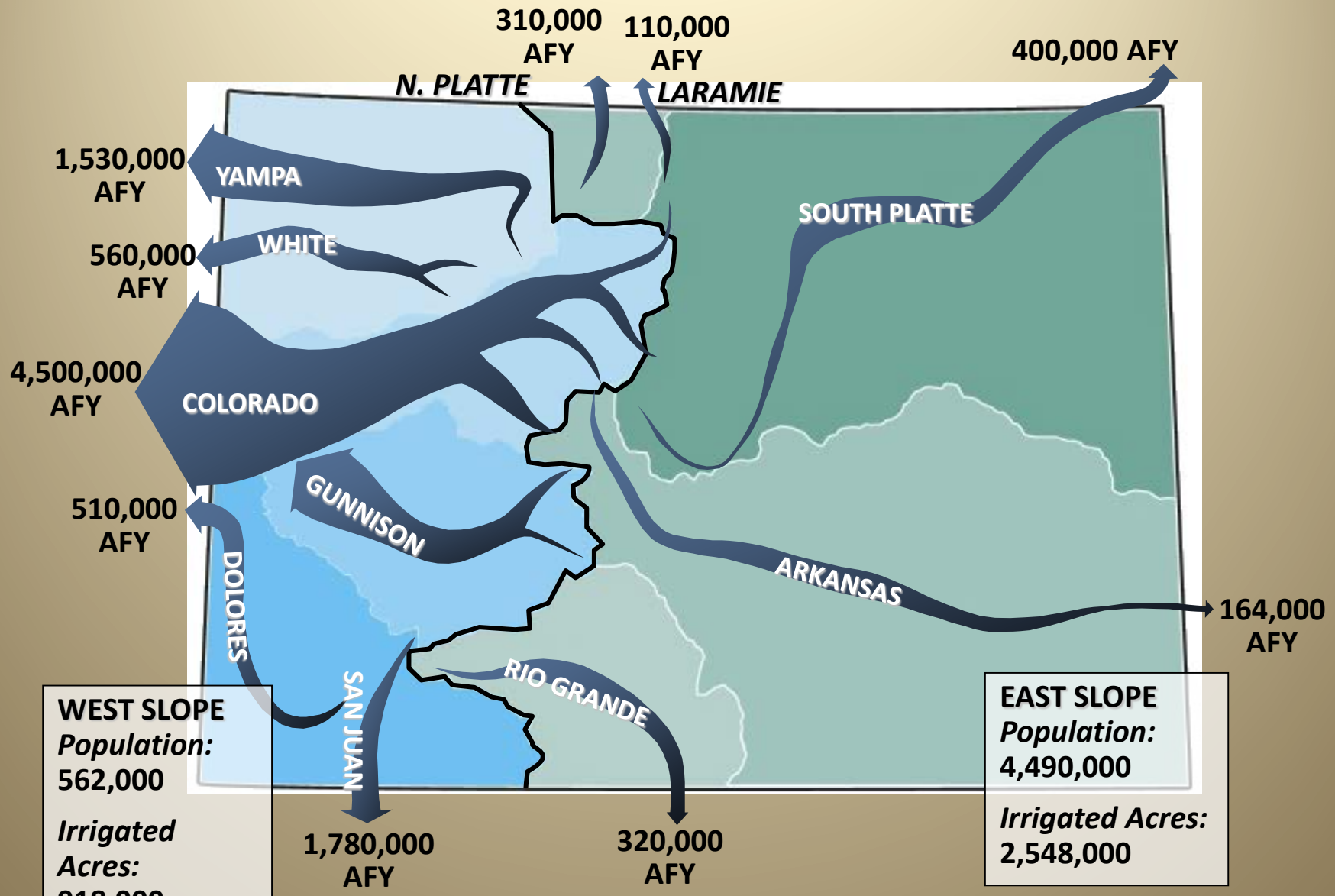
Northern Colorado Legislative Alliance Regional Issues Summit

John Stulp

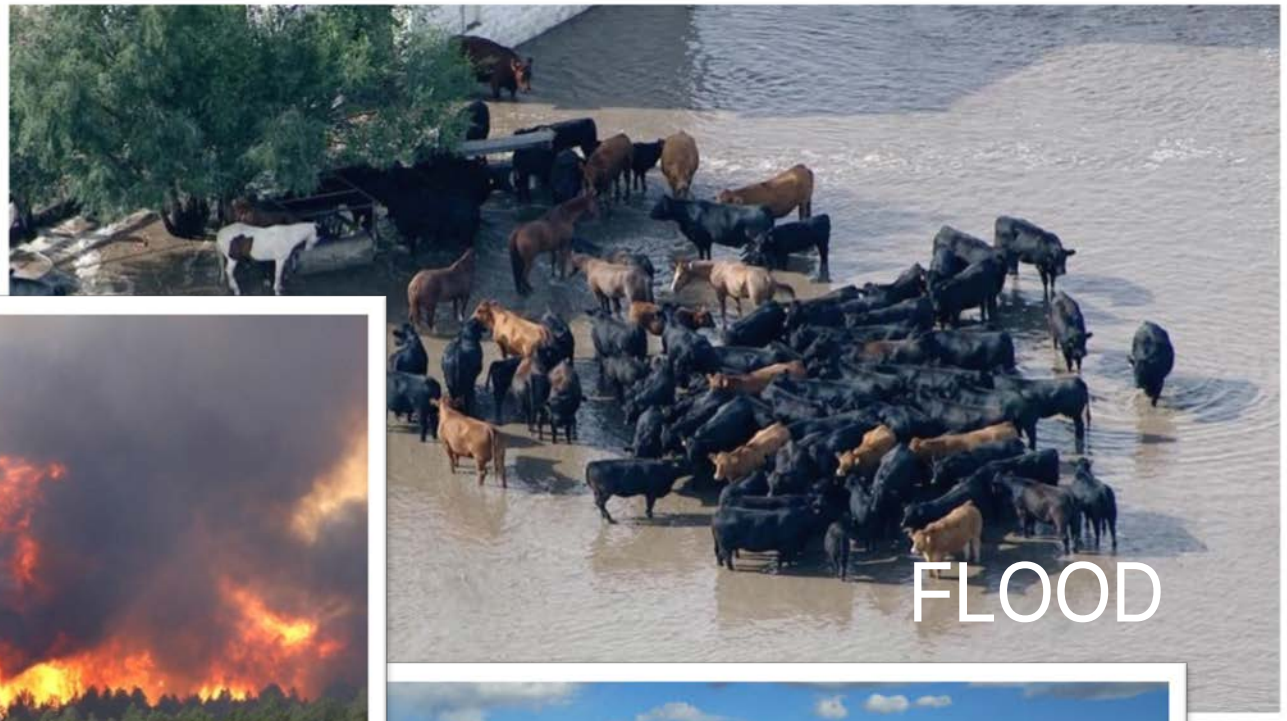
Special Policy Advisor to Governor for Water

Chairman Interbasin Compact Committee

Colorado Population, Irrigated Acres and River Flows



A Land of Extremes



HB05-1177 Water for the 21st Century Act created nine Basin Roundtables

- The BRTs provide forums for locally driven, collaborative solutions
- Broad range of stakeholders—municipal providers, counties, industry and interest groups have a seat at each table

Colorado's Water Plan: The path to a secure water future.

- Vibrant & sustainable cities
- Healthy watersheds & environment
- Robust recreation & tourism
- Viable & productive agriculture

COLORADO'S WATER PLAN

Common Themes

- Agriculture – preservation, increase acres
- Environmental and Recreational Needs
- Municipal and Industrial Needs
- Watershed Health / Restoration and Protection
- Increase Storage and Multiple Benefit Projects
- Interstate Compact Compliance
- Education, Outreach, Communication Needs
- Water Quality

Supply-Demand Gap

Colorado's Water Plan sets a measurable objective of reducing the projected 2050 municipal and industrial gap from as much as 560,000 acre-feet to zero acre-feet by 2030.

INTEGRATING WATER-SAVING ACTIONS AND LAND USE PLANNING.

Conservation

Colorado's Water Plan sets a measurable objective to achieve 400,000 acre-feet of municipal and industrial water conservation by 2050.

Land use

Colorado's Water Plan sets a measurable objective that by 2025, 75 percent of Coloradans will live in communities that have incorporated water-saving actions into land-use planning.

Agriculture

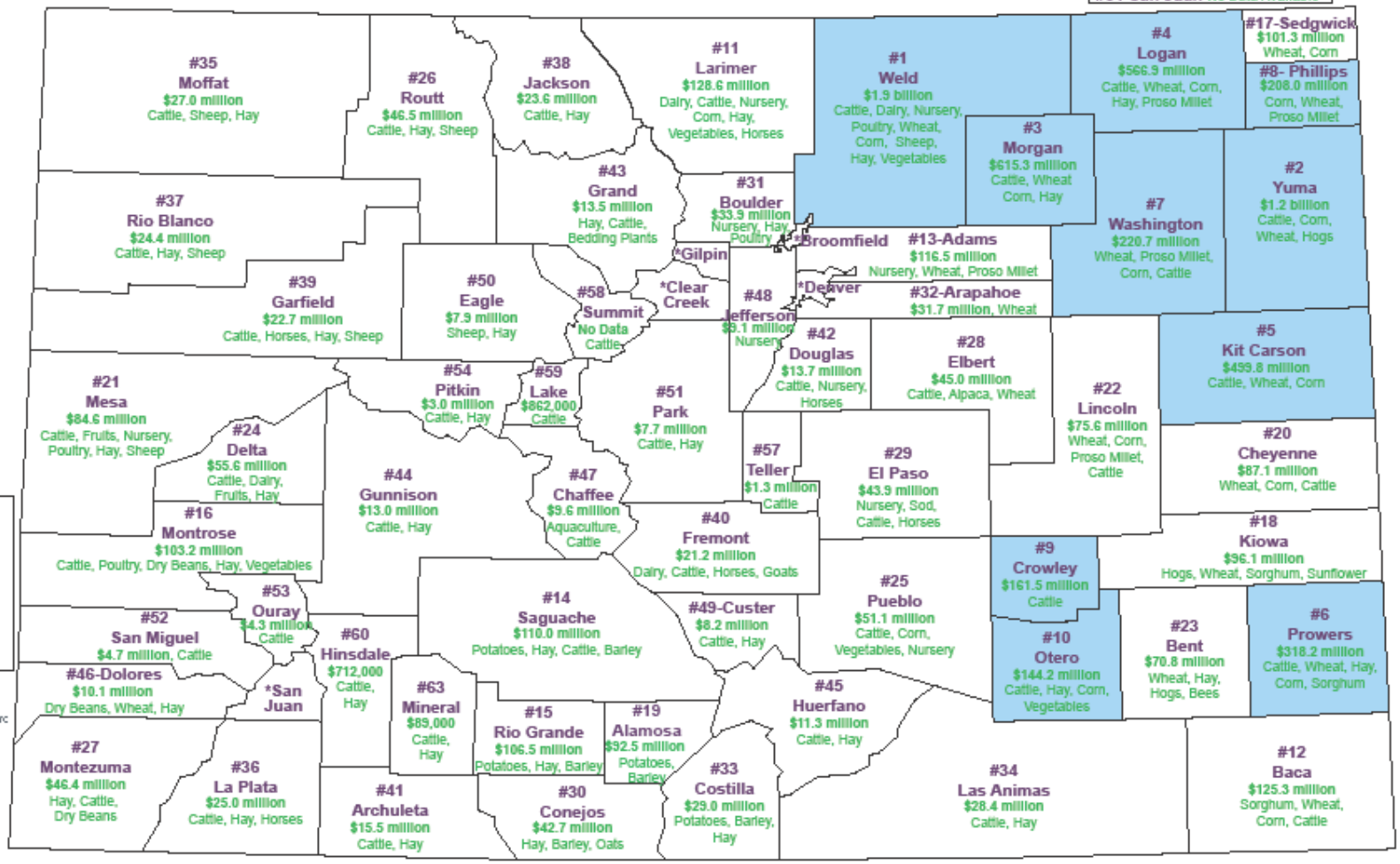
Colorado's Water Plan sets an objective that agricultural economic productivity will keep pace with growing state, national, and global needs, even if some acres go out of production.

Colorado Agriculture
Value of Agricultural Products Sold by County
Data from 2012 Census of Agriculture, USDA

Data for * Counties
#55-Denver No Data Available
#56-Broomfield $1.5 million
#61-Clear Creek $343,000
#62-Gilpin $165,000
#64-San Juan No Data Available

Colorado Ag Facts

- Value of all agricultural products sold in 2012 totaled $7.8 billion, a 28% increase from 2007.
- Agribusiness contributes $40 billion to the state economy each year and employs more than 170,000 people.
- There are more than 36,000 farms in the state encompassing nearly 32 million acres.
- Colorado's average farm size is 881 acres.



LEGEND

County Rank and Name
Total Value of Agricultural Products Sold
Top agricultural products

Shaded areas are top ten agricultural counties in Colorado.

COLORADO
Department of Agriculture

305 Interlocken Parkway
Broomfield, CO 80021
Phone (303) 869-9000
markets@state.co.us
www.coloradoagriculture.com

Colorado's Water Plan

Measureable Objectives

Agriculture

- Keep pace with growing state, national, and global needs
- Encourage innovation, creativity, and research
- Voluntarily share 50,000 acre feet by 2030 through alternative transfer methods (ATM)
  - Ditch and Reservoir Canal Alliance
  - Colorado Ag Water Alliance – IBCC / CAWA
  - CU Getches–Wilkinson Center
  - Upper Colorado River / System Conservation
  - Colorado Water Institute
  - Colorado Water Trust

Alternatives to Buy and Dry

- Rotational Fallowing
- Interruptible Supply
- Deficit Irrigation
- Water Cooperative
- Water Bank
- Water Conservation Easement
- HB 13-1248 / SB 198
- More agility in temporary water market

Municipals Participating in ATMs

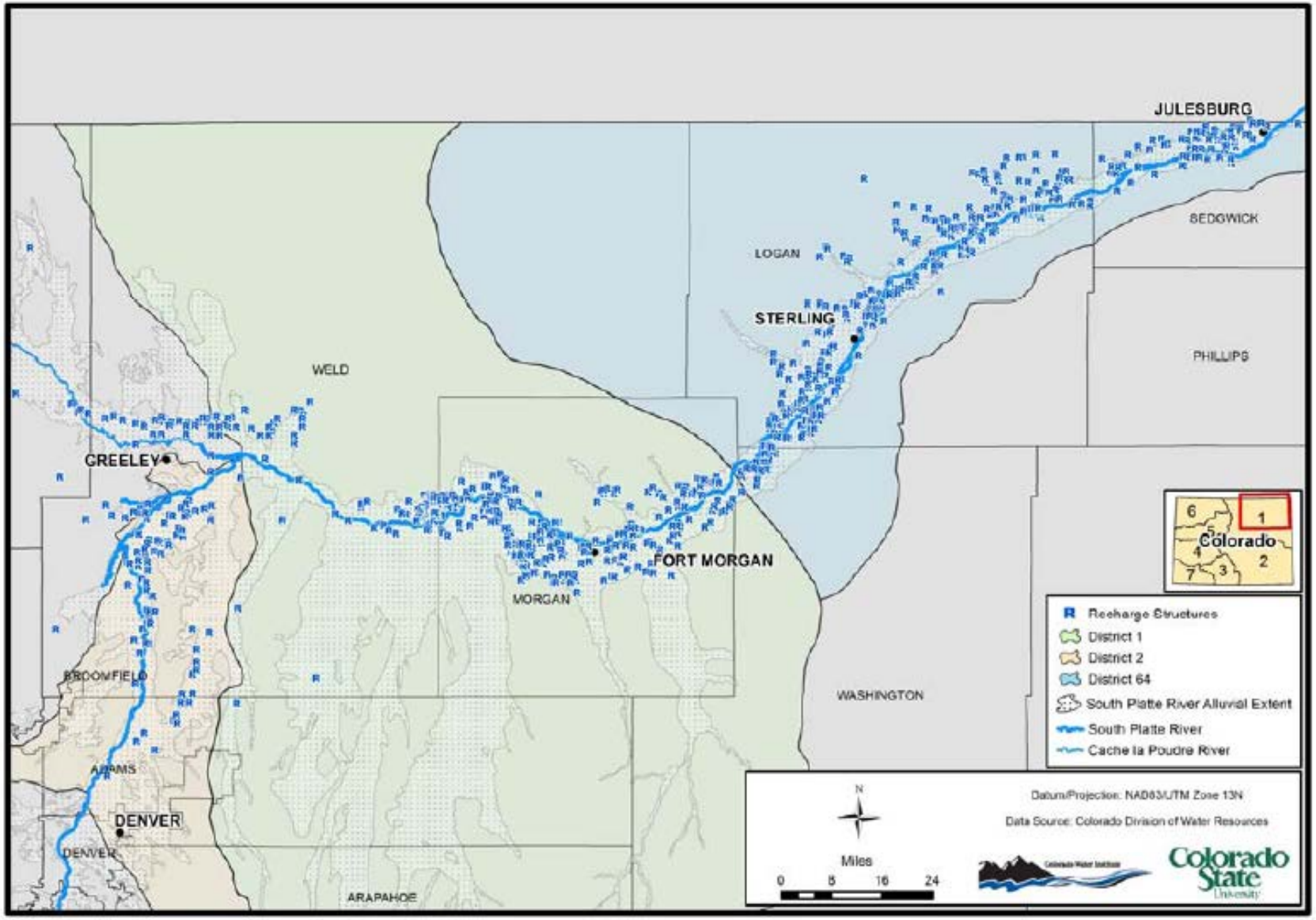
- Aurora – Highline Canal
- Fowler / Fountain / Security - Catlin Canal
- Fort Morgan Irrigation Ditch Company / North Sterling Reservoir – Pawnee Power Plant
- Venetucci Farm - Fountain

PLANNING FOR STORAGE

AS WE CONSERVE.

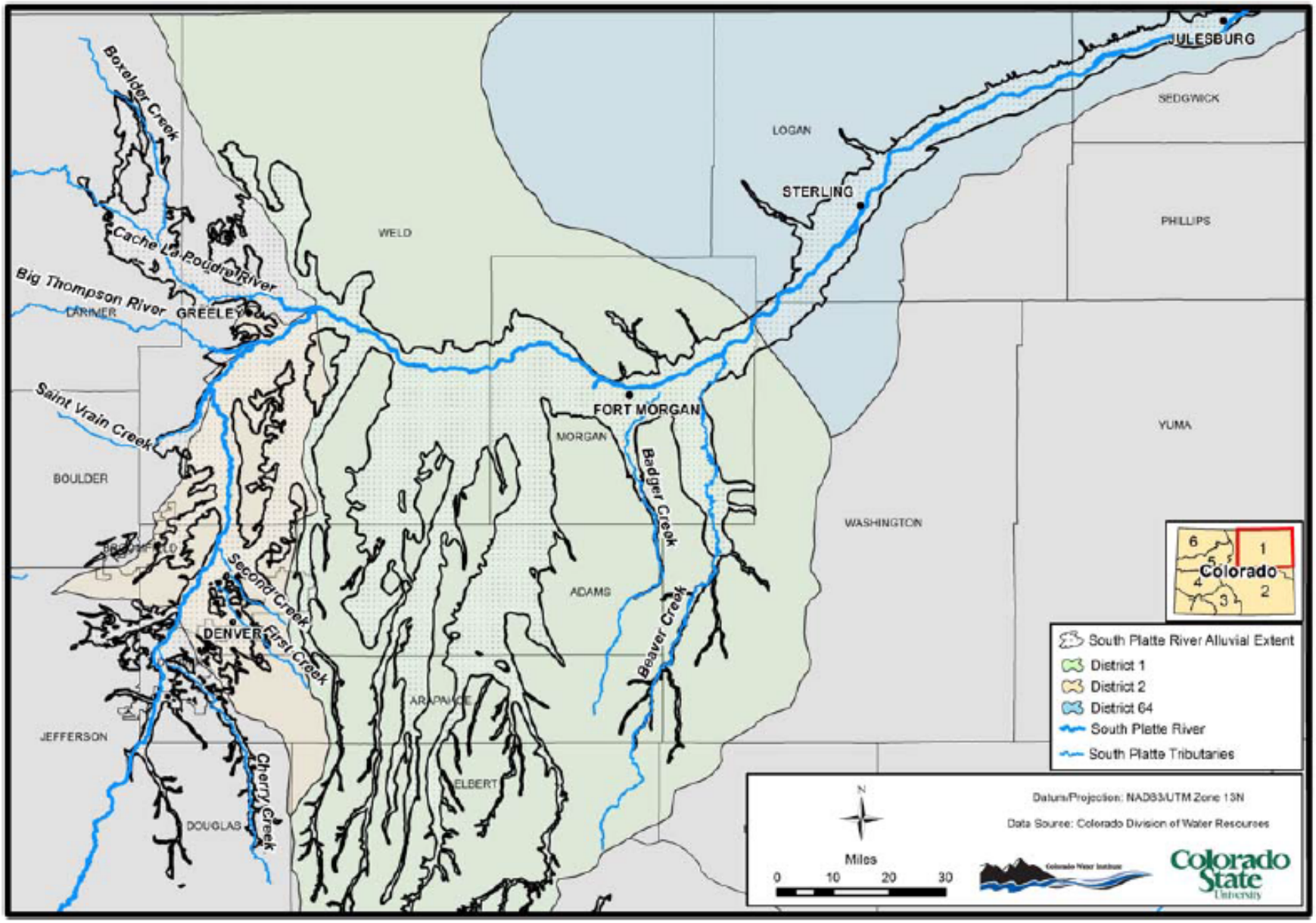
Storage

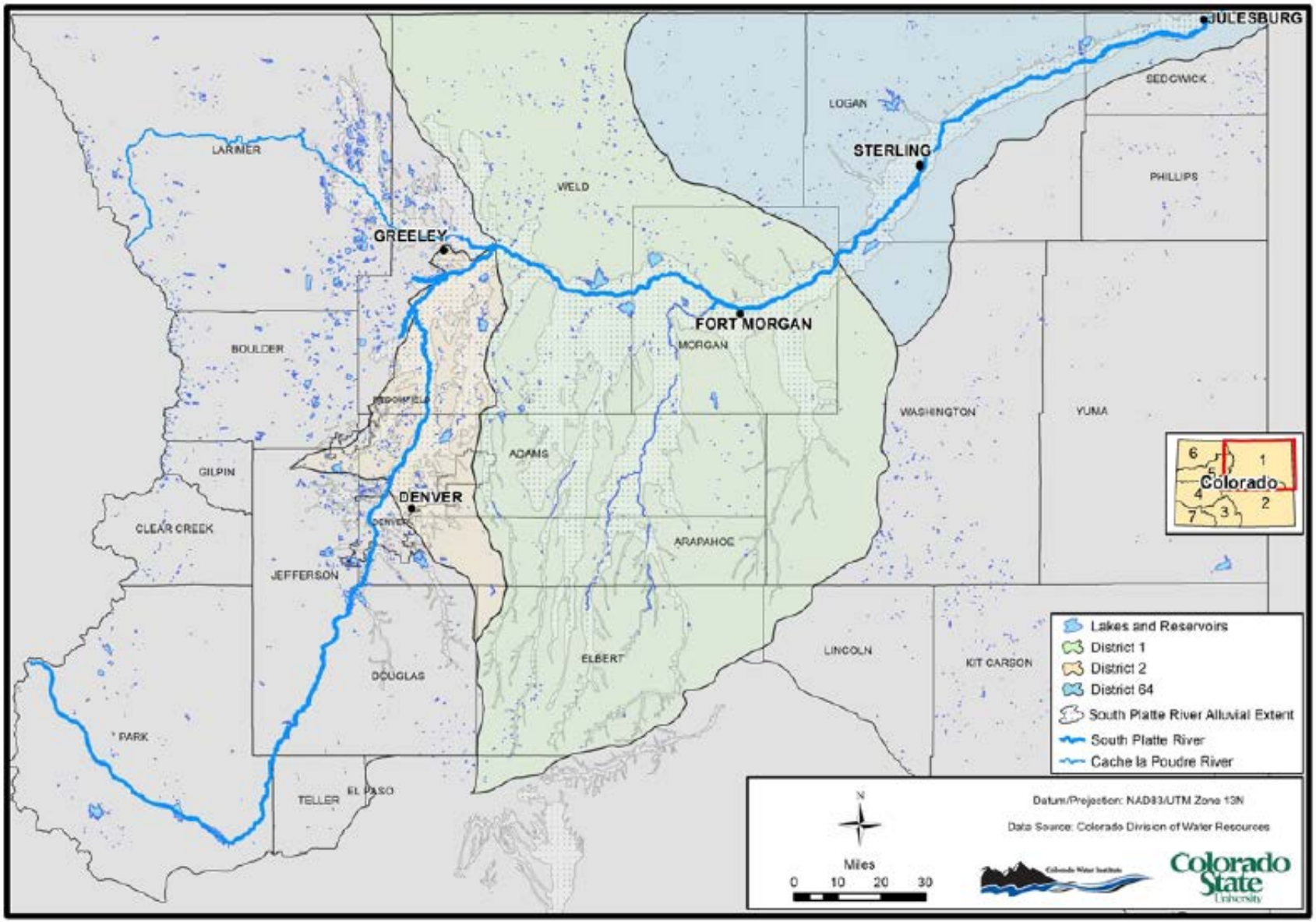
Colorado's Water Plan sets a measurable objective of attaining 400,000 acre-feet of water storage in order to manage and share conserved water and the yield of IPPs by 2050. This objective equates to an 80 percent success rate for these planned projects.



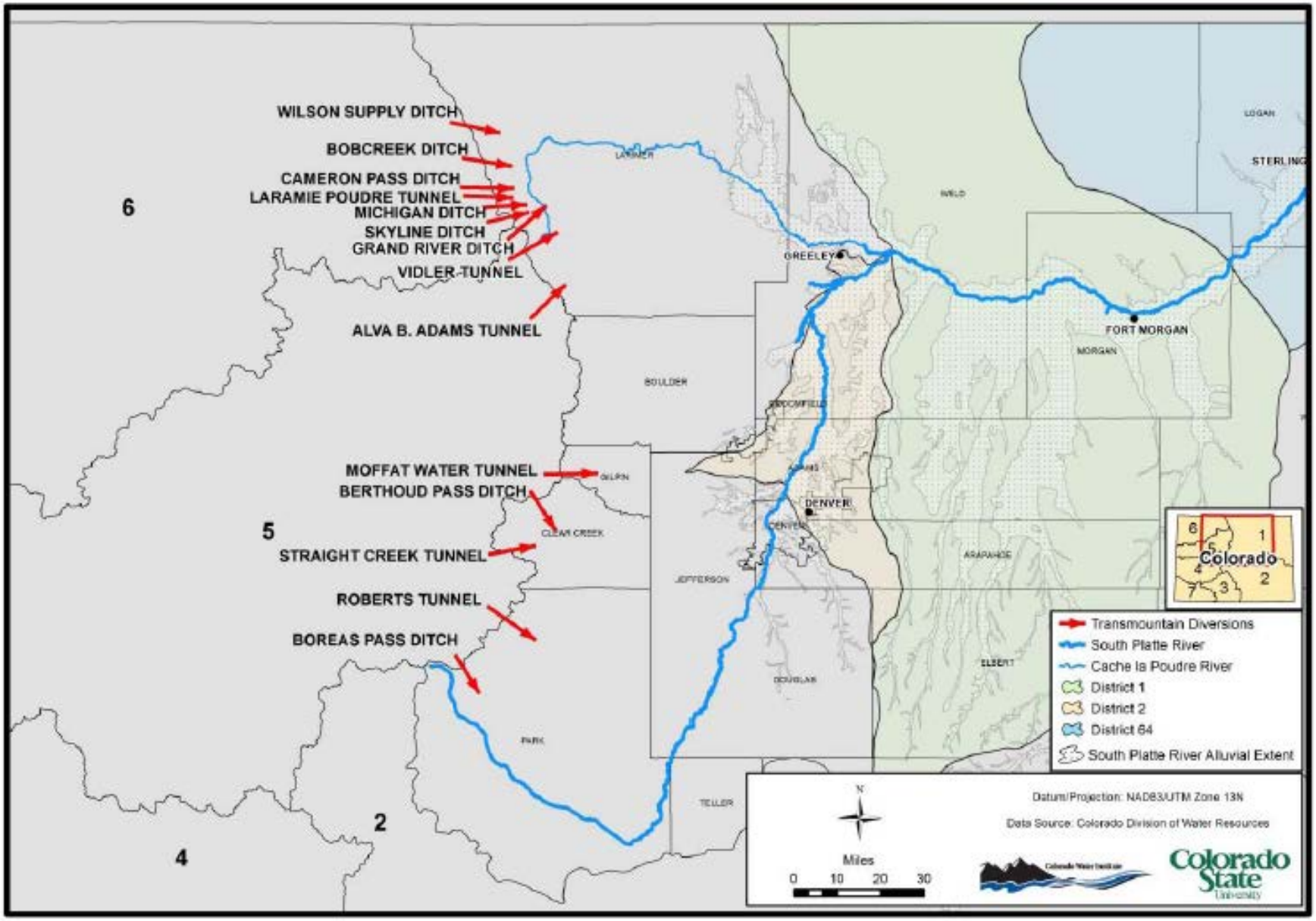
Location of Existing Recharge Structures in the S. Platte Basin.

South Platte River Alluvium





Map 21. Location of Division 1 Lakes and Reservoirs.



Map 22. Transbasin Diversions to the S. Platte Basin.

Northern Colorado Water Projects

Colorado Big Thompson – Northern Colorado Water

Windy Gap Firming – Chimney Hollow Reservoir

Northern Integrated Supply Project - NISP

Moffat Firming – Gross Reservoir

Seaman's Reservoir – Greeley

Halligan Reservoir – Fort Collins

Thornton Pipeline

Fort Morgan Pipeline

Watershed Health, Environment, and Recreation

Colorado's Water Plan sets a measurable objective to cover 80 percent of the locally prioritized lists of rivers with stream management plans, and 80 percent of critical watersheds with watershed protection plans, all by 2030.

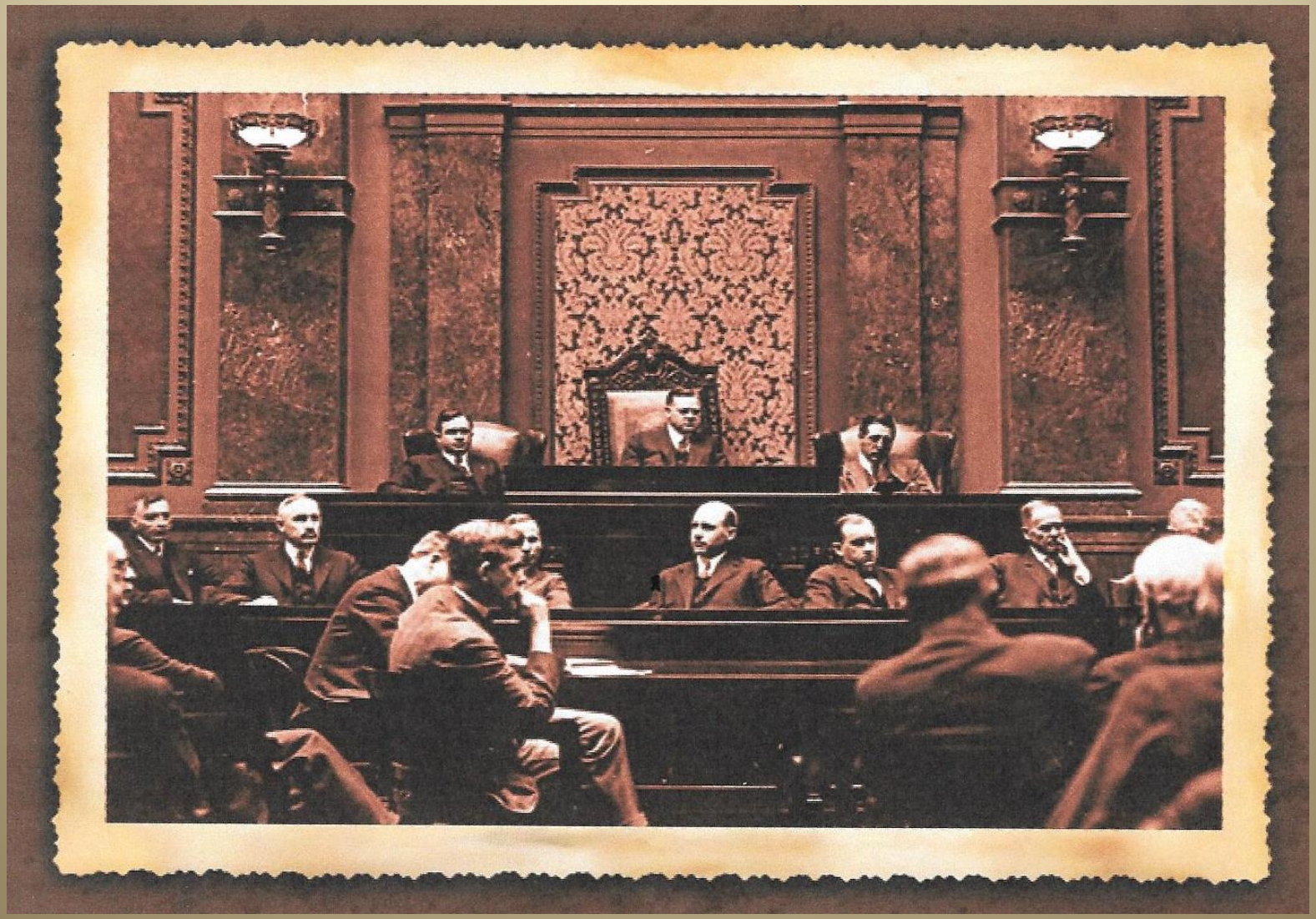
Education, Outreach, and Innovation

Colorado's Water Plan sets a measurable objective to significantly improve the level of public awareness and engagement regarding water issues statewide by 2020, as determined by water awareness surveys. Colorado's Water Plan also sets a measurable objective to engage Coloradans statewide on at least five key water challenges (identified by CWCB) that should be addressed by 2030.

Funding

Colorado's Water Plan sets an objective to sustainably fund its implementation. In order to support this objective, the State will investigate options to raise additional revenue in the amount of $100 million annually ($3 billion by 2050) starting in 2020.

Historical Water Planning



WE NEED YOUR HELP TO IMPLEMENT THE PLAN.

IMPLEMENTATION STARTS WITH YOU.

www.coloradowaterplan.com

COLORADO'S WATER PLAN

COLORADO
Colorado Water Conservation Board
Department of Natural Resources

Colorado's Water Plan:

Working Together by

Cooperating and Collaborating

Thank you