

# BOUNCE *FORWARD*

*BUILDING THRIVING, HEALTHY, &  
EQUITABLE COMMUNITIES*



**MARCH**  
4 & 5, 12, 19, 25 & 26



# RMLUI 2021

WESTERN PLACES | WESTERN SPACES

**RMLUI**  
ROCKY MOUNTAIN  
LAND USE INSTITUTE

**OTTEN JOHNSON**  
ROBINSON NEFF + RAGONETTI PC

  
**GARY  
COMMUNITY  
INVESTMENTS**  
Working together  
for Colorado's children

**Brownstein Hyatt  
Farber Schreck**

  
DENVER REGIONAL COUNCIL OF GOVERNMENTS

**FGMC**  
FOSTER GRAHAM MILSTEIN & CALISHER LLP  
ATTORNEYS AT LAW

  
**BABBITT CENTER**  
FOR LAND AND WATER POLICY  
*A Center of the Lincoln Institute of Land Policy*

  
**ROOT POLICY**  
RESEARCH

**WM**  
WITHEY MORRIS PLC  
ATTORNEYS AT LAW

**CLARION**

**Hogan  
Lovells**

LAW OFFICES  
**JORDEN BISCHOFF  
& HISER, P.L.C.**

  
**KAPLAN KIRSCH  
ROCKWELL**

  
**McGEADY  
BECHER**  
Special District Law

  
**ChangeLab Solutions**

  
**CCI**  
COLORADO COUNTIES, INC.  
*Educate • Advocate • Empower*

**CML**  
COLORADO MUNICIPAL LEAGUE  
*The Voice of Colorado's Cities and Towns*

**DOWNTOWN  
COLORADO**  
inc.

  
**ULI Colorado**





**RMLUI 2021**  
WESTERN PLACES | WESTERN SPACES



# BABBITT CENTER

## FOR LAND AND WATER POLICY

*A Center of the Lincoln Institute of Land Policy*



# CONNECTING LAND & WATER FOR HEALTHY COMMUNITIES

## Virtual Conference

**JULY 19-21, 2021**

This conference brings together multi-disciplinary stakeholders, types of organizations, and professions to address the design, integration, and implementation of the programs necessary to better connect land and water planning and policy.



AMERICAN  
WATER RESOURCES  
ASSOCIATION

[WWW.AWRA.ORG](http://WWW.AWRA.ORG) | [INFO@AWRA.ORG](mailto:INFO@AWRA.ORG)







# *Water in the West: A Preview of the Colorado Water Plan*

*RMLUI Western Places | Western Spaces Conference 2021*  
*March 12, 2021*  
*9:00-10:30 a.m.*



**COLORADO**  
Department of Local Affairs  
Division of Local Government



**COLORADO**  
Colorado Water  
Conservation Board  
Department of Natural Resources



# *Moderator*



**Christy Wiseman**

Land Use and Water Planner,  
Community Development Office,  
Colorado Department of Local Affairs (DOLA)



# SAVE THE DATE: CONNECTING LAND & WATER FOR HEALTHY COMMUNITIES

Virtual Conference  
JULY 19-21, 2021

This conference brings together multi-disciplinary stakeholders, types of organizations, and professions to address the design, integration, and implementation of the programs necessary to better connect land and water planning and policy.



AMERICAN  
WATER RESOURCES  
ASSOCIATION

[www.AWRA.org](http://www.AWRA.org)

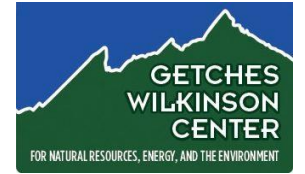


# Land Use and Water Planning Context Timeline





# Colorado Water & Land Use Planning Alliance



WESTMINSTER  
COLORADO



COLORADO  
Department of Public  
Health & Environment



COLORADO  
Department of Agriculture



College of  
Architecture  
and Planning  
UNIVERSITY OF  
COLORADO DENVER



COLORADO  
Department of Local Affairs  
Division of Local Government



COLORADO  
Colorado Water  
Conservation Board  
Department of Natural Resources



COLORADO  
MUNICIPAL  
LEAGUE



# **HB 20-1095**: *Local Governments Water Elements In Master Plans*

- **Does not require** that local governments incorporate a water element into their comprehensive plan.
- States that **if a community chooses to do so**, then the local government must consult with the entities that supply their water "to ensure coordination on water supply and facility planning... identify water supplies and facilities sufficient to meet the needs of the public and private infrastructure reasonably anticipated or identified in the planning process."
- Also states that if a community chooses to include a water element in their comprehensive plan, then the element must include water conservation policies (ideally tied to the Colorado Water Plan).
- **Directs DOLA to provide technical assistance to interested local governments with a dedicated position.**



# *Panelists*



## **1) Kat Weismiller**

Deputy Section Chief,  
Water Supply Planning Section,  
CWCB



## **2) Alex Funk**

Agricultural Water Resources Specialist,  
Interstate, Federal & Water Information Section,  
CWCB



## **3) Chris Sturm**

Watershed Program Director,  
Watershed & Flood Protection Section,  
CWCB



## **4) Kevin Reidy**

Water Conservation Specialist,  
Water Supply Planning Section,  
CWCB

# *Polling Questions*

1. I am a....?
2. The Colorado Water Plan?
3. What are your top water policy priorities?



# *Basin Implementation Plan and Water Plan Update Overview*



**Kat Weismiller**  
Deputy Section Chief,  
Water Supply Planning Section,  
CWCB



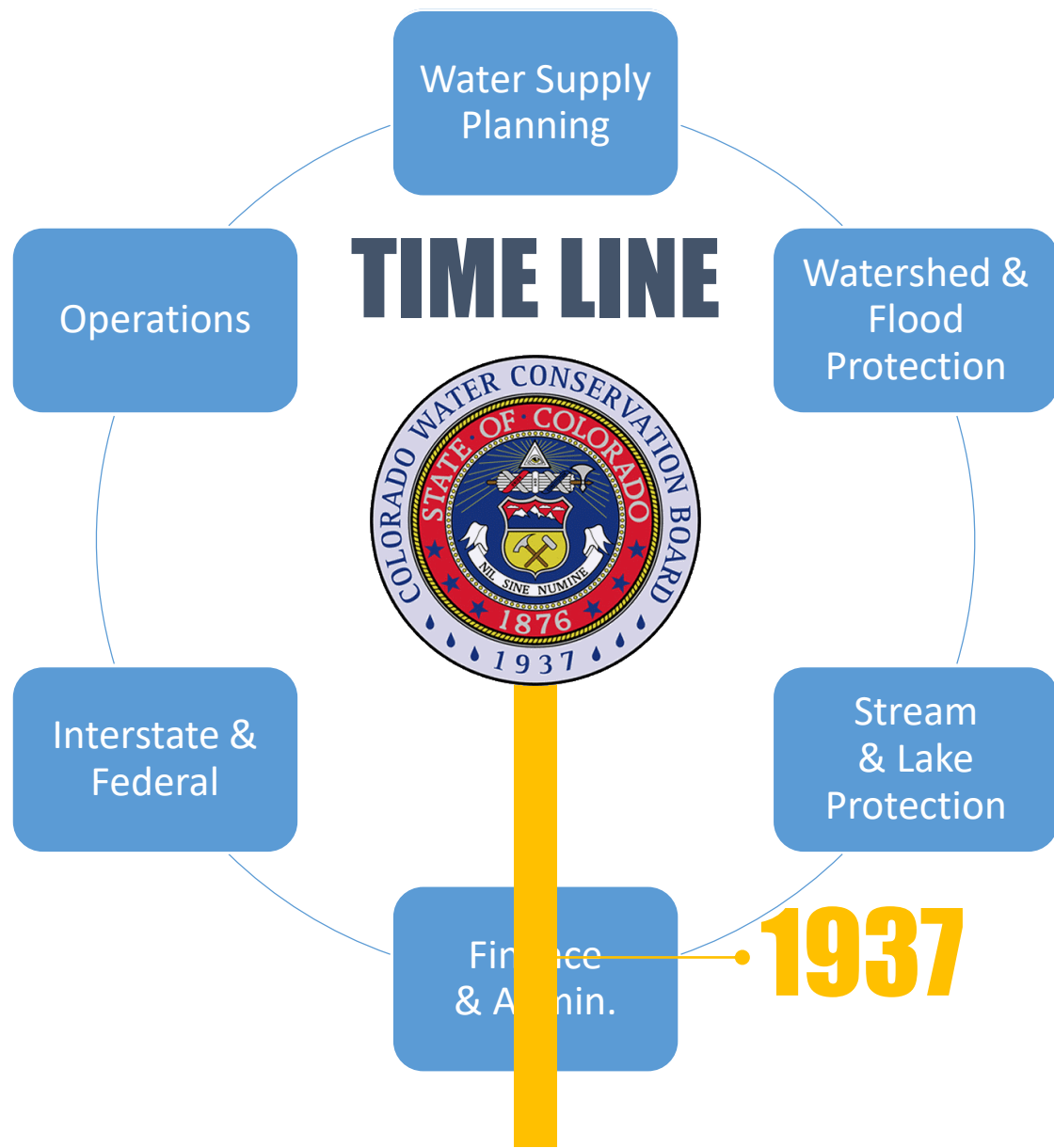
# Basin Implementation Plan and Water Plan Update Overview

Kat Weismiller  
Water Supply Planning Section



**COLORADO**  
Colorado Water  
Conservation Board  
Department of Natural Resources





**MISSION:**

The Colorado Water Conservation Board's mission is to conserve, develop, protect and manage Colorado's water for present and future generations.



2002



2005

"It  
bu

2005

NOTE: This bill has been prepared for the signature of the appropriate legislative officers and the Governor. To determine whether the Governor has signed the bill or taken other action on it, please consult the legislative status sheet, the legislative history, or the Session Laws.

# An Act

HOUSE BILL 05-1177

BY REPRESENTATIVE(S) Penry, Buescher, Decker, Liston, Massey, White, Berens, Clapp, Crane, Gallegos, Hall, Hoppe, Jahn, Kerr, Knoedler, Paccione, Rose, Stafford, Stengel, Sullivan, Romanoff, Boyd, Brophy, Coleman, Frangas, Harvey, King, Madden, May M., McCluskey, Merrifield, and Todd;  
also SENATOR(S) Isgar, Tapia, Taylor, Entz, Grossman, Kester, Fitz-Gerald, Groff, Teck, and Tupa.

CONCERNING THE NEGOTIATION OF INTERBASIN COMPACTS REGARDING THE EQUITABLE DIVISION OF THE STATE'S WATERS, AND MAKING AN APPROPRIATION IN CONNECTION THEREWITH.

*Be it enacted by the General Assembly of the State of Colorado:*

**SECTION 1.** Title 37, Colorado Revised Statutes, is amended BY THE ADDITION OF A NEW ARTICLE to read:

## ARTICLE 75 Interbasin Compacts

**37-75-101. Short title.** THIS ARTICLE SHALL BE KNOWN AND MAY BE CITED AS THE "COLORADO WATER FOR THE 21ST CENTURY ACT".

Capital letters indicate new material added to existing statutes; dashes through words indicate deletions from existing statutes and such material not part of act.

-Gov. Bill Owens

2002 quote on the Hayman Fire



2007

2010

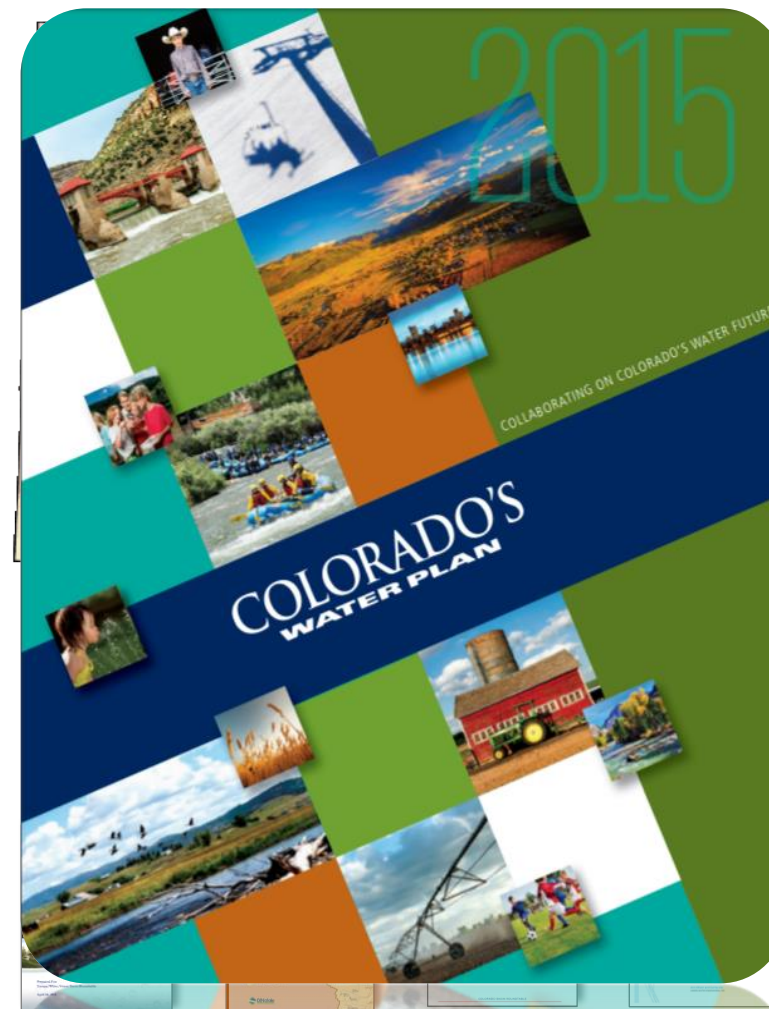
2013



**“We are all in this together and I think we have the tools and the relationships to be able to solve the challenges of water in the future”**

**-Former Governor John Hickenlooper**

2015



**3  
DRAFTS**

**30  
MONTHS**

**30,000  
COMMENTS**



FUNDING



CONSERVATION



LAND USE



STORAGE



EDUCATION



SUPPLY



AGRICULTURE



WATERSHED



ADDITIONAL





OF THE WATER FALLS WEST  
OF THE CONTINENTAL DIVIDE



OF THE PEOPLE LIVE EAST  
OF THE CONTINENTAL DIVIDE



24  
TUNNELS & DITCHES MOVE  
500,000 ACRE-FEET  
OF WATER FROM WEST  
TO EAST EACH YEAR

© **8** BASINS  
where major  
rivers flow

88% AG/FOOD PRODUCTION  
8% MUNICIPALITIES  
4% LARGE INDUSTRIES

© **5.6** MILLION PEOPLE  
use water to live, work  
and play in Colorado

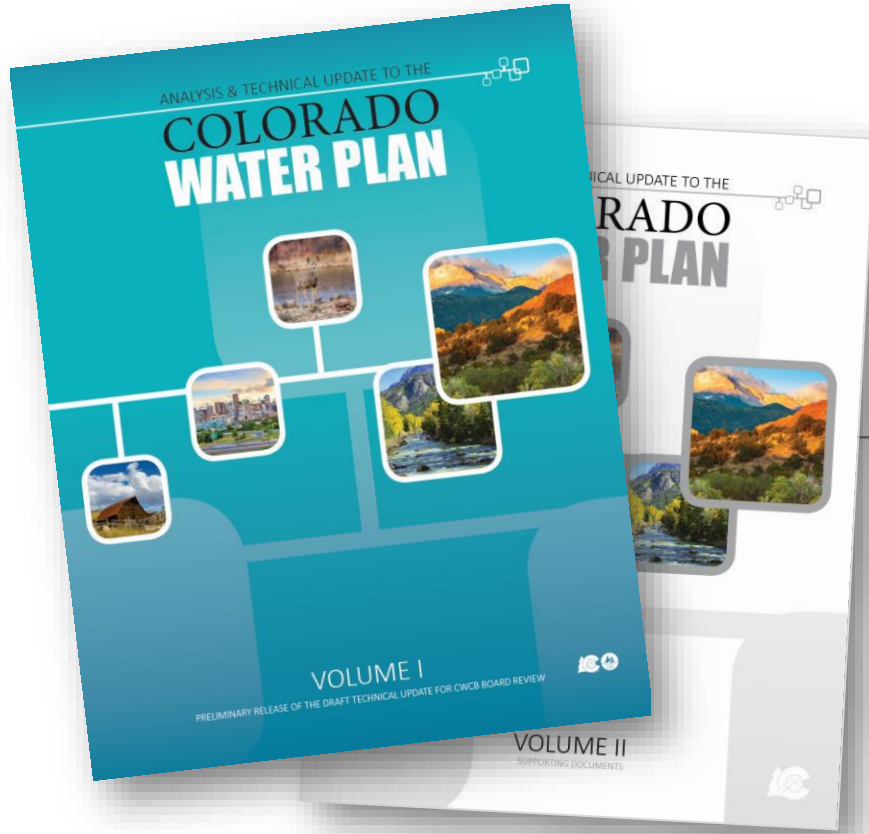
© 9 COMPACTS LEGALLY  
REQUIRE WATER TO BE  
DELIVERED BEYOND  
COLORADO'S BORDERS

© **9** ROUNDTABLES  
collaborate on  
local needs

© **15** MAJOR INDUSTRIES  
depend on water for  
growth and success

© UP TO 33% OF IRRIGATED  
LAND COULD BE DRIED UP  
BY 2050 TO MEET NEW  
MUNICIPAL DEMANDS

# THE WATER PLAN UPDATE PROCESS



**2019**

**BASIN  
IMPLEMENTATION  
PLAN UPDATES**

**2021**

**WATER PLAN UPDATE**

**2022**

# WATER PLAN WORK PLAN

## PHASE 1

OCT 2020 - JUN 2021

SCOPING

Municipal

Agriculture

Watershed

## PHASE 2

JUL 2021 - MAR 2022

DRAFTING

## PHASE 3

APR 2022 - DEC 2022

FINALIZING




# THE WATER PLAN VISION

- ACTION-FOCUSED
- INCREASINGLY ACCESSIBLE
- LINE OF SIGHT
- ORGANIZED BY ACTION AREA

 Vibrant Communities

 Robust Agriculture

 Resilient Planning

 Thriving Watersheds



# HOW TO STAY ENGAGED

- UPCOMING WORKSHOPS
- RIVERSIDE CHAT II
- BASIN ROUNDTABLE ENGAGEMENT
- ENGAGECWCB.ORG



## Engage with the Colorado Water Plan Update



### Core Values

Three core values shape the Water Plan.

[Learn More](#)



### Update Status

CWCB is currently collecting survey feedback.

[Learn More](#)



### Update Timeline

A multi-step process leads up to the 2022 update!

[Learn More](#)



### Water Plan History

When then Colorado Water Conservation Board was directed to create the Colorado Water Plan in 2013, it set in motion one of the largest stakeholder processes in Colorado history.

# *Integration of Agriculture in Land-Water Use Nexus*



**Alex Funk**

Agricultural Water Resources Specialist,  
Interstate, Federal & Water Information Section,  
CWCB



# Water-Resource/Land Use Drivers of Ag Development

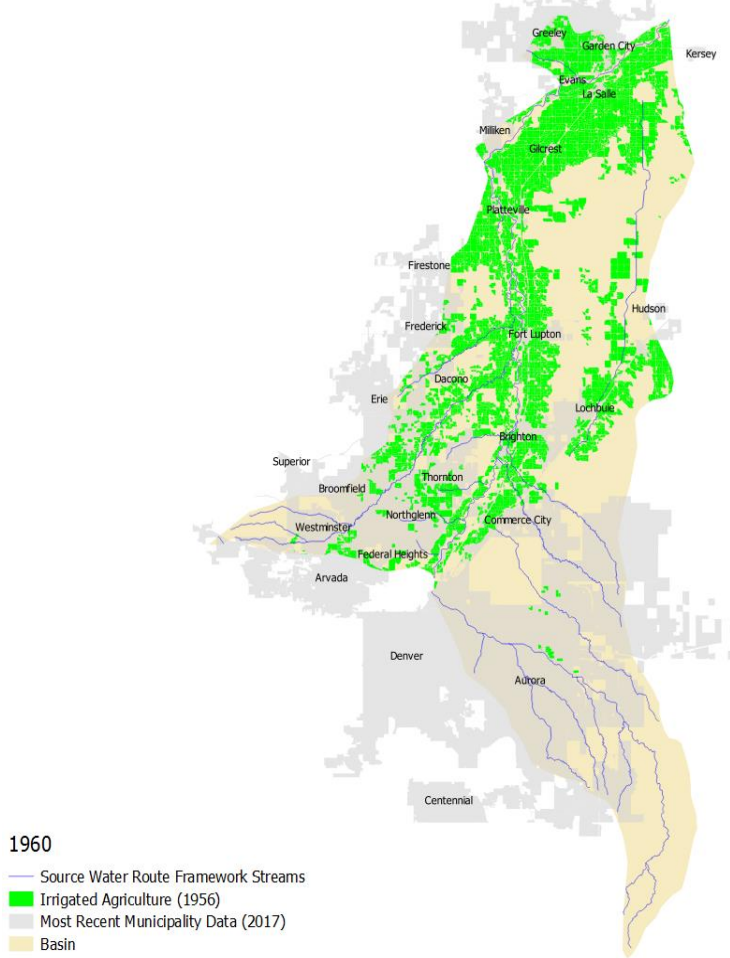
According to state projections, water supply and demand challenges will continue to drive potential, permanent reductions in irrigated agriculture acreage in most basins

What are the key water-related drivers:

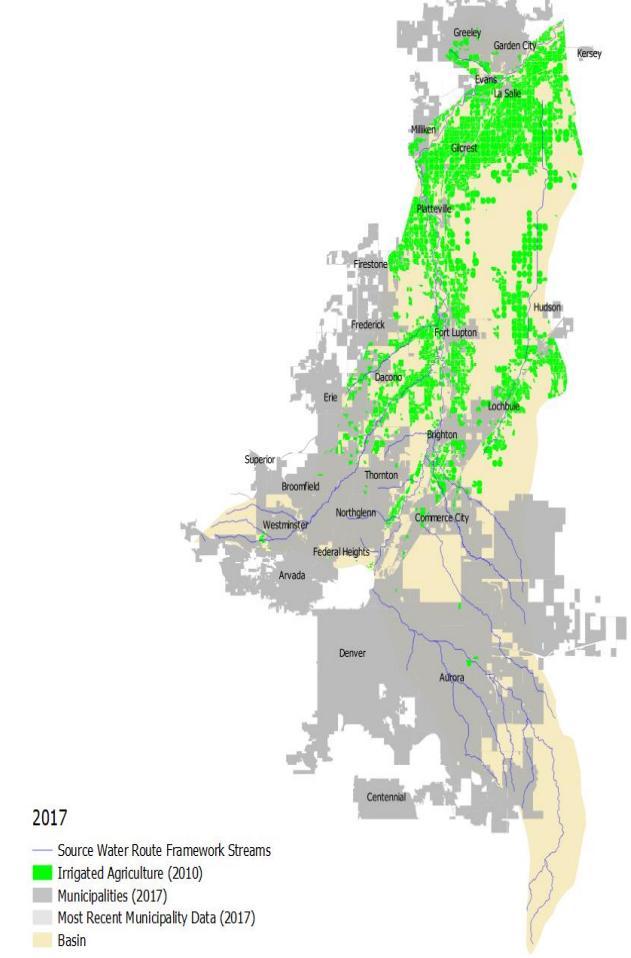
**Planned agriculture to urban transfers** = 77,600 acres (this could increase depending water supply development)

**Urbanization** = 152,400 acres (5% of current acreage)

South Platte - Denver Gage to Greeley Watershed (District 02) Irrigated Agriculture



South Platte - Denver Gage to Greeley Watershed (District 02) Irrigated Agriculture



# *Crowley County, Colorado*

Once a key agricultural community, known for sugar processing, cantaloupe

Increase in ag to urban water transfers begins in 1960s due to several factors such as debt, low commodity prices, drought, and buyers

Purchase of irrigation water rights in Twin Lakes Reservoir and CO Canal and transferred to Aurora, Pueblo, and Colorado Springs

92% reduction in irrigated acreage in Crowley County (47,373 acres); significant loss of jobs and businesses; declining population; decline in local tax revenue for services

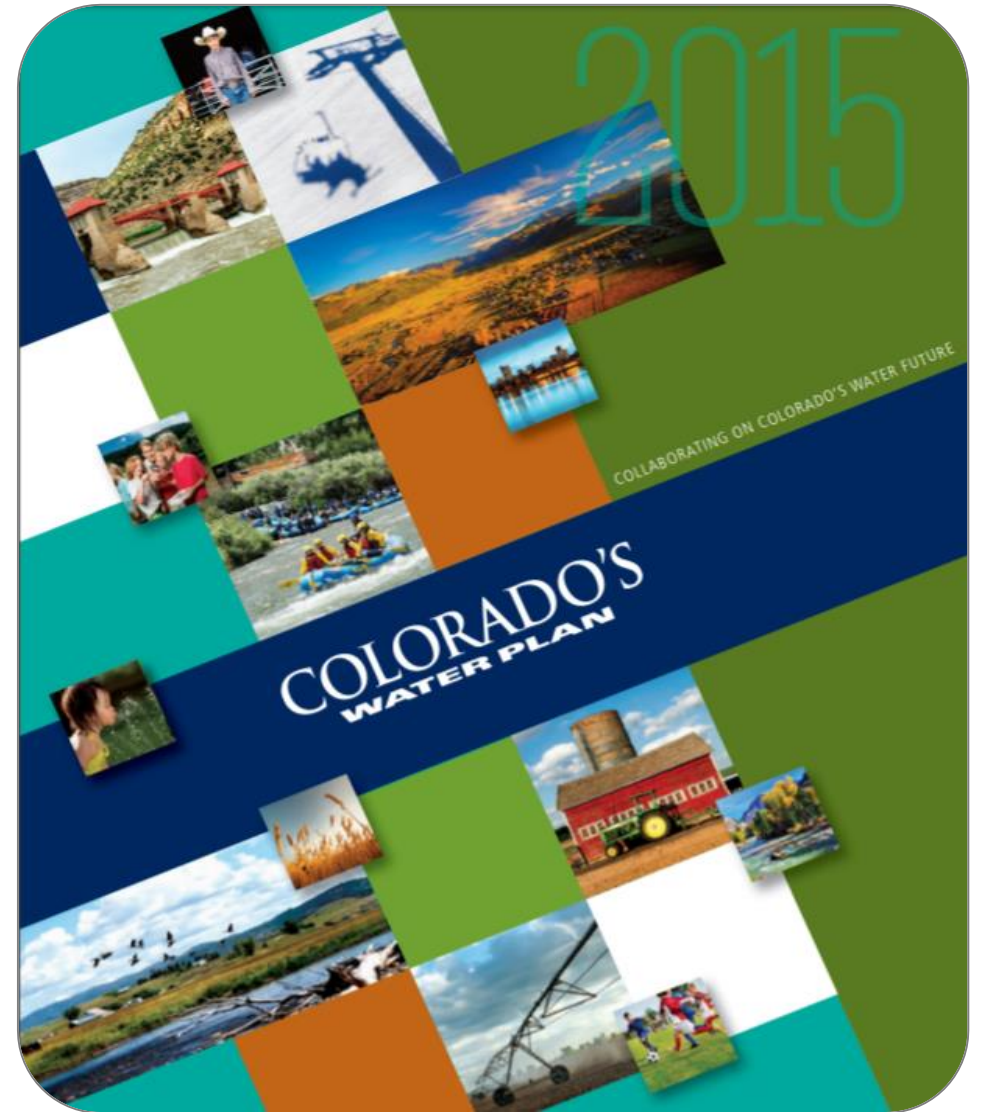


# Colorado Water Plan

# Executive Order directs CWCBC to develop state water plan, finding in part that the rate of buy-and-dry is unacceptable

Calls for actions to support “alternative transfer methods” that minimize permanent reductions in irrigated acreage and associated negative externalities

Sets a measurable goal to achieve 50,000 acre-feet through voluntary ATM projects

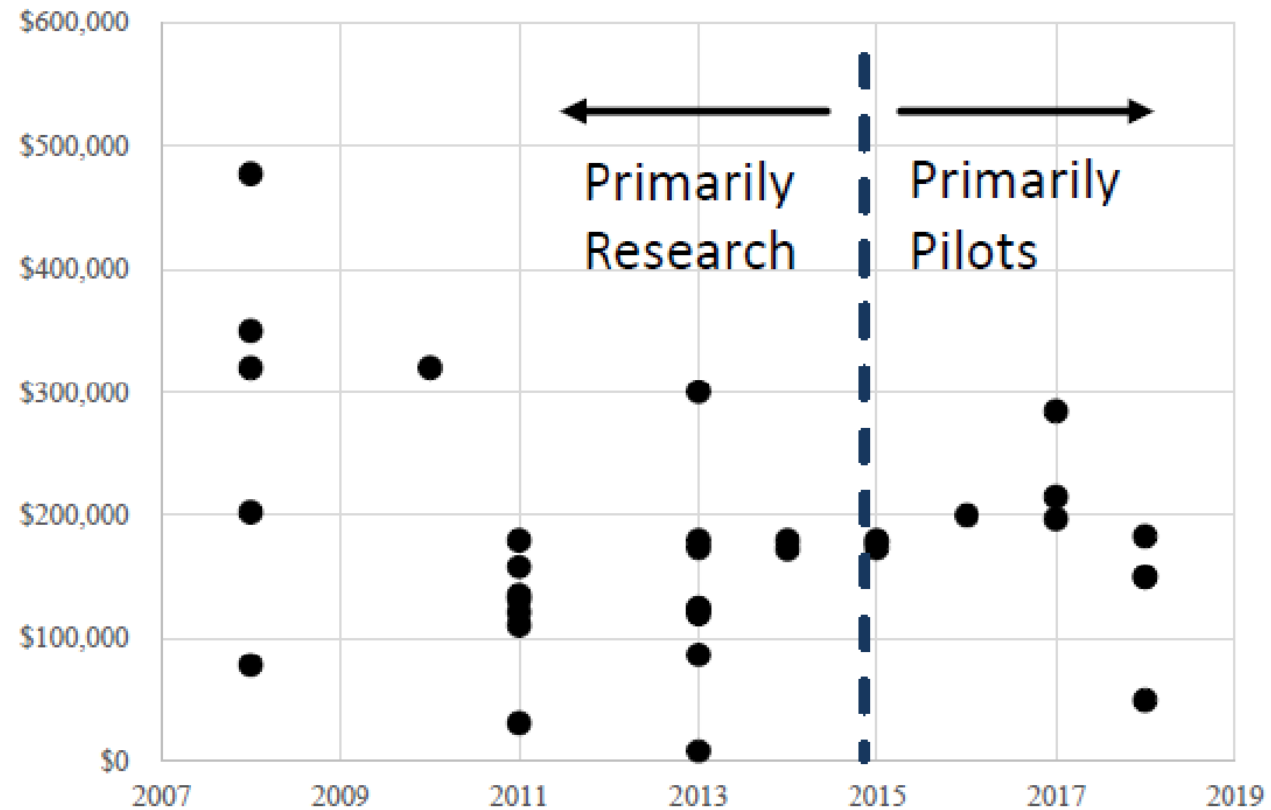




# Administrative Tools for ATMs in Colorado

- Substitute Water Supply Plan (C.R.S. 37-92-308)
- Agricultural Temporary Loans (C.R.S. 37-83-105(1)(a))
- Temporary Instream Flow Loans (C.R.S. 37-83-105(2)(a))
- Fallowing-Leasing Pilot Projects (C.R.S. 37-60-115(8))
- Interruptible Water Supply Agreements (C.R.S. 37-92-309)
- Water Banking Pilots (C.R.S. 37-80.5-101)
- Agricultural Water Protection Water Right (C.R.S. 37-92-305(19) & 37-92-308(12))

# Alternative Transfer Methods Grant Program



# Criteria to Define ATM Transactions

**Table 13: Criteria to Define ATM Transactions**

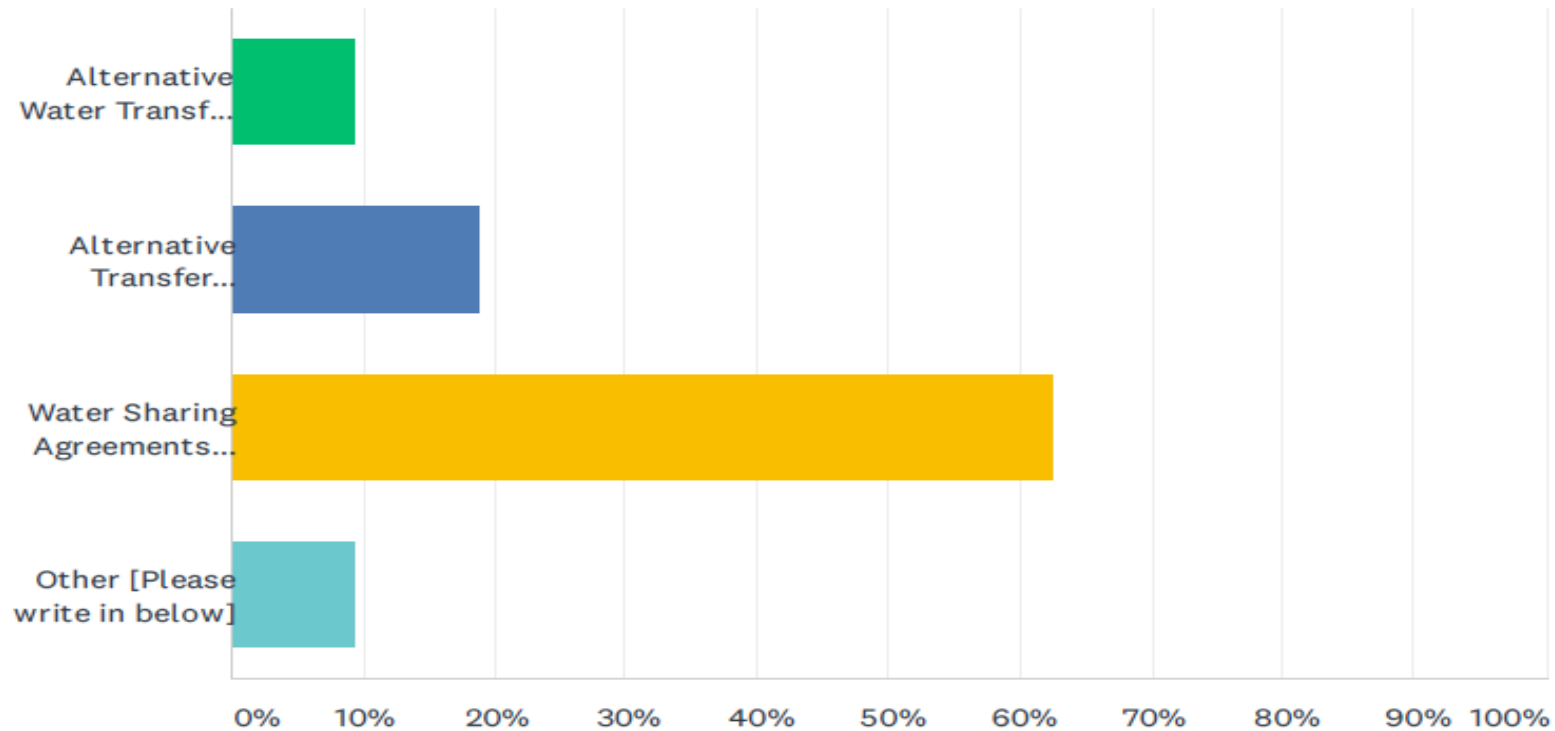
	Item	Criteria	Context
Required	Activity	Water transfer that reduces the permanent dry-up of agricultural lands	ATM projects must be a water transfer that reduces permanent irrigation dry-up. Two requirements are in this statement.
	Purpose	Meets a defined objective in the Colorado Water Plan	ATM projects must provide water to a new use in a manner that advances progress on goals & objectives in the CO Water Plan.
Preferred	Term	Secures a water transfer to a new use for a term of 10 years or more.	ATM projects are distinguished from annual leasing activity by their term. ATM projects should seek to secure long-term contracts for a water transfer. Pilot projects are helpful to explore new concepts and develop proof of concepts.
	Ownership	Water right ownership retained in whole or in part by agricultural sector	ATM projects can benefit agriculture by ensuring that ownership of the water rights and management of the water source remains with agriculture, while providing for non-agricultural uses.
	Transfer Frequency	Water should remain in agricultural use as much as possible, but ideally no less than 5 out of 10 years, or an equivalent % of irrigation on an annual basis.	ATM projects can be structured to provide water to an alternative use in multiple years. The goal is to keep a particular farm operating in as many years as possible. An approximate threshold is maintaining agricultural use in 5 out of 10 years.
	Target At-Risk Areas	Avoidance of permanent dry-up should focus on lands that face a risk of dry-up (i.e., those beneficial for other uses)	ATM projects that directly prevent the dry-up of irrigated lands at high-risk of dry-up in the next decade should be prioritized over projects that prevent a conceptual dry-up of low-risk lands or that indirectly prevent dry-up of lands in a broad region.
	Agriculture Benefit	Provides a net economic benefit to agricultural working lands & rural communities	ATM projects should be beneficial to agriculture & rural communities, otherwise there is no clear dividing line between ATMs and other water transactions



# WATERNOW ALLIANCE SURVEY

Q6 Which of the following terms do you prefer to describe Alternative Transfer Methods?

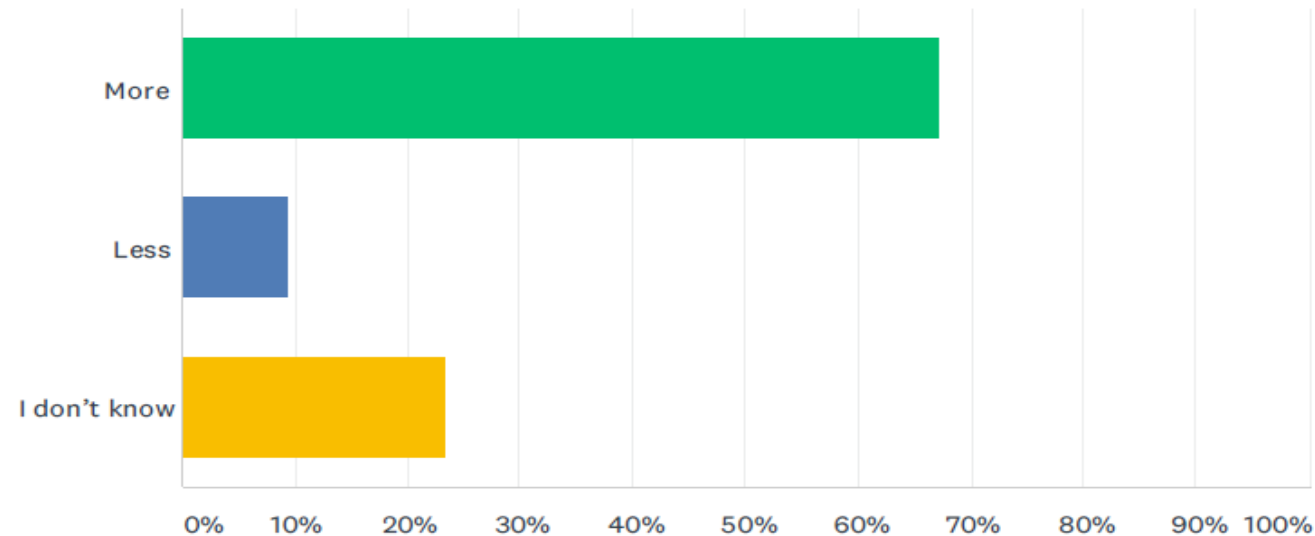
Answered: 64 Skipped: 0



# WATERNOW ALLIANCE SURVEY

Q7 If CWCB were to move forward with new terminology describing alternative water-sharing activities, should that term encompass a broader suite of water-sharing/leasing activities beyond agricultural-to-urban transfers such as, but not limited to, municipal, industrial, and environmental water leasing programs that have not traditionally been supported under CWCB's ATM program?

Answered: 64 Skipped: 0



# ***2020 ATM Status Report: Barriers and Opportunities***

**Delivery and infrastructure cost** – regional and cooperative approaches to infrastructure development and funding

**Complex process, high transactions costs for temporary supply** – work to encourage administrative processes to streamline certain types of transactions for drought recovery

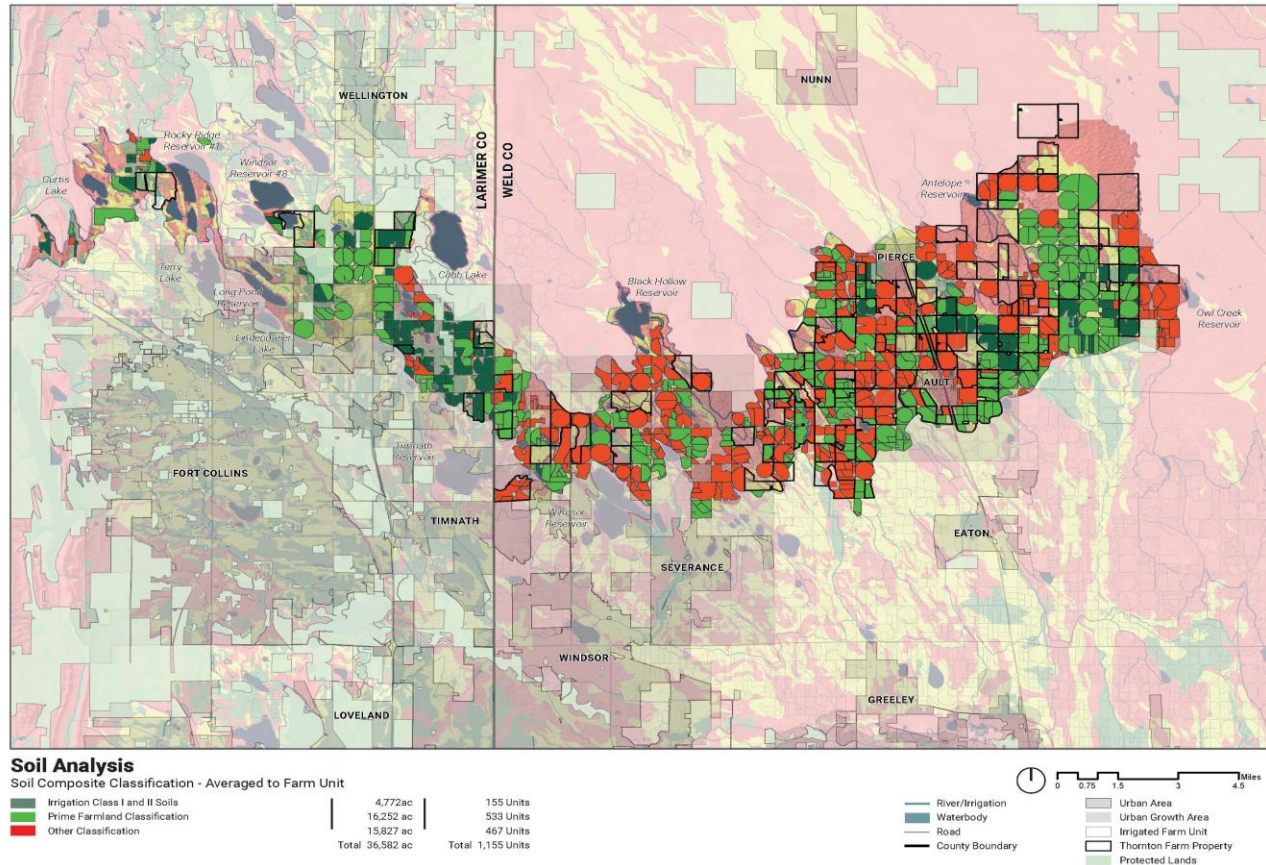
**Permanency and risk** – transaction needs to pencil out for all parties- promising models may include coupling of conservation easements with ATM or co-ownership of water supply or land

**Encouraging flexibility** – recognizing alternative water-sharing approaches such as municipal rental programs

**Consider other tools** – land use planning, water dedication policies



# A Hybrid Approach: City of Thornton



City of Thornton, through series of land/water purchases owns 18,000 acres of irrigated farmland w/ decree to change water to municipal uses

Thornton intends to develop and deliver water rights between 2025 and 2065

Thornton is conducting a process to develop a stewardship plan for the properties to identify the best long-term uses of these properties to enhance community objectives

# Urban Agriculture & the Update



Urban agriculture & community gardening is growing in popularity in the Colorado - provides several, well documented social and community benefits

Less understood, is the potential for urban agriculture to provide “green infrastructure” benefits and water conservation versus traditional landscaping

CWCB and DOLA, in partnership w/ WaterNow Alliance will be researching these benefits, assess policy development



# *Mitigating Impacts of Climate Change at Watershed Scales*



**Chris Sturm**  
Watershed Program Director,  
Watershed & Flood Protection Section,  
CWCB





# Mitigating Impacts of Climate Change at Watershed Scales

Chris Sturm,  
Watershed Program Director –  
Colorado Water Conservation  
Board



**COLORADO**  
Colorado Water  
Conservation Board  
Department of Natural Resources



# Watershed

*“that area of land, a bounded hydrologic system, within which all living things are inextricably linked by their common water course and where, as humans settled, simple logic demanded that they become part of a community”*

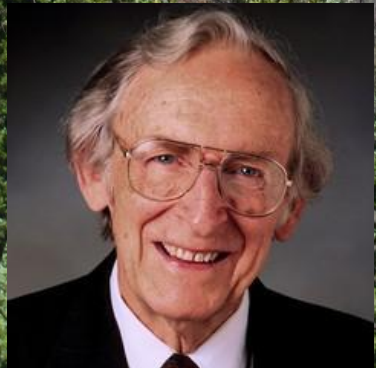
-John Wesley Powell



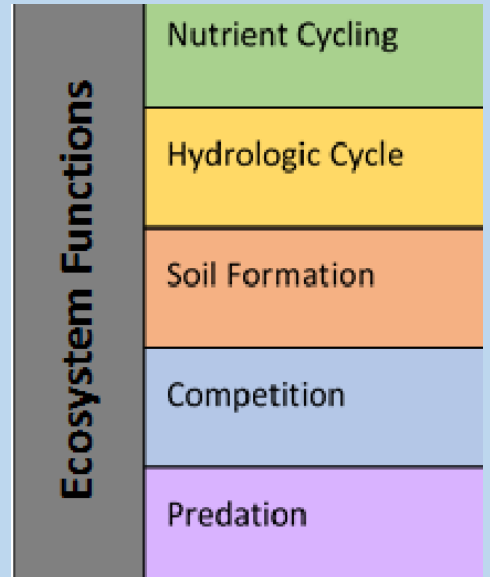


# *Watershed and Forest Health*

## Ecosystem Structure



*"We are able to breathe, drink, and eat in comfort because millions of organisms and hundreds of processes are operating to maintain a livable environment, but we tend to take nature's services for granted because we don't pay money for most of them."* -Eugene Odum



**COLORADO**  
Colorado Water  
Conservation Board  
Department of Natural Resources

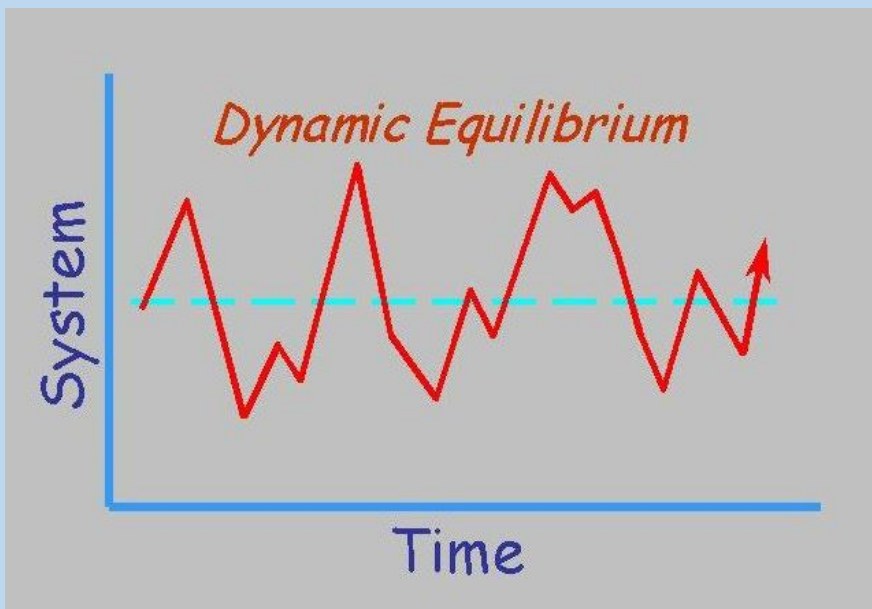


## **Resilience** – Colorado Resiliency Office definition:

The ability of communities to rebound, positively adapt to, or thrive amidst changing conditions or challenges — including human-caused and natural disasters — and to maintain quality of life, healthy growth, durable systems, economic vitality, and conservation of resources for present and future generations.

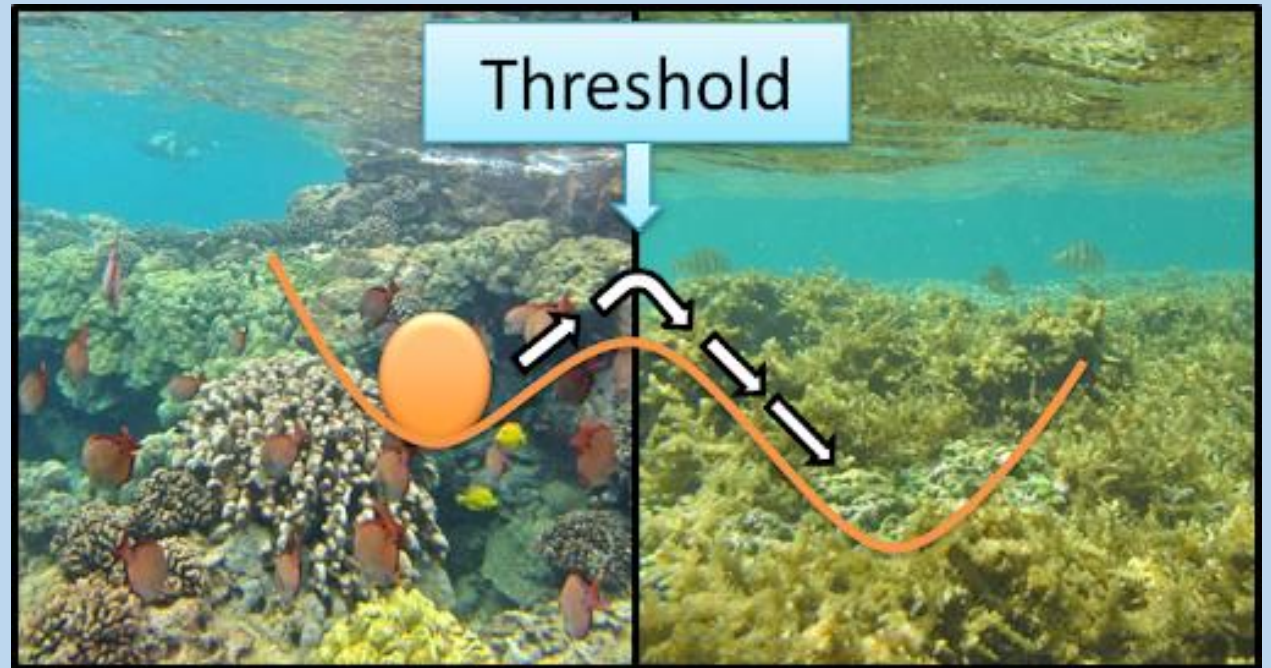
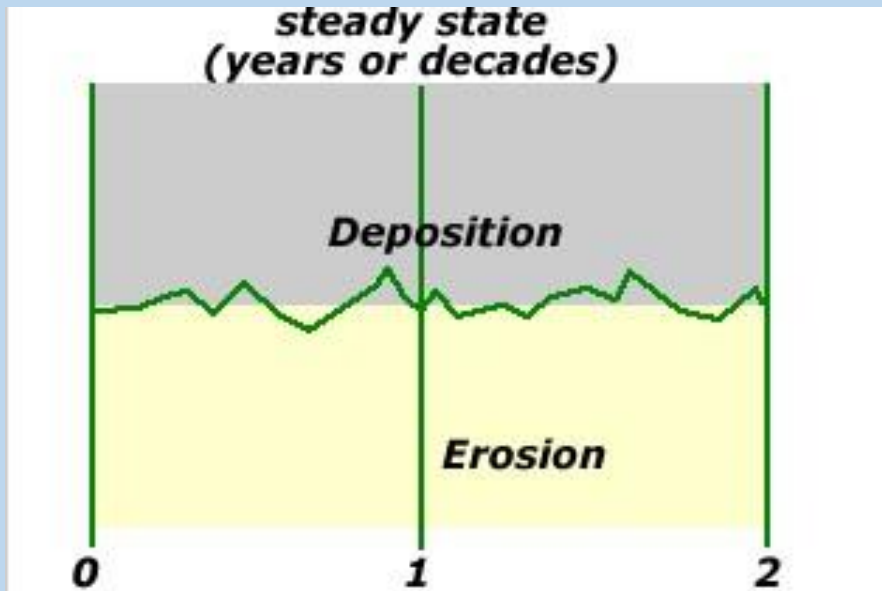
**Ecological resilience** is “the capacity of an **ecosystem** to absorb repeated disturbances or shocks and adapt to change without fundamentally switching to an alternative stable state” (Holling, 1973).

**2020 Colorado Resiliency Framework** states – “Integrate stream, watershed, and forest management planning efforts, using a holistic watershed approach to identify cross-cutting projects that are high priority, impactful to improving climate and natural hazard resiliency, and provide multiple resiliency benefits.”



Steady state – disturbance – response – steady state.

Resilience is the time from disturbance back to steady state.



# Colorado - New Mexico Regional Extreme Precipitation Study

## Summary Report

### Volume I

Project Background and Overview

November 30, 2018



*... suggest a  
potential  
increase in  
short-duration  
rainfall  
intensity of 5-  
15% in  
Colorado*



## Projecting Rainfall Intensity Duration Frequency Curves Under Climate Change

6/30/2019

### Submitted To:

Kevin Houck  
Colorado Water Conservation Board  
1313 Sherman St, Room 718  
Denver, CO, 80203

### Prepared By:

Lynker Technologies, LLC  
3002 Bluff St., Suite 101  
Boulder, Colorado 80301



Boulder, Colorado

DC-Metro

Pacific-Oahu





# 2020 Colorado State Forest Service Forest Action Plan



## Forest Action Plan

### Watershed Protection

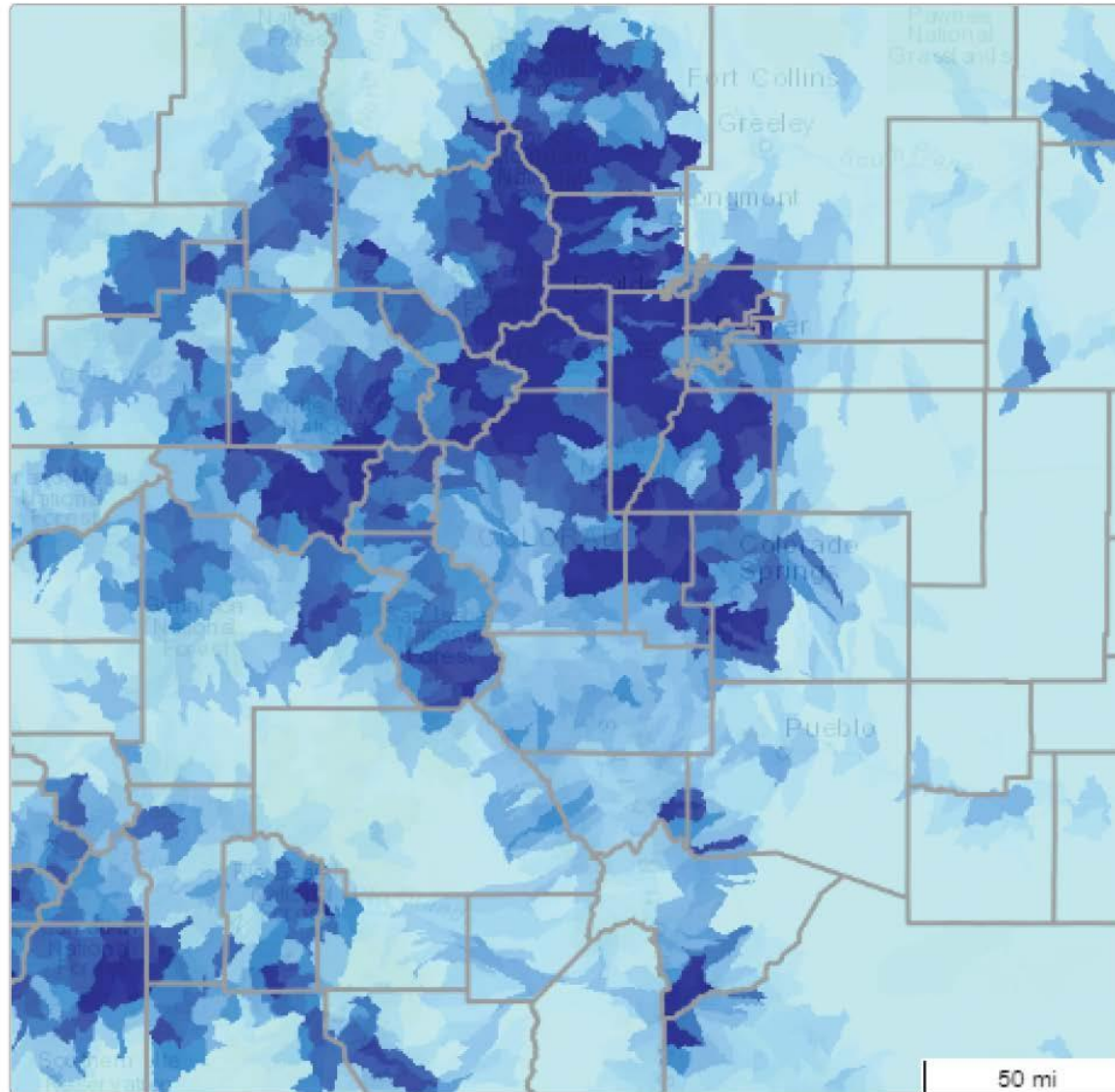
Represents priority areas where opportunities exist to improve and maintain water quality and quantity, improve resiliency of critical water infrastructure, and sustain or restore fundamental ecological functions for watershed health.

#### Report Created On:

2/10/2021, 9:12 AM

#### Disclaimer

The information contained herein is provided as a public service and is for NONCOMMERCIAL PURPOSES ONLY.



## Watershed Protection

Represents priority areas where opportunities exist to improve and maintain water quality and quantity, improve resiliency of critical water infrastructure, and sustain or restore fundamental ecological functions for watershed health.

*[coloradoforestatlas.org](https://coloradoforestatlas.org)*

# 2020 Colorado State Forest Service Forest Action Plan



## Colorado Wildfire Risk Public Viewer

<https://co-pub.coloradoforestatlas.org>

### Wildfire Risk

The overall composite risk occurring from a wildfire derived by combining Burn Probability and Values at Risk Rating.

#### Report Created On:

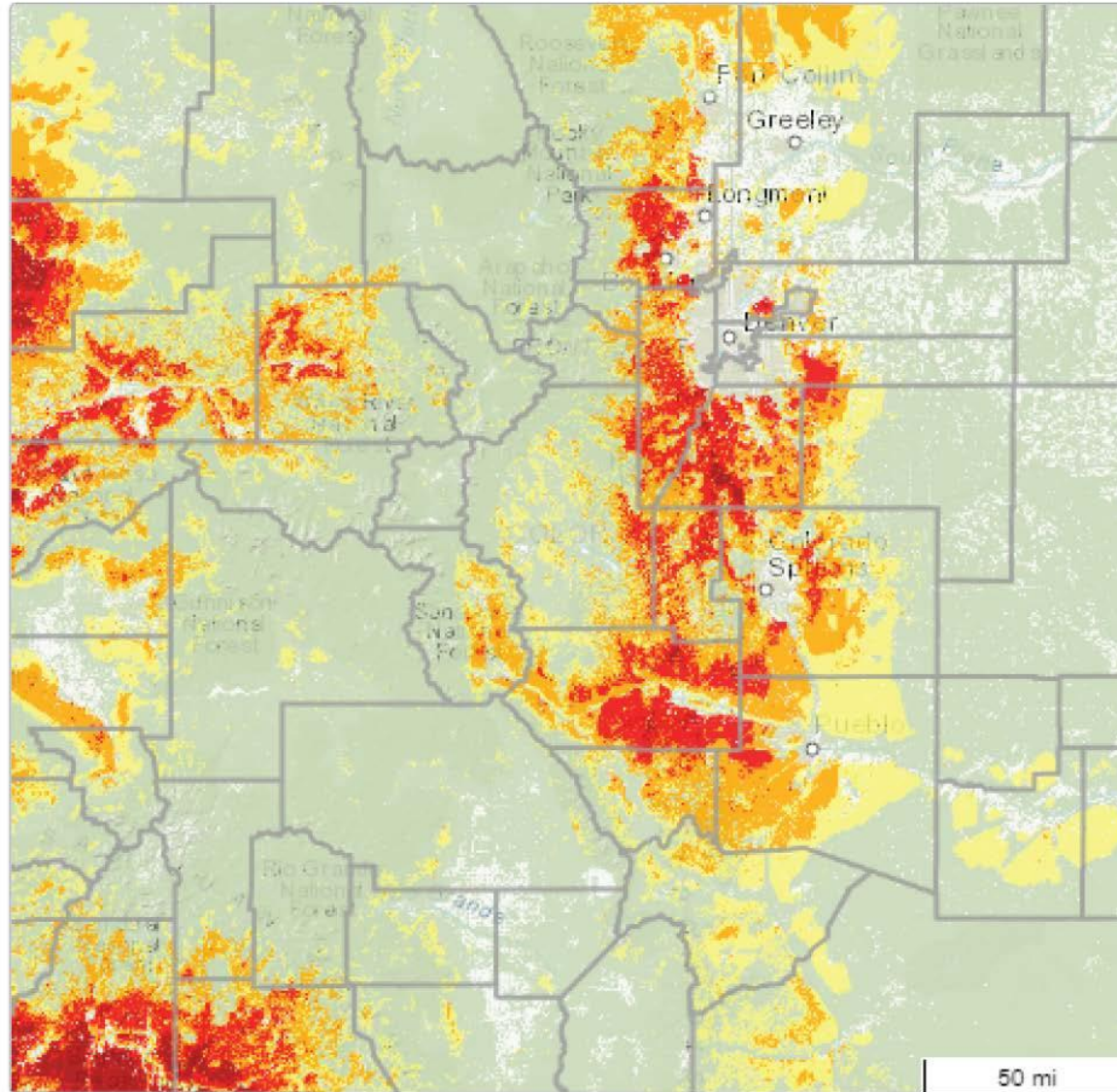
2/11/2021, 2:49 PM

### Disclaimer

The user assumes the entire risk related to their use of the Colorado Wildfire Risk Public Viewer and either the published or derived products from these data.

The Colorado State Forest Service is providing these data "as is" and disclaims any and all warranties, whether expressed or implied, including without limitation any implied warranties of merchantability or fitness for a particular purpose.

In no event will Colorado State Forest Service be liable to you or to any third party for any direct, indirect, incidental, consequential, special or exemplary damages or lost profit resulting from any use or misuse of these data.



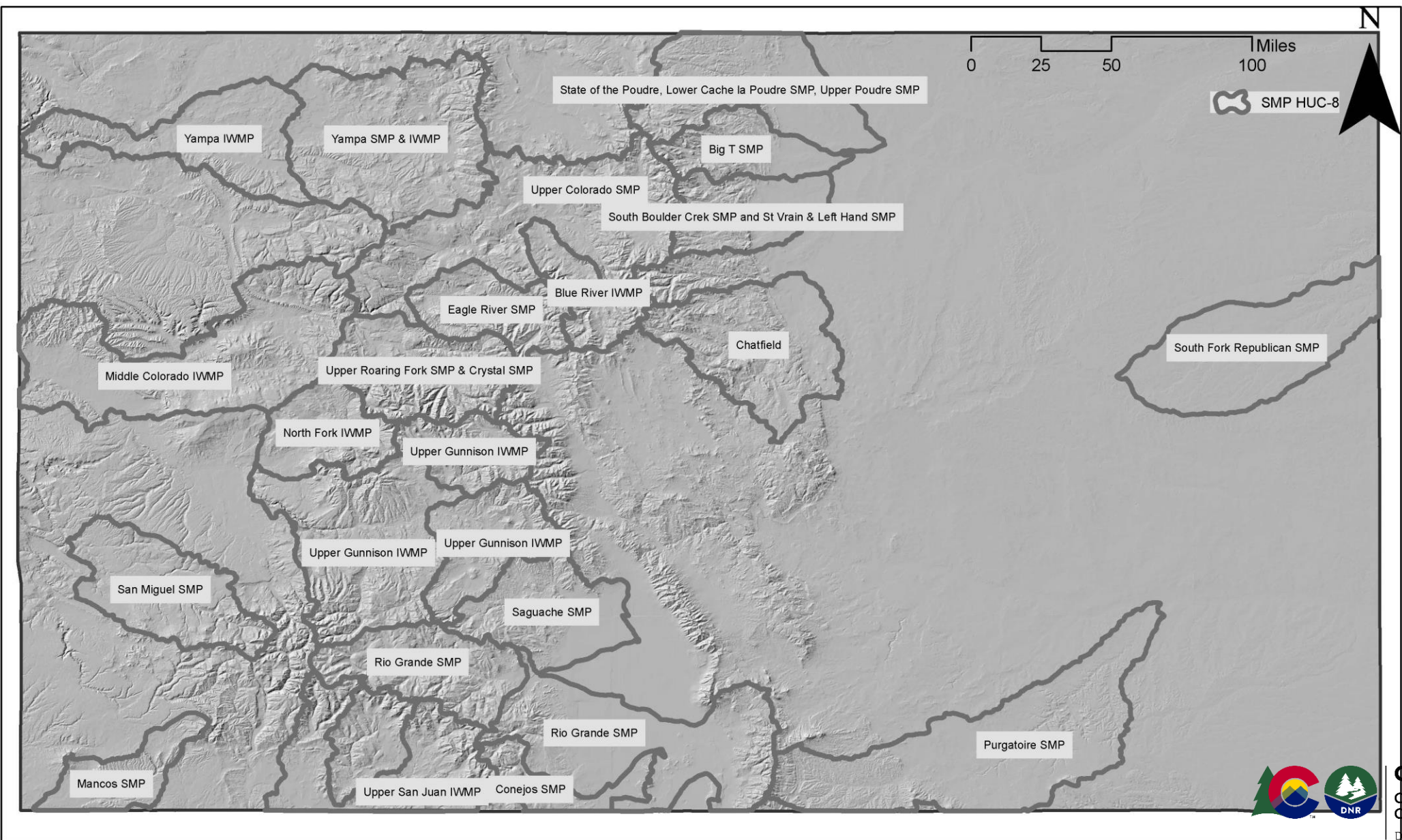
## Wildfire Risk

The overall composite risk from a wildfire combining Burn Probability and Values at Risk Rating

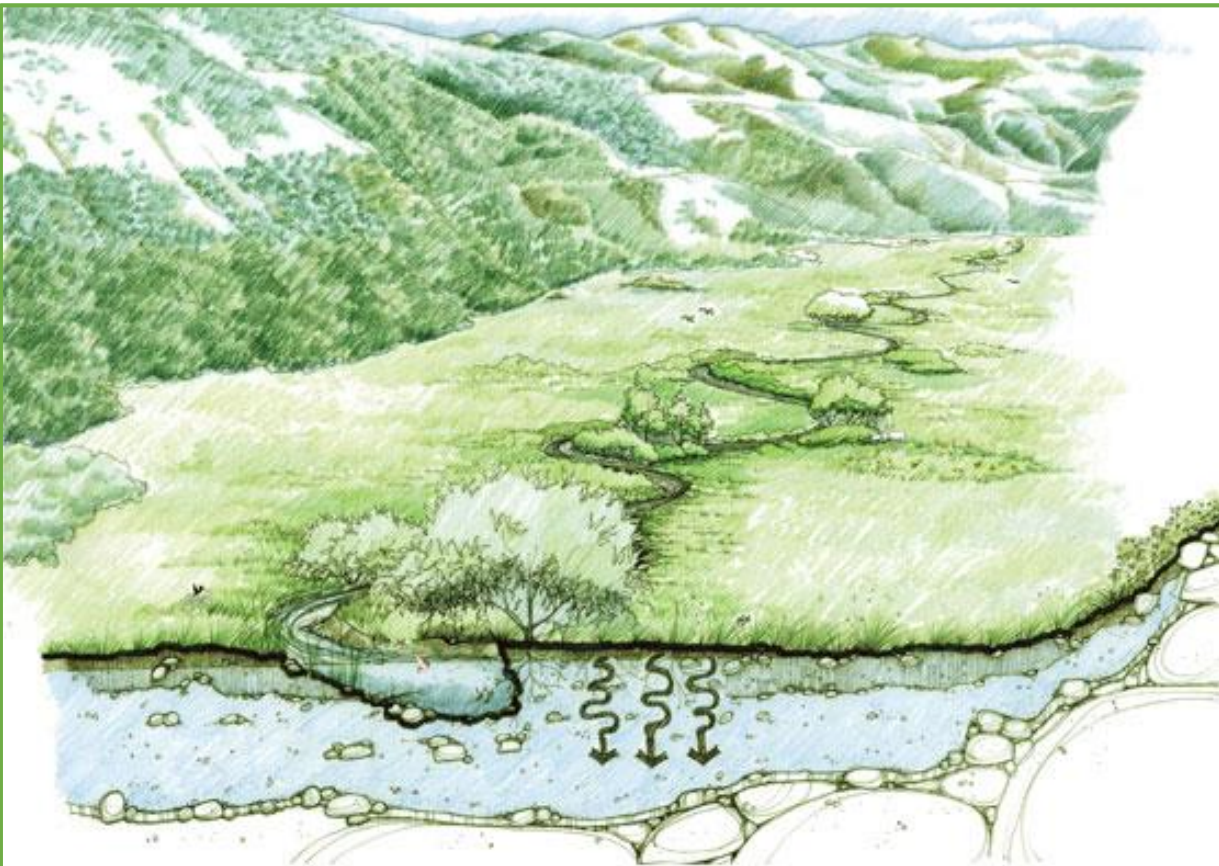
[coloradoforestatlas.org](https://coloradoforestatlas.org)



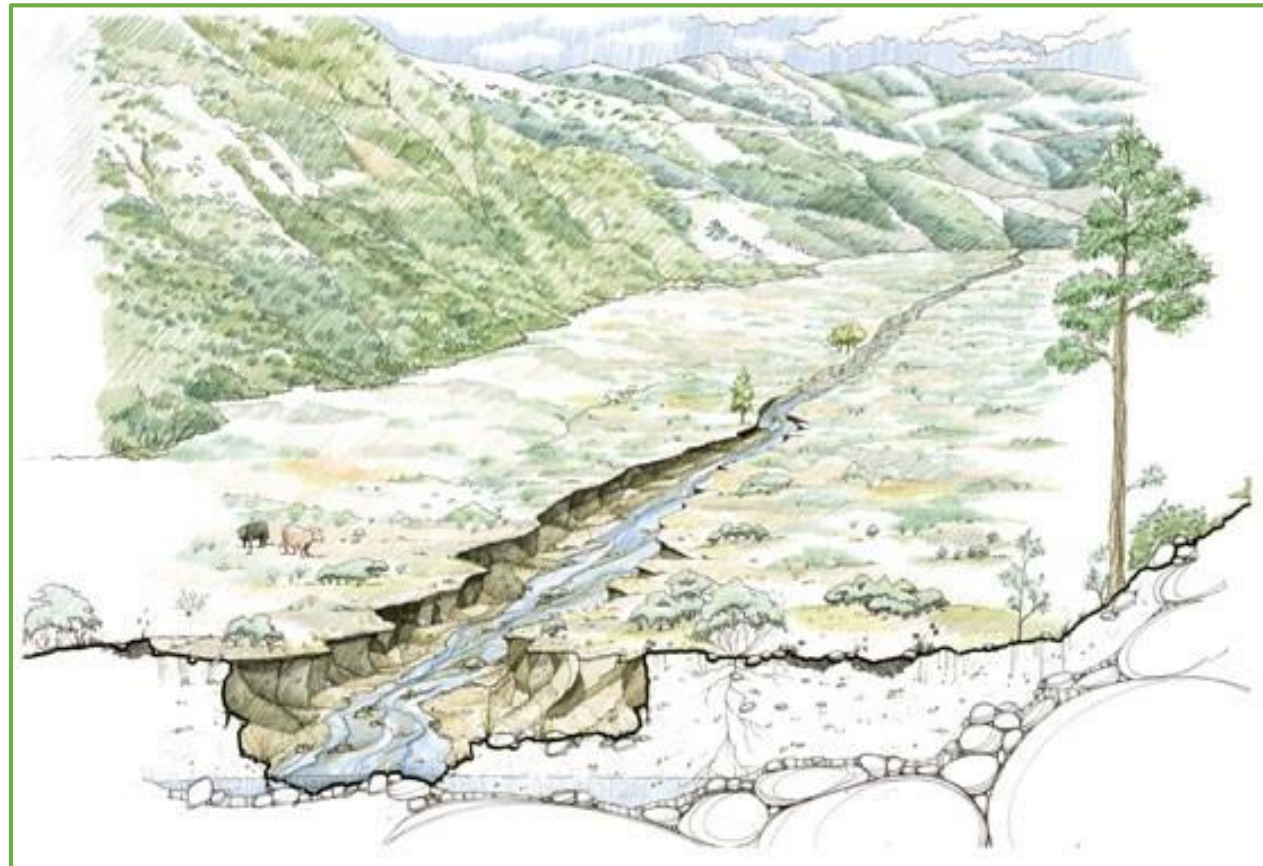
# 2021 Existing Stream and Integrated Water Management Planning Areas







**Healthy Meadow:** Factors of a pristine meadow include: meadow hydrology, soils and vegetation and interdependent; diverse mosaic of habitat with wet meadow and riparian vegetation; surface flow from snowmelt; high water table; inundation during floods with sediment deposition and attenuated flood flows; subsurface flow of snowmelt; and percolation with groundwater recharge.



**Unhealthy Meadow:** Factors of a degraded meadow include: reduced natural storage of water; lowering of groundwater table; flood flows confined to channel with no inundation during floods; disconnect of channel from meadow floodplain; reduced percolation; xeric (or dry) vegetation; incised stream channel with increased sediment transport; and compacted soils.



# Fluvial Hazard Zone

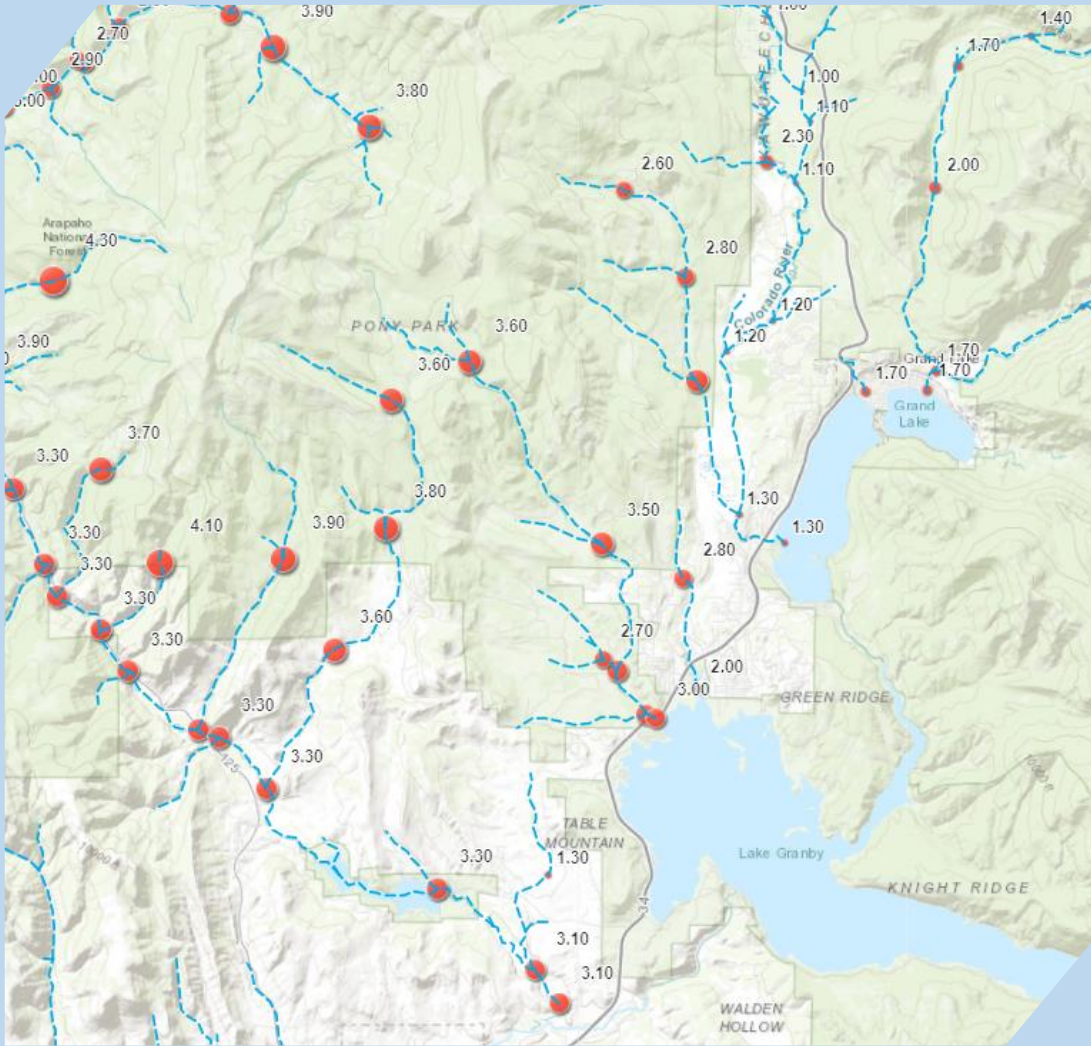
The Fluvial Hazard Zone (FHZ) is the area a stream has occupied in recent history, may occupy, or may physically influence as it stores and transports water, sediment, and debris.



"Fluvial Hazard Zone maps can show us areas of risk and opportunity at the same time. Opportunities for community protection and enhancement of environmental and recreational attributes increase tremendously when we map and recognize the FHZ."



# Post Fire Risk - Hydrology



East Troublesome magnitude of post fire hydrologic impacts.

**Hydrologic evaluations help determine the magnitude of impact to post fire flows**

- Rapidly delineate watersheds within the burn area
- Develop pre and post fire flow estimates
- Determine flow rates at roadway crossings (culverts and bridges)
- Hydrology Completed or in Process for:
  - East Troublesome Fire
  - Calwood Fire
  - Grizzly Creek Fire
  - Pine Gulch Fire
  - Cameron Peak Fire



# Post Fire Risk - Hydraulics



Pre (left) and post (right) fire flood hazard mapping within the East Troublesome burn perimeter.

**Hydraulic evaluations provide an understanding of post fire flood hazards and associated risk to life and property**

- Hydraulic evaluations covering all streams within the burned watersheds
- Delineate pre and post fire depths and velocities (non-regulatory)
- Estimate depth and velocity at structures near the rivers and streams
- Supports the evaluation of risk assessment -- houses, culverts, bridges, and water infrastructure

# **Colorado Water Conservation Board Watershed Protection Program**

## **Grant Programs:**

- **Colorado Watershed Restoration Program (CWRP)**
  - ✓ **Watershed/Stream Restoration and Protection grants**
  - ✓ **Flood Mitigation grants**
  - ✓ **Stream Management Plan grants**
  - ✓ **CWCB Monitoring projects**
- **Colorado Water Plan grants**
- **Colorado Healthy Rivers Fund (CHRF)**
- **Fish and Wildlife Resources Fund (FWRF)**

# *Land Use, Reuse, and Conservation*



**Kevin Reidy**  
Water Conservation Specialist,  
Water Supply Planning Section,  
CWCB



# *Water Element in Comprehensive Plans*

- Basic starting point for integration; everything follows from there
- A chance to create dialogue across silos
  - The perfect opportunity for water and land planners to work together during the process but more importantly to institutionalize the relationship
- The Water Plan will reinforce that comprehensive plans should have a water element and should address the minimum information identified in HB 20-1095 language

# *Continue Training and Technical Assistance Throughout CO*



## Growing Water Smart workshops

- Nearly 40 communities have been trained in land and water use integration
- Over 50% of Colorado's population is represented by these communities

## Working with private developers

- Urban Land Institute (ULI) will engage private developers and others from the private sector on integrating land and water planning

Looking for ways to leverage partnerships to increase training and technical assistance



# Water Reuse & Alternative Water Sources

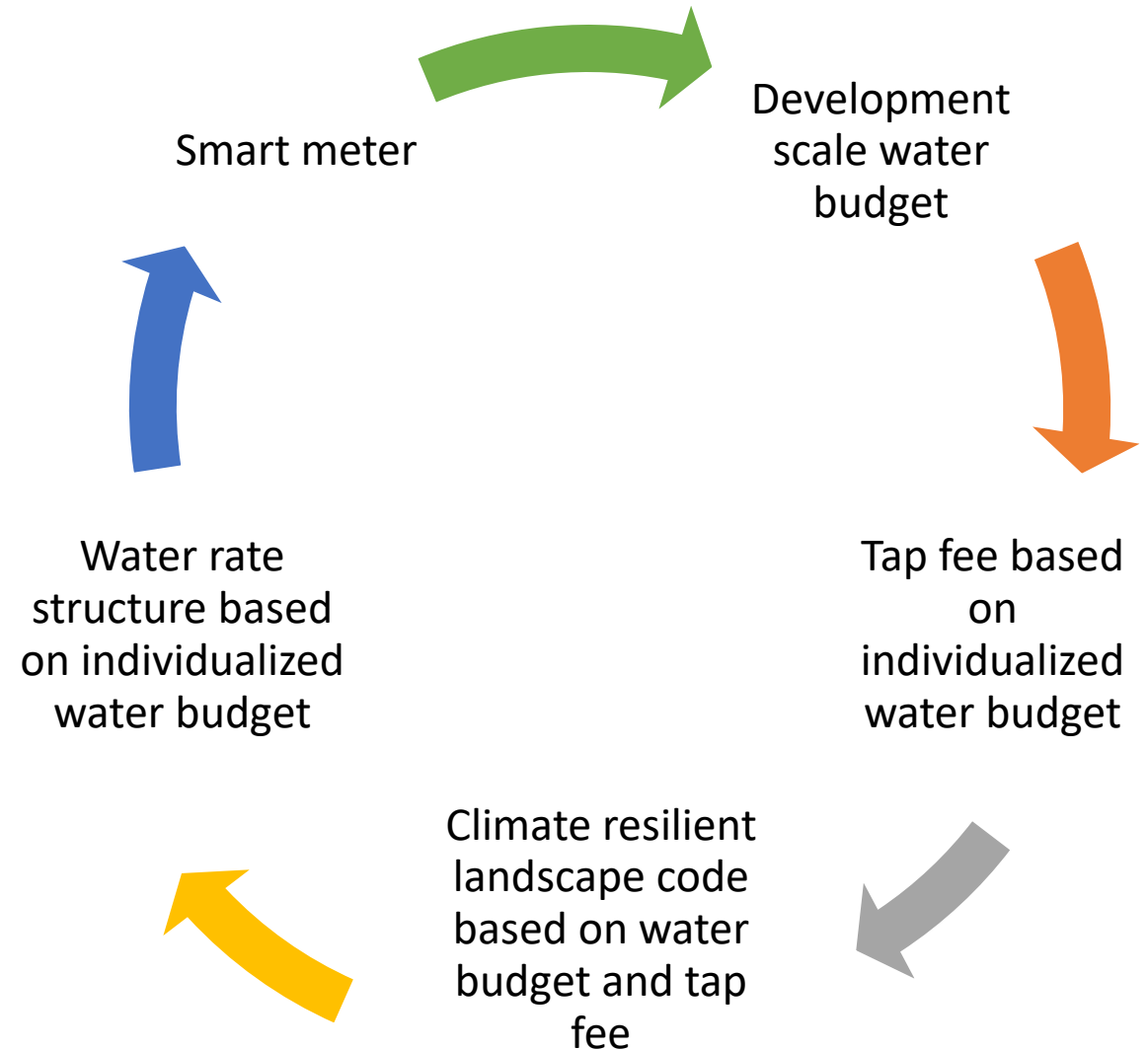


Promotion of site scale water reuse (graywater systems, rainwater harvesting, and green building codes and other land use codes)

- At present, there are only 3 jurisdictions who have adopted greywater ordinances
- 40 new homes being constructed with whole house greywater systems and advanced leak detection in Denver Water service area
- Initial data on a few homes looks really promising

# *Water Adequacy and Water Budgets in New Development*

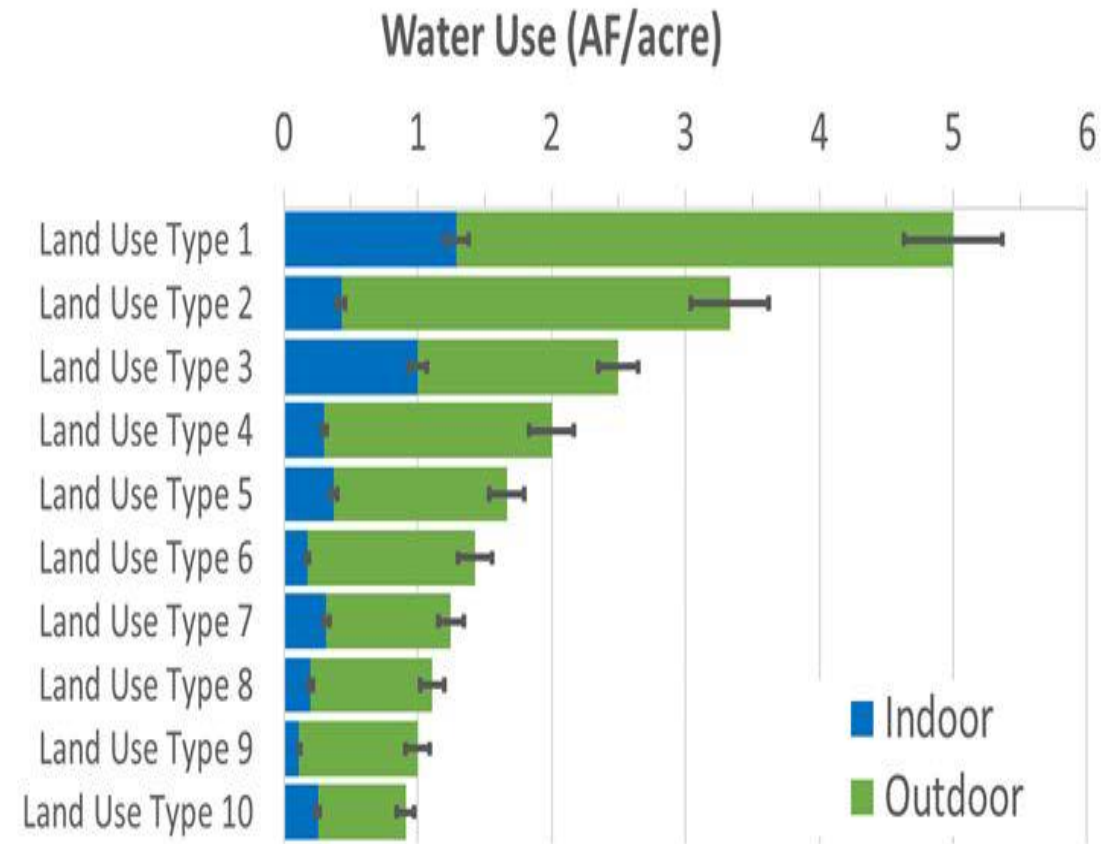
- Showing an adequate water supply
  - Colo. Rev. Stat. § 30-28-133(3)(d)
  - Colo. Rev. Stat. § 29-20-304(1)
- Water Budgets (scaled)
  - Staying within demands that were developed pre-development
- Sterling Ranch tracking demands in all new development
  - Hitting targets set out before development
- Baseline: New development and re-development should be water conscious development





# Quantifying Water Demand Through Zoning Classifications or Land Use Types

- Interesting work being done in Westminster and special water districts around Fort Collins
- New work done by Babbitt Center for Land and Water Policy and UC-Denver in Aurora Water service area
- Colorado Big Thompson example: Instead of buying more water shares some communities have modified landscape regulations, changes to lot sizes, or alternative water dedication policies



# *An Integrated Planning Future*



ONE COMMUNITY  
ONE FUTURE  
ONE WATER

- Integration of water efficiency into water resource planning and land use planning within local government
  - Link urban water efficiency into urban food production, climate resilience, stormwater management, green building, etc.
- Organize around a One Water planning framework when looking at urban water efficiency
  - This brings together land use planning, water efficiency, alternative water sources
- Denver One Water Plan



# Audience Q&A



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