

Tom Cech, Director &
Nona Shipman, Outreach and Recruitment Manager

One World One Water (OWOW) Center
For Urban Water Education and Stewardship
Metropolitan State University of Denver
Denver, Colorado

tcech@msudenver.edu
nshipman@msudenver.edu



One World One Water (OWOW) Center for Urban Water Education and Stewardship



One World
Wednesday, May 2, 2012
One Water

Dedication of the monumental bronze sculpture
One World, One Water
an artistic expression of the human connection to water
created by noted artist Rik Sargent—a recent private
donation to Metro State

Reception from 4-5:30 p.m.
Program and dedication at 4:30 p.m.

Main entrance • Student Success Building
890 Auraria Parkway, Auraria Campus

RSVP to www.mscd.edu/event/dedication
to dillingb@mscd.edu or call 303-556-2999



METROPOLITAN STATE
COLLEGE of DENVER
We Educate Colorado



Three goals:

- * Establish a Water Studies minor & certificate for all students and departments at MSU Denver;
- * Develop “Water Stewards” on and beyond the Auraria Campus; and
- * Provide experiential opportunities for students

MSU Denver

Water Studies Minor/Certificate

Water Essentials

Introduction to Colorado Water Law and Administration

Water Conflict Resolution

Electives

Internship/Capstone Project

18 credit hours

Developing Water Stewards



Engineering Technology
Dr. Mingli He

Biology
Dr. Rebecca Ferrell

Marketing
Dr. Nicole Vowles

Environmental Science
Dr. Jason Janke

Psychology
Dr. Chad Mortensen

Theatre
Dr. Marilyn Hetzel

History
Dr. Matthew Makley

Industrial Design
David Klein and Ted Shin



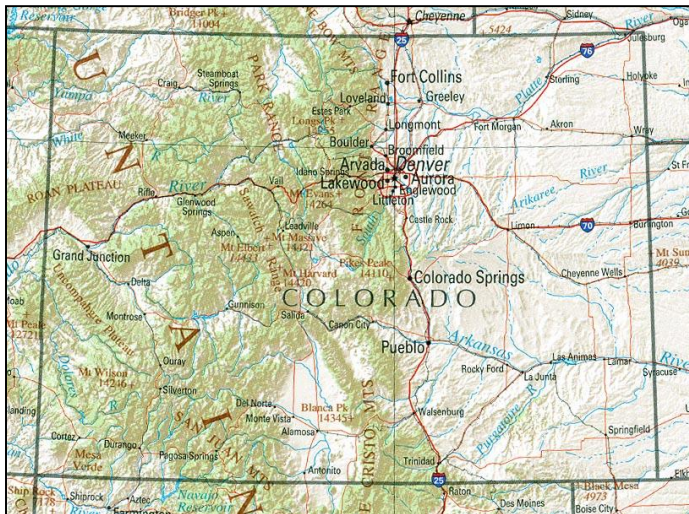
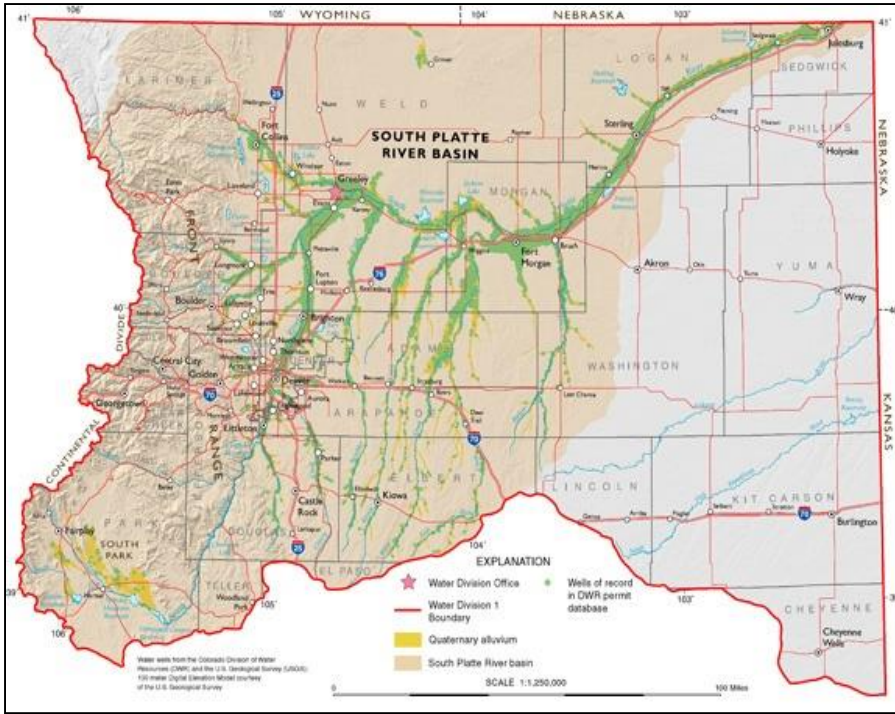
First-ever Colorado River float/irrigation/endangered species weekend
MSU Denver, Colorado Mesa, CU-Boulder and Colorado State Universities

MSU Denver Theatre Department
Denver Water Performance



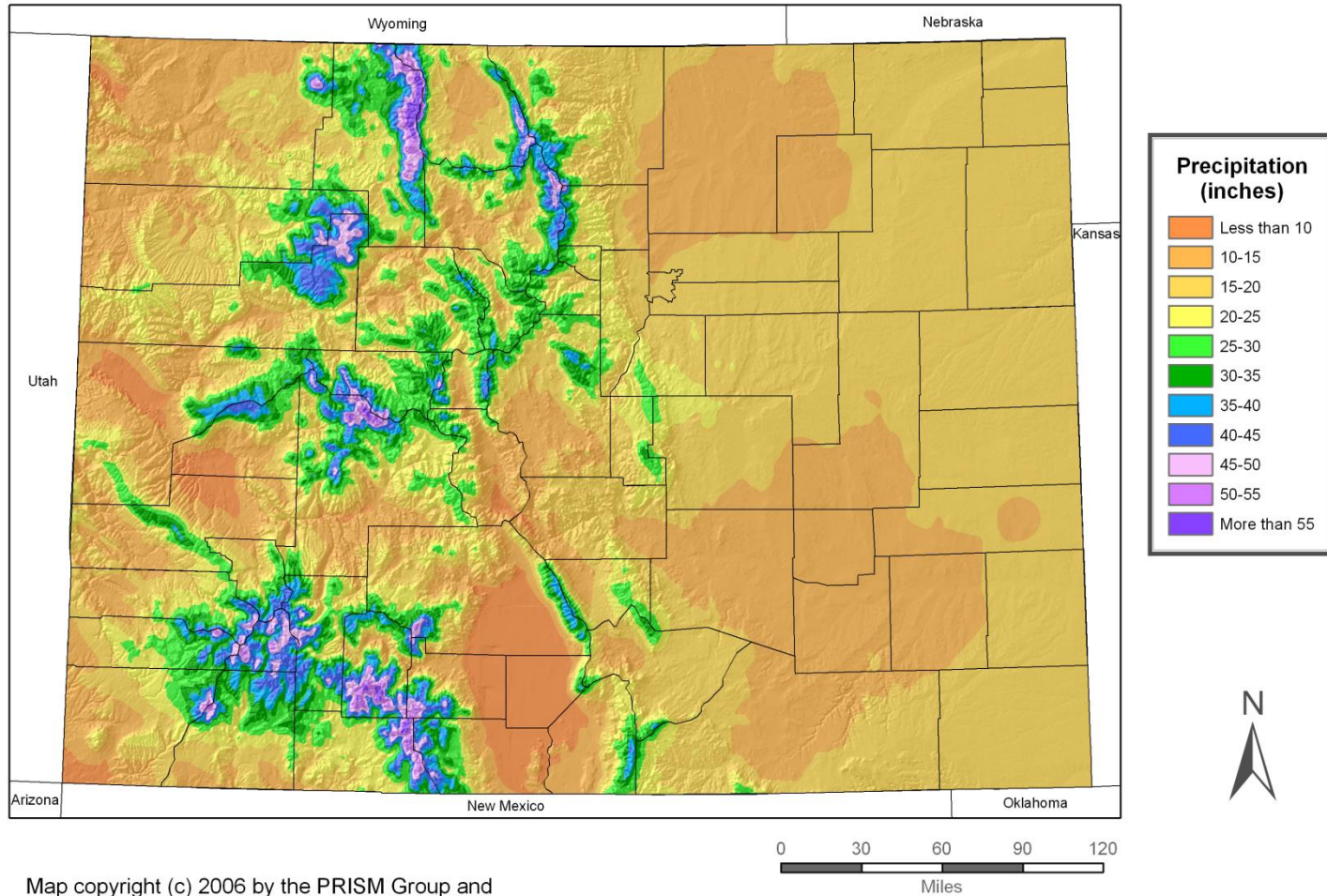
South Platte River Basin Facts

Colorado Population – 5.4 million
 2030 projection – 7.1 million
 Denver Metro Population – 2.4 million
 (30% growth since 1990)
 Denver projected
 2030 projection – 3.9 million



Water shortfall by 2030 in the South Platte Basin
 410,000 acre-feet (134 billion gallons)
 Acres of irrigated land expected to be dried up by
 2030 in the South Platte Basin –
 133,000 – 226,000 acres

Average Annual Precipitation, 1971-2000 Colorado



Map copyright (c) 2006 by the PRISM Group and Oregon Climate Service, Oregon State University.

Colorado Gold Mining



1859 – Gold Rush in Colorado

1876 – Colorado becomes a state, and a strict Doctrine of Prior Appropriation is adopted, an Innovative idea for its time.



Colorado Water Development History



Hundreds of irrigation ditches (canals) were constructed between 1860-1890 along the South Platte River and across Colorado.

Under the Doctrine of Prior Appropriation, irrigation ditches received a river diversion priority date, such as May 2, 1863 for 75 cubic feet/second. Wells received no priority date.



Who Controls the Water?



Bonanza – “Bitter Water”

Historic Options Used for New Water Supplies for the Front Range of Colorado

West Slope Diversions



New Reservoir Construction



Buy & Dry



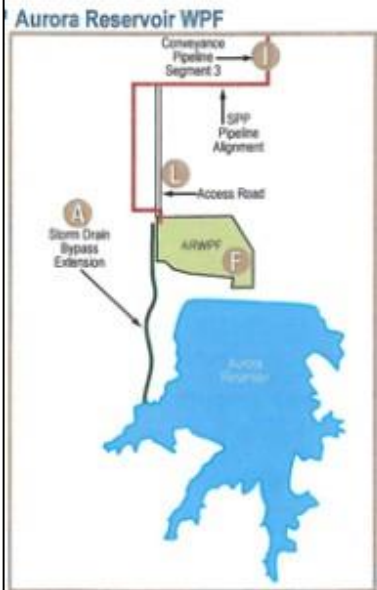
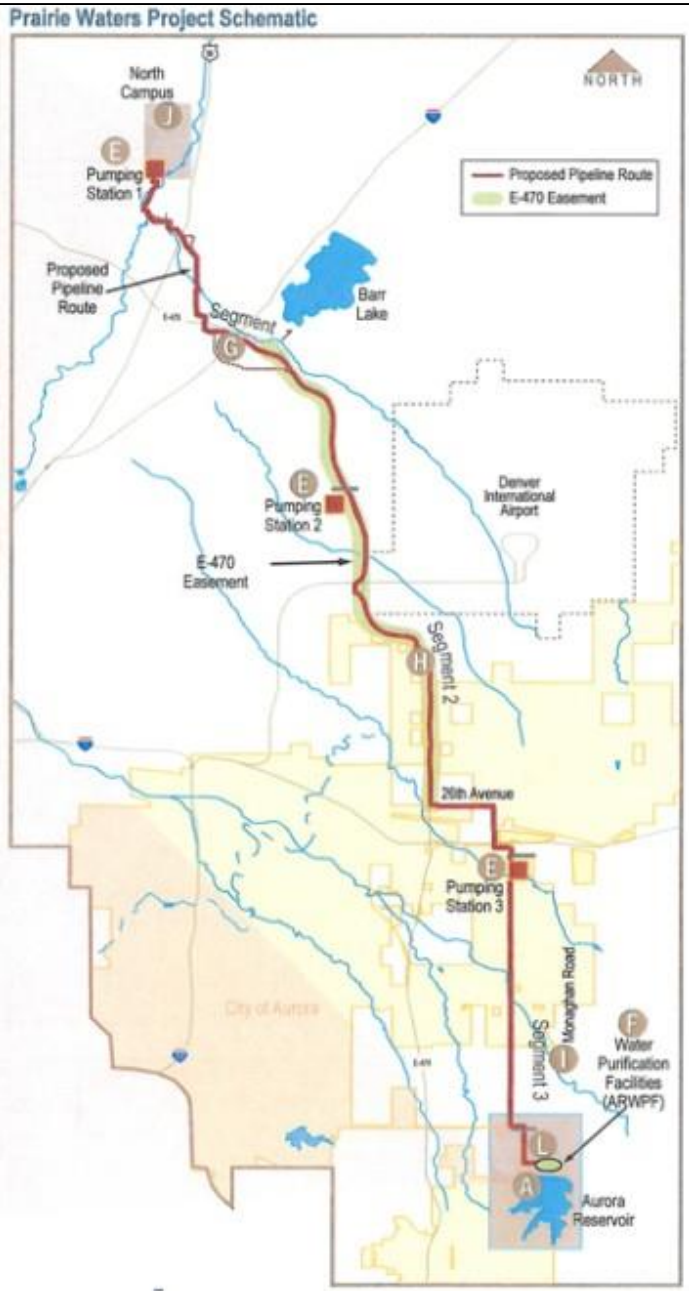
Improved Water Conservation

Future Challenges

1. Population Growth



Denver, Colorado



2. Providing adequate water supplies



Aurora's "Prairie Waters" Project along E-470

Future Challenges

3. Protecting the Environment



Colorado State Capitol Murals

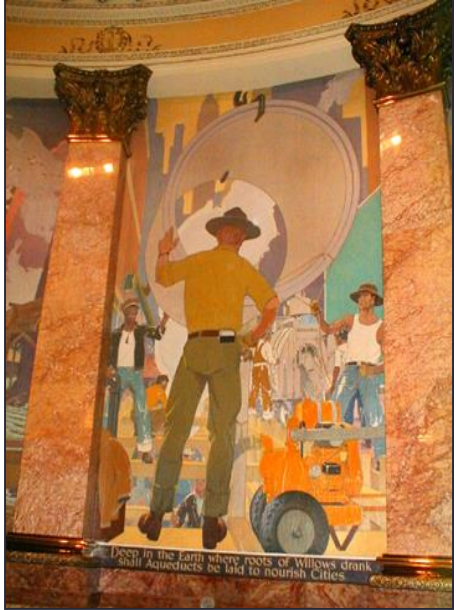


Here is a land where life is written in Water
The West is where the Water was and is
Father and Son of old Mother and Daughter
Following Rivers up immensities
Of Range and Desert thirsting the Sundown ever
Crossing a hill to climb a hill still Drier
Naming tonight a City by some River
a different Name from last nights camping Fire

Look to the Green within the Mountain cup
look to the Prairie parched for Water lack
look to the Sun that pulls the Oceans up
look to the Cloud that gives the oceans back
look to your heart and may your Wisdom grow
to power of Lightning and to peace of Snow

Thomas Hornsby Ferril

“Here is a land where life is written in Water.”





MSU Denver Student Club: Water Association of Student Stewards
Urban Program

Water Studies Minor & Certificate

Information:

Tom Cech

tcech@msudenver.edu

Nona Shipman

nshipman@msudenver.edu

