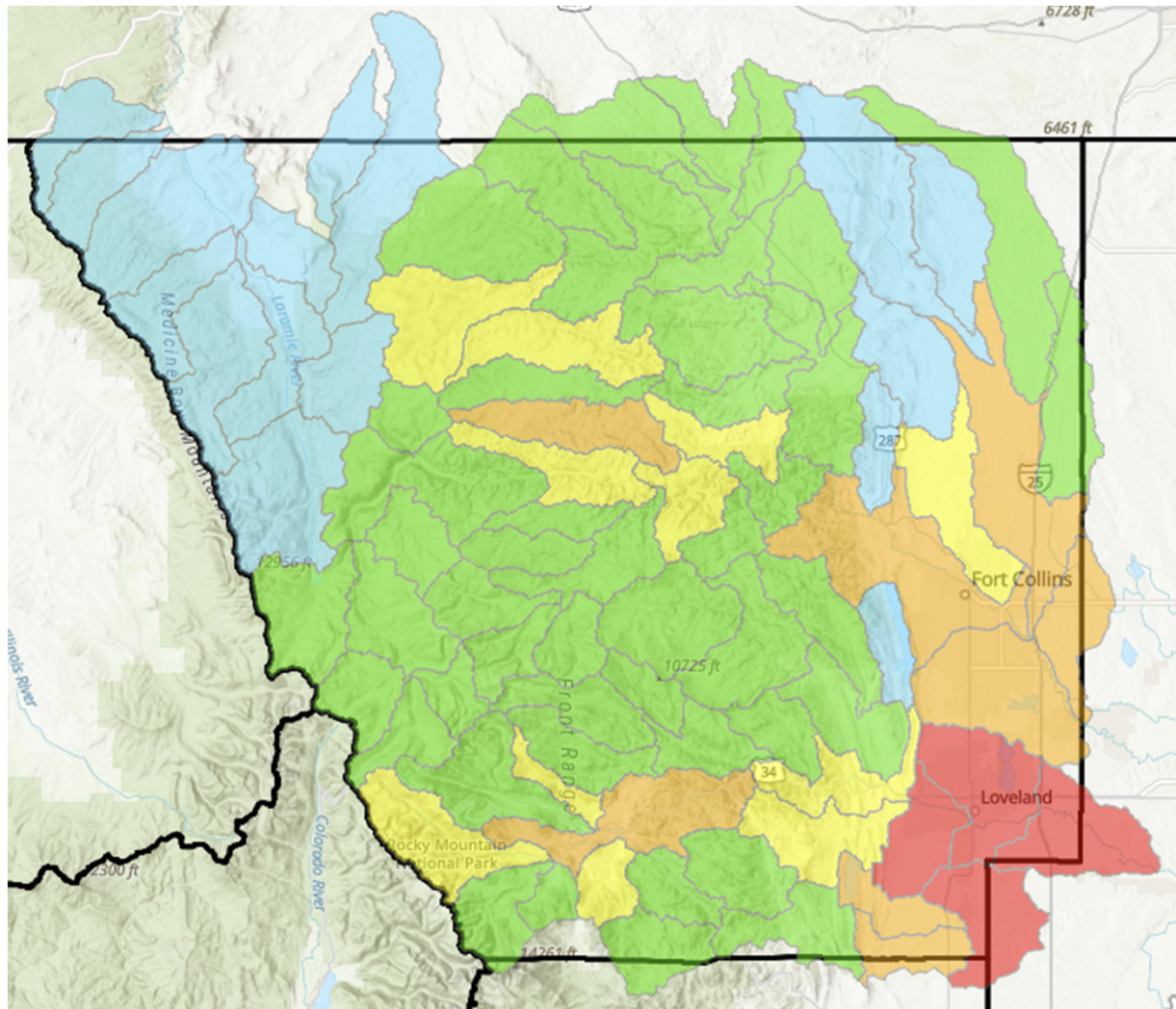
970-498-7710
LCwaterplan@co.larimer.co.us



larimer.gov/planning/water



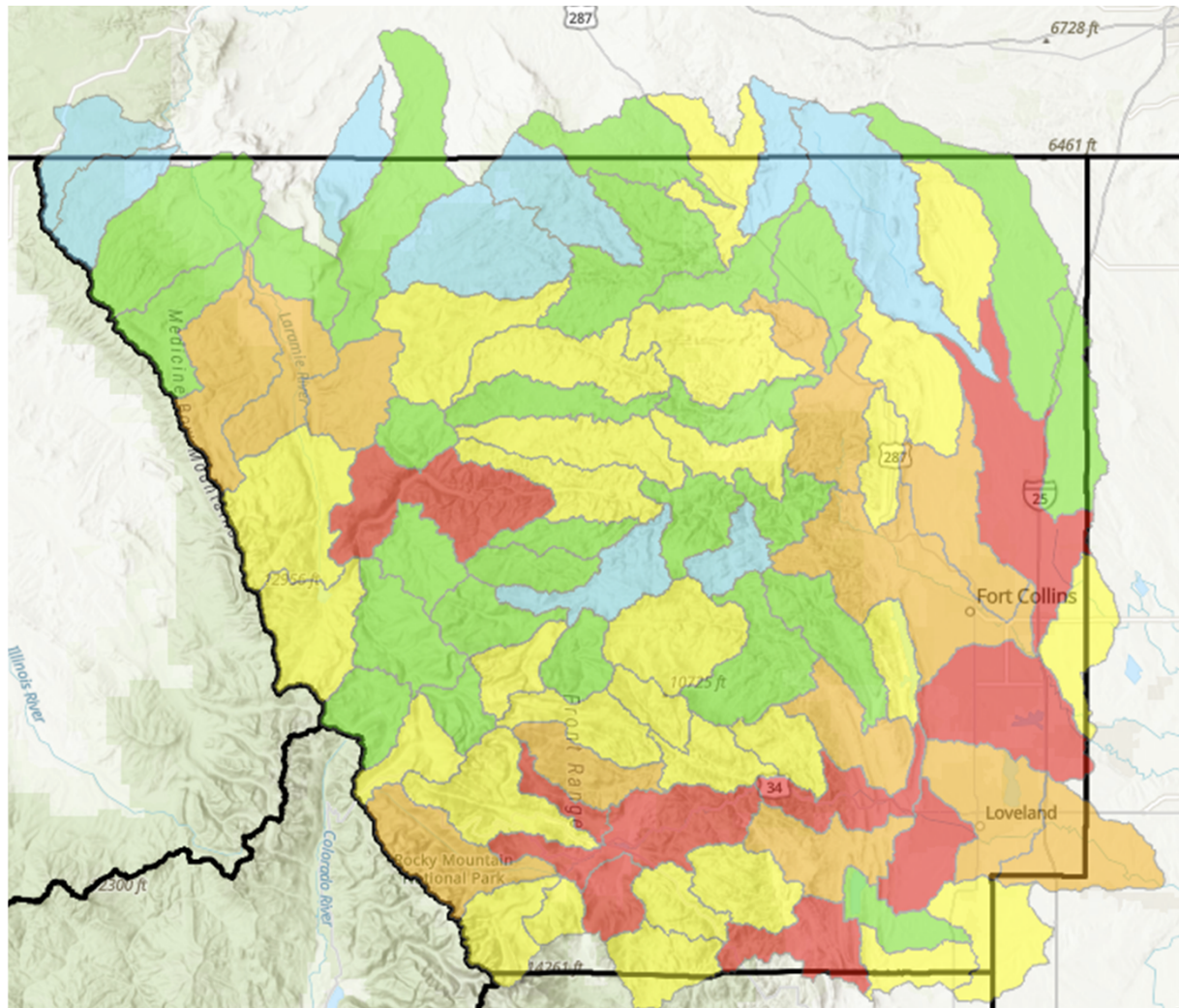
SUPPLY AND DEMAND PLANNING



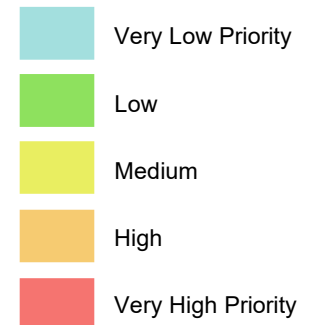
Legend

- Very Low Priority
- Low
- Medium
- High
- Very High Priority

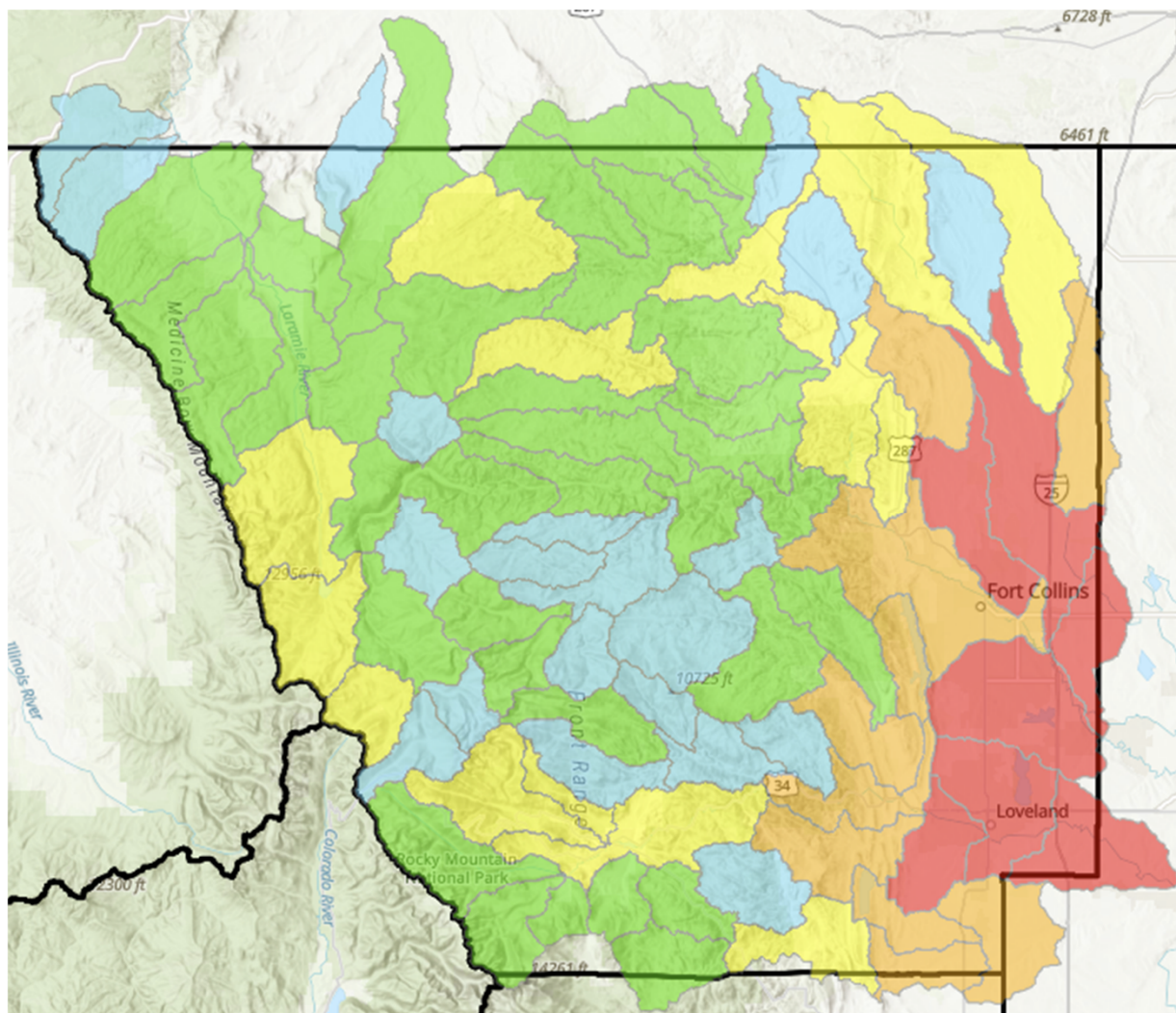
HAZARDS TO WATERSHEDS



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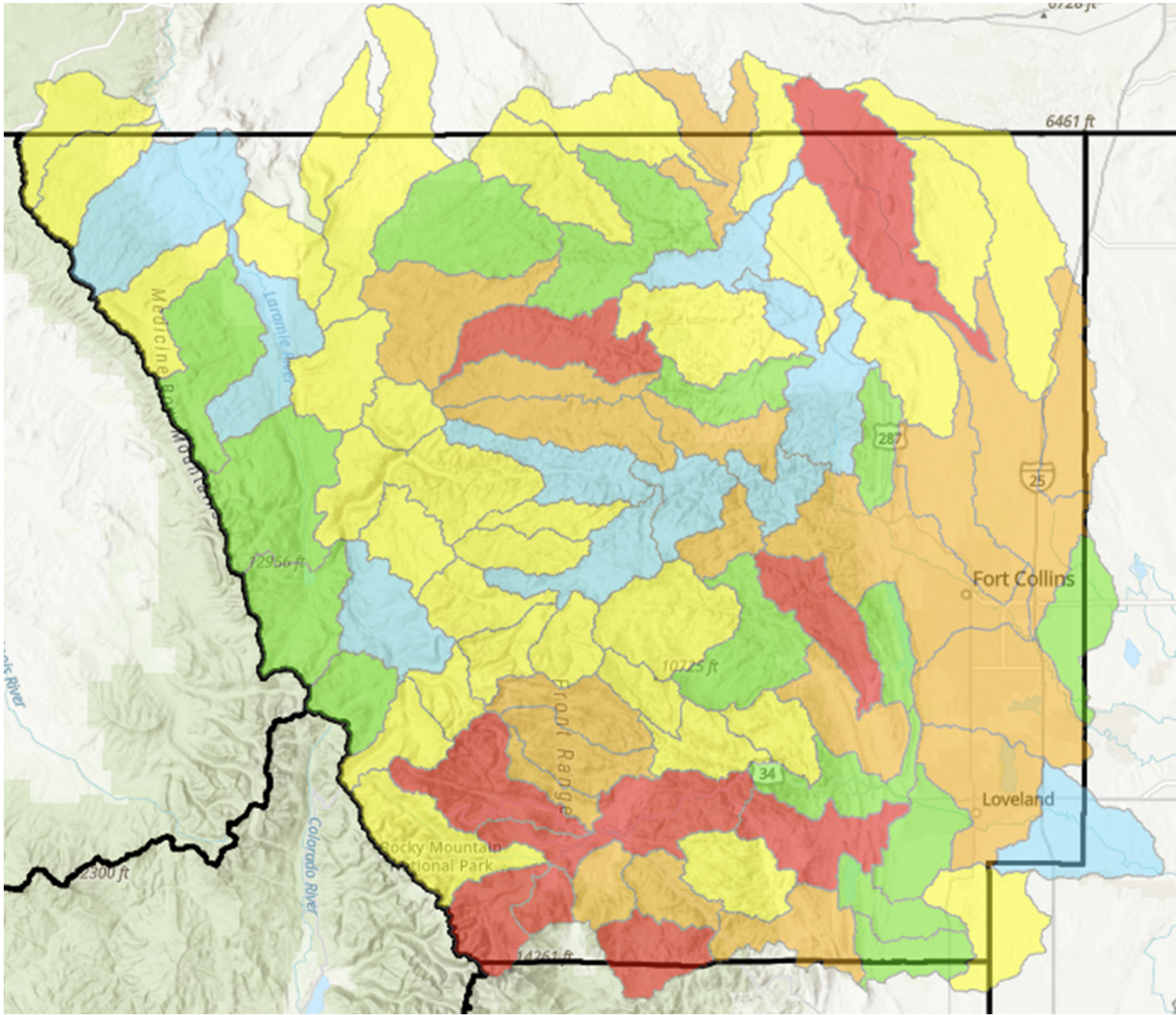
WATER RIGHTS



Legend

- Very Low Priority
- Low
- Medium
- High
- Very High Priority

INFRASTRUCTURE



Legend

- Very Low Priority
- Low
- Medium
- High
- Very High Priority