

Coping with Drought: A Tale of Three “Cities”

Rocky
Mountain Land
Use Institute

3/7/13

WISE Partnership Service Areas

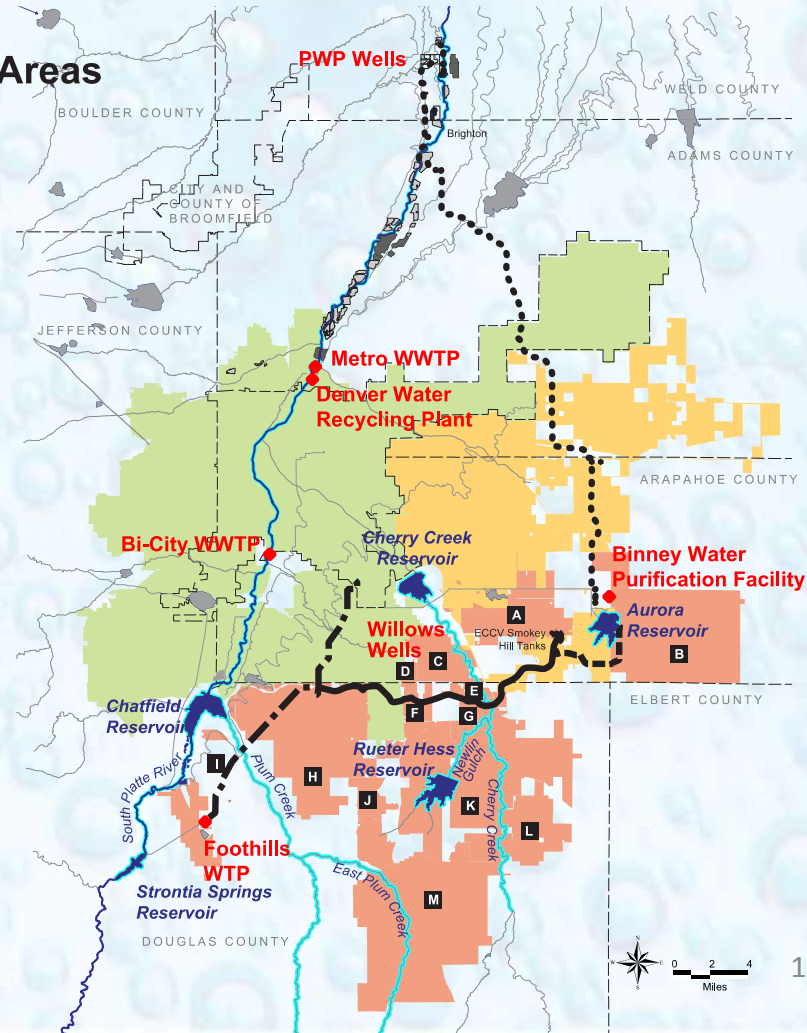
| Service Areas | |
|---|------------------------------------|
| | Denver Water Combined Service Area |
| | Aurora |
| | South Metro Entities |

Existing Infrastructure

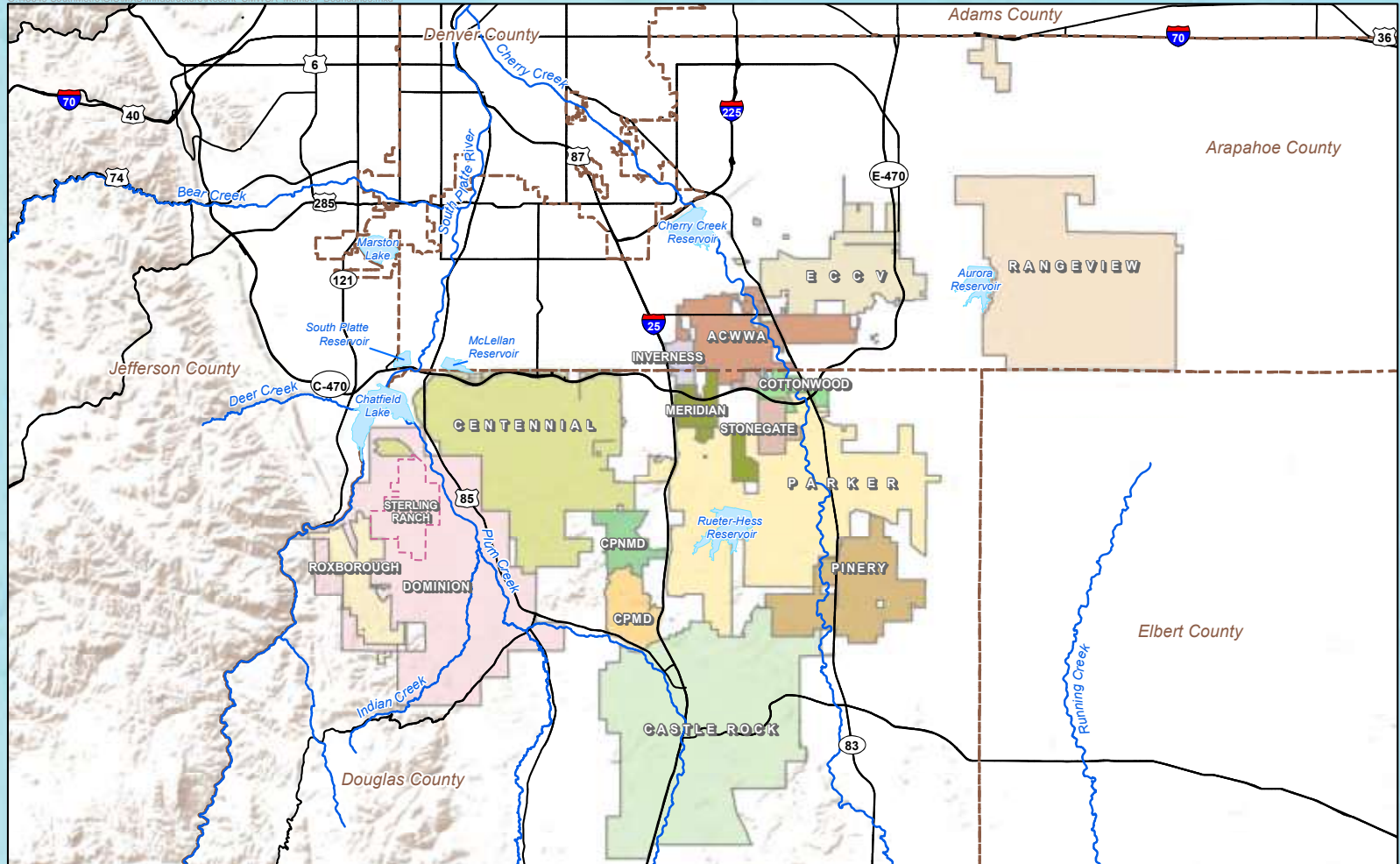
- Prairie Waters Project Pipeline
- State Land Board Pipeline
- ECCV Western Pipeline
- Conduit 27

South Metro Entities

- A** East Cherry Creek Valley W&SD
- B** Rangeview Metropolitan District
- C** Arapahoe County W&WA
- D** Inverness W&SD
- E** Cottonwood W&SD
- F** Meridian Metropolitan District
- G** Stonegate Village Metropolitan District
- H** Centennial W&SD
- I** Sterling Ranch (Dominion)
- J** Castle Pines North Metropolitan District
- K** Parker W&SD
- L** Pinery Water & Wastewater District
- M** Castle Rock



D:\45649-SouthMetro\GIS\MXD\Infrastructure\Report - SMWSA Member Boundaries.mxd



SMWSA Member Boundaries

CDM
Smith

SMWSA
SOUTH METRO WATER SUPPLY AUTHORITY

0 5 10
Miles

Legend

Highways

Streams/Rivers

Reservoir

South Metro Members

ACWWA

CPMD

CPNMD

Castle Rock

Centennial

Cottonwood

Dominion/Sterling Ranch

Dominion

ECCV

Inverness

Meridian

Parker

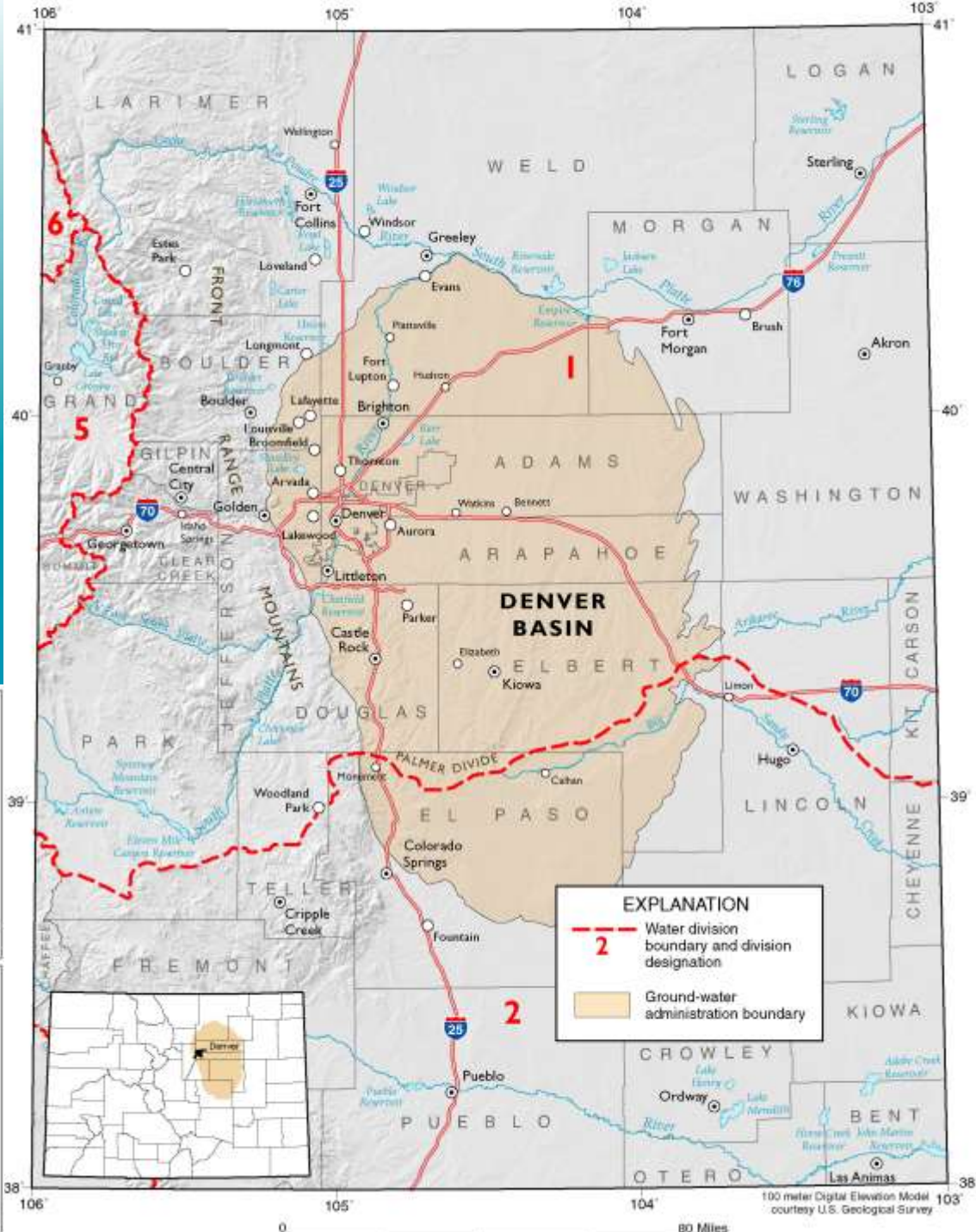
Pinery

Rangeview

10/11/2012

Roxborough

Stonegate

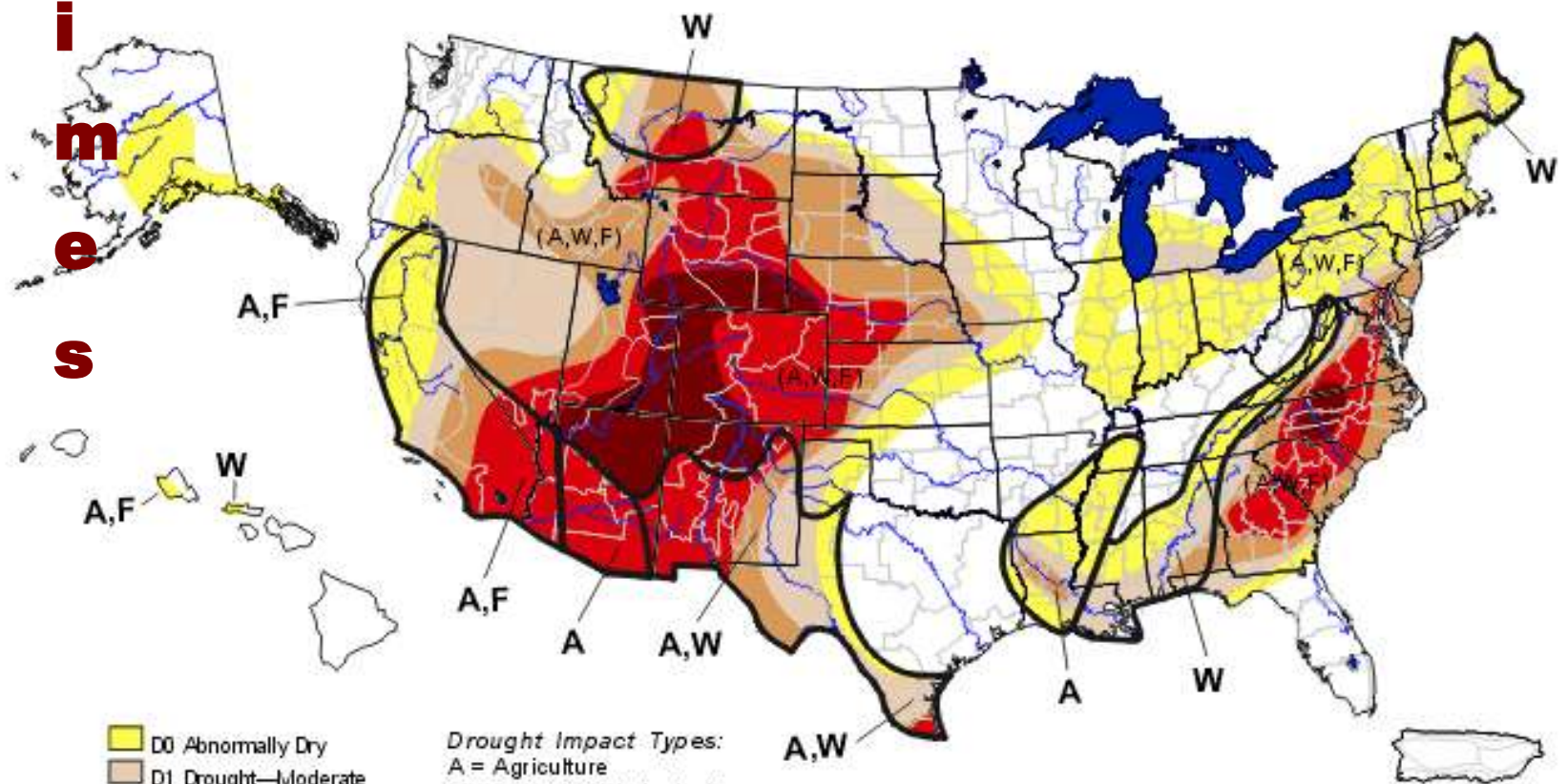


It was the best of times

I w t
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U.S. Drought Monitor

July 23, 2002
Valid 8 a.m. EDT



- D0 Abnormally Dry
- D1 Drought—Moderate
- D2 Drought—Severe
- D3 Drought—Extreme
- D4 Drought—Exceptional

Drought Impact Types:
A = Agriculture
W = Water (Hydrological)
F = Fire danger (Wildfires)
/ Delineates dominant impacts
(No type = All 3 impacts)

The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. See accompanying text summary for forecast statements.

<http://drought.unl.edu/dm>

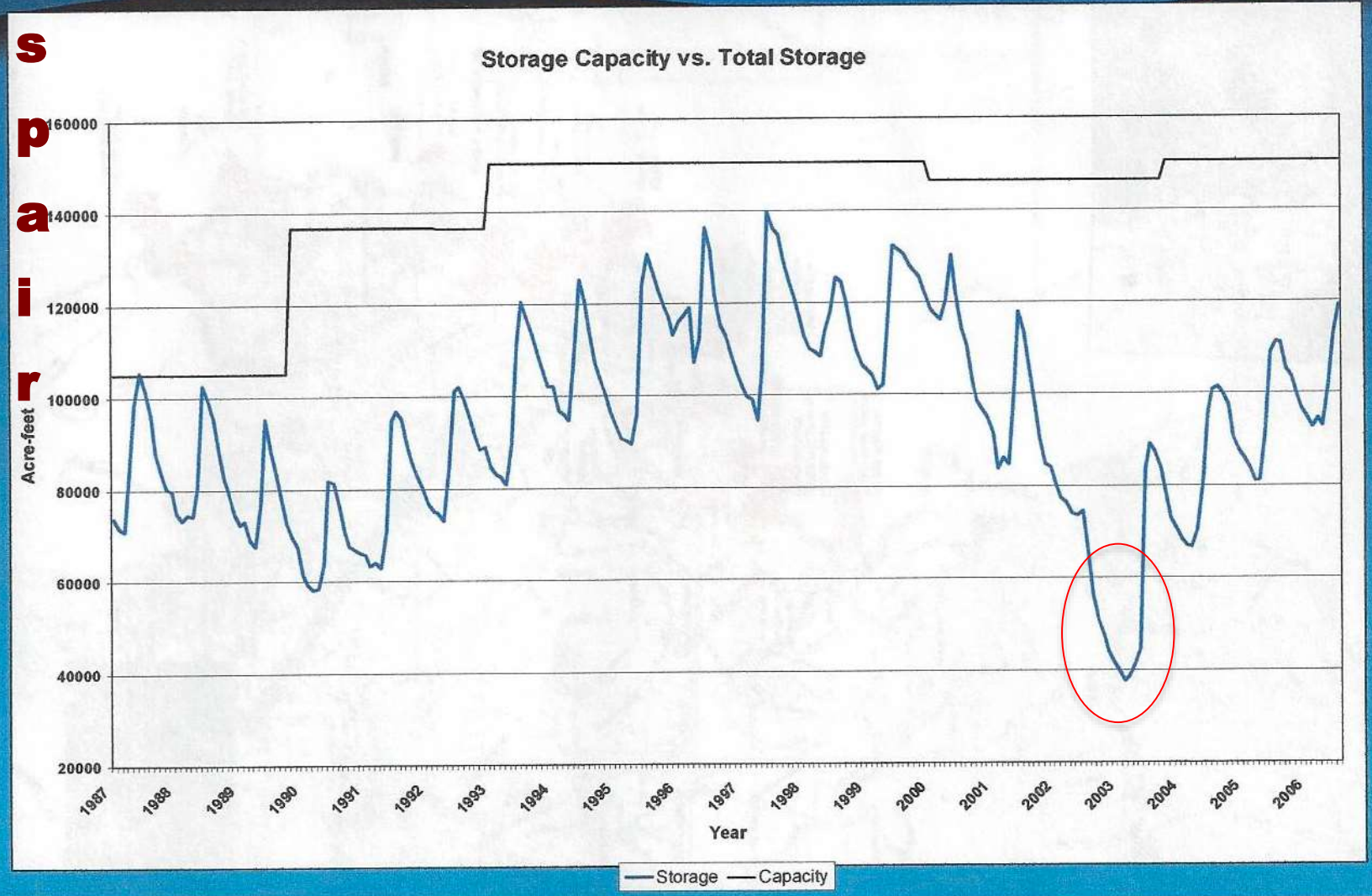


Released Thursday, July 25, 2002
Author: Brad Rippey, USDA

It was the spring of hope

I would
take
the
water
from
the

Aurora's raw water storage 1987 through 2006



Prairie Waters Project

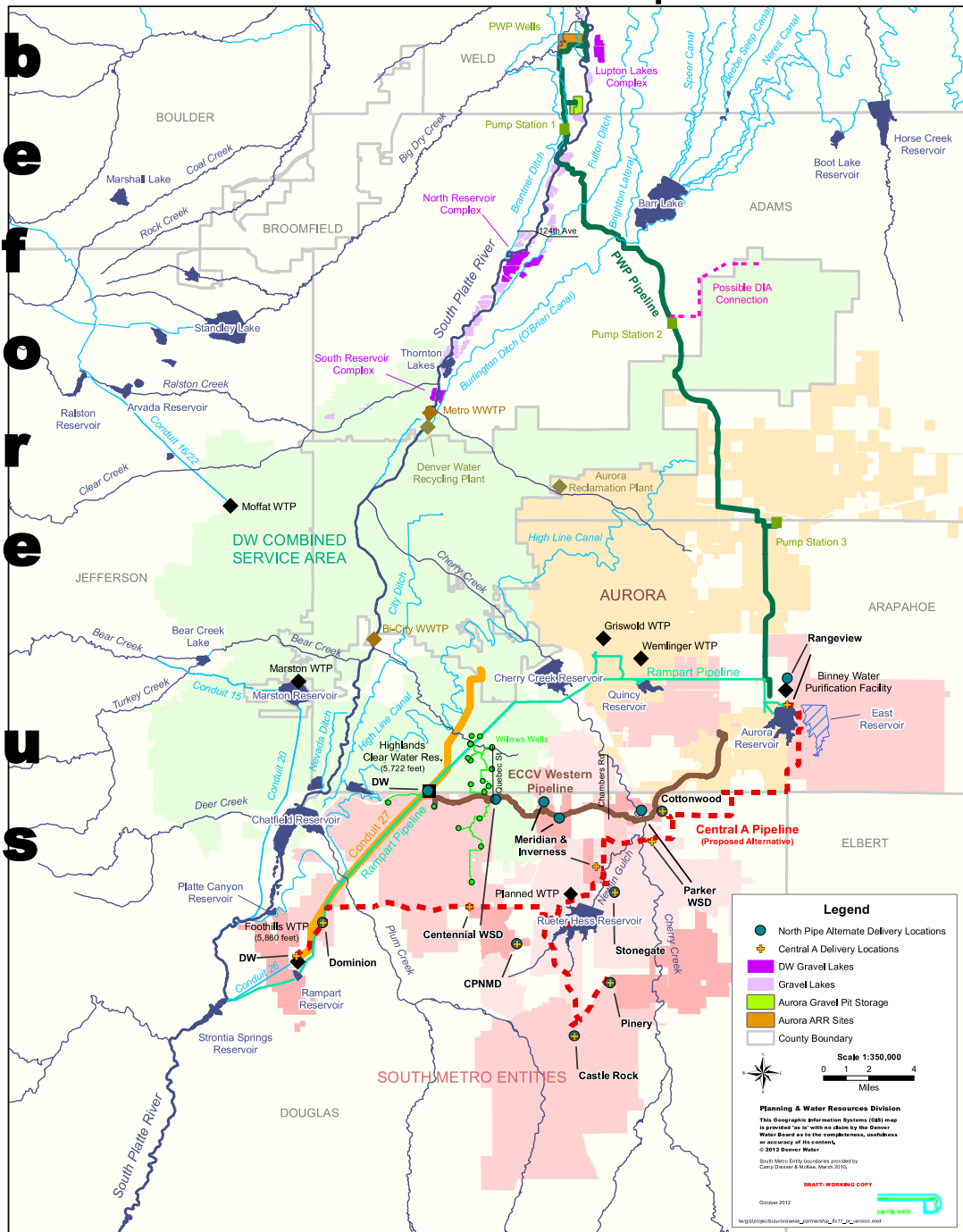
- Began delivering water in October 2010
- Current capacity of 10,000 AF/YR
- Expandable to 50,000 AF with additional infrastructure
- 34-mile pipeline with 3 pump stations
- Multi-barrier state of the art treatment process
- \$800 million in infrastructure



WISE Partnership

W e b
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W n b
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s



WISE: Water Supply Benefits

■ South Metro

- Renewable supply for South Metro
- Allows use of Denver Basin Aquifer for drought supply

■ Denver Water

- Drought and emergency supplies for Denver

■ Aurora Water

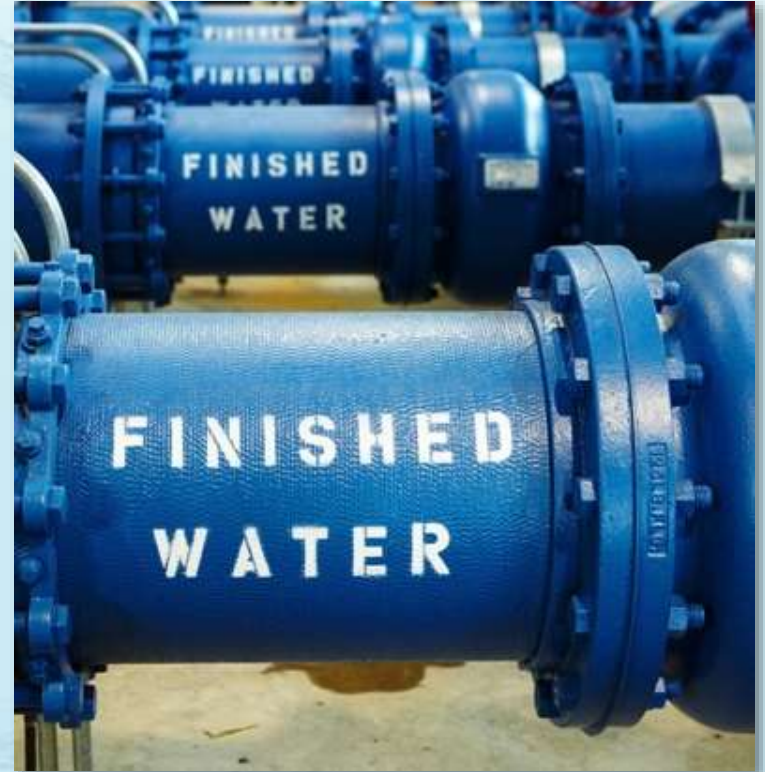
- Continued use of PWP for drought supply

– Offsets Total Population affected = 2 million



WISE Regional Benefits

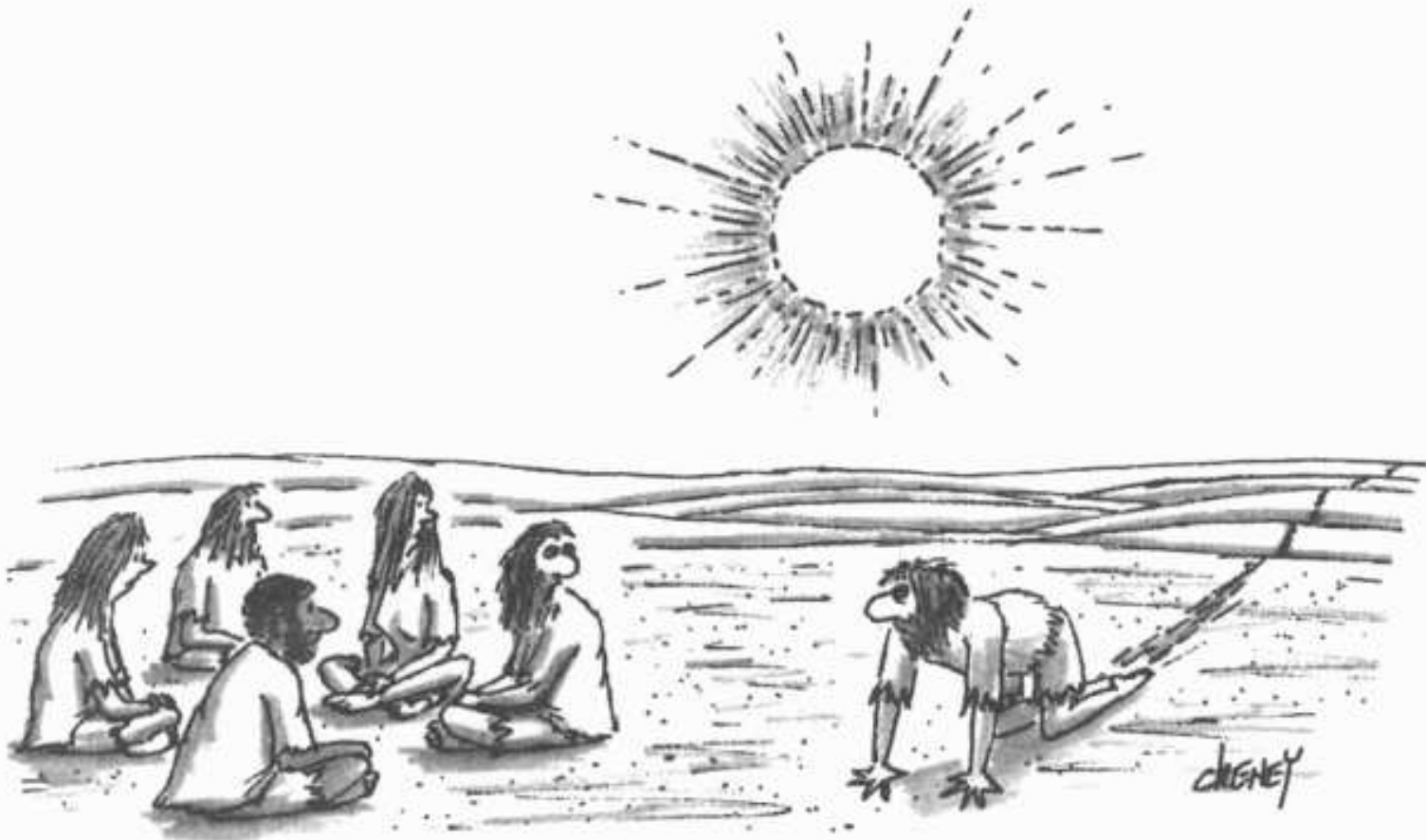
- Opens the door to regional cooperation
- Provides a sustainable supply to SMWSA without compromising Aurora's and Denver's water supplies
- Leverages extensive existing infrastructure and water rights
- Broadly supported and promotes solid working relationship with West Slope, environmental community, & State government



"This type of water-sharing agreement is a critical step toward bolstering water supplies in the southern metro area ..."

Governor John Hickenlooper
Denver Post — October 5, 2011

QUESTIONS?



"Sorry, no water. We're just a support group."