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POLICY & REGULATORY OVERVIEW OF WESTERN AQUIFERS

WATER STRESS BY MOST POPULOUS RIVER BASINS

This map shows the average exposure of water users in each river basin to water stress, the ratio of total withdrawals to total renewable supply in a given area. A higher percentage means more water users are competing for limited supplies.

Map Key: 1 Qom (Namak Lake - Iran), 2 Yongding He (China), 3 Brantas (Indonesia), 4 Harirud (Afghanistan), 5 Tuhai Hu (China), 6 Sabarmati River (India), 7 Helmand (Afghanistan), 8 Sirdaryo (Central Asia), 9 Rio Maipo (Chile), 10 Dead Sea (Jordan), 11 Solo (Bengawan Solo - Indonesia), 12 Indus (Central Asia), 13 Daliao He (China), 14 Colorado River (United States), 15 Palar River (India), 16 Bravo (Rio Grande - United States), 17 Liao He (China), 18 Huang He (Yellow River - China)

WATER STRESS LEVEL

Low Low to Medium Medium to High High Extremely High

ratio: withdrawal / available supply
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< 10% 10% - 20% 20% - 40% 40% - 80% > 80%

Colorado River

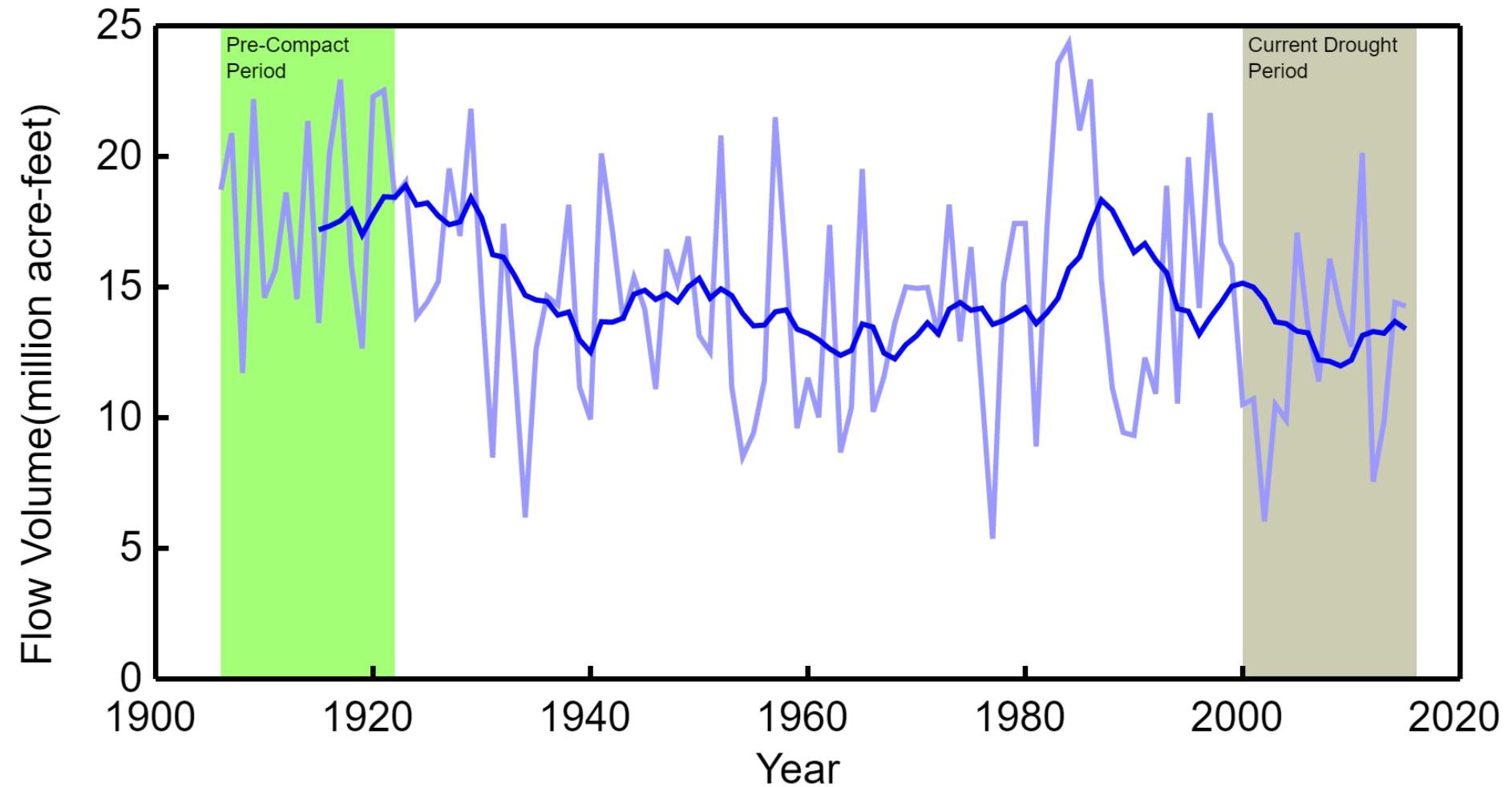
243,000 miles²
33 million people
5th largest economy



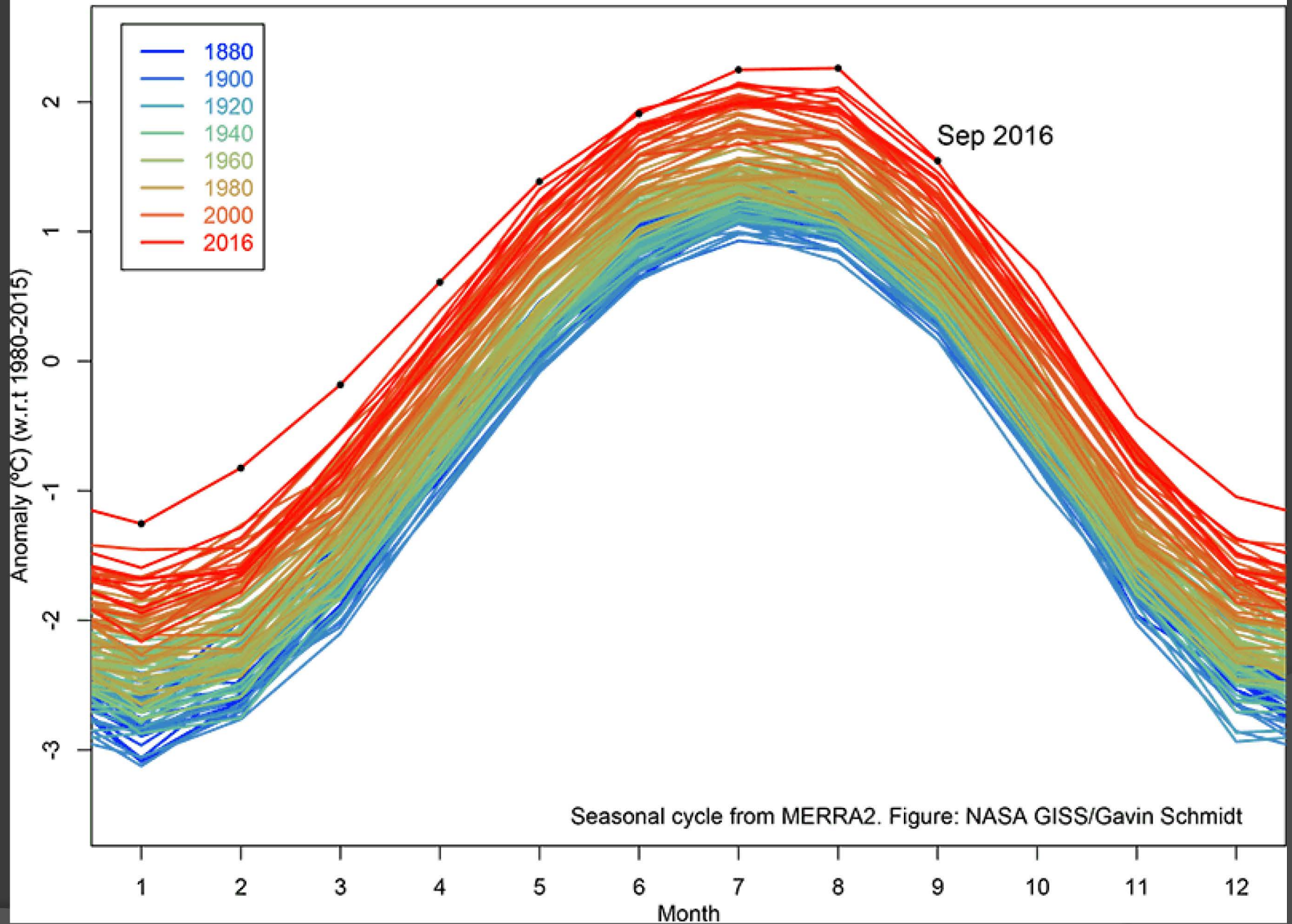
18

VS

12



GISTEMP Anomaly (including seasonal cycle)



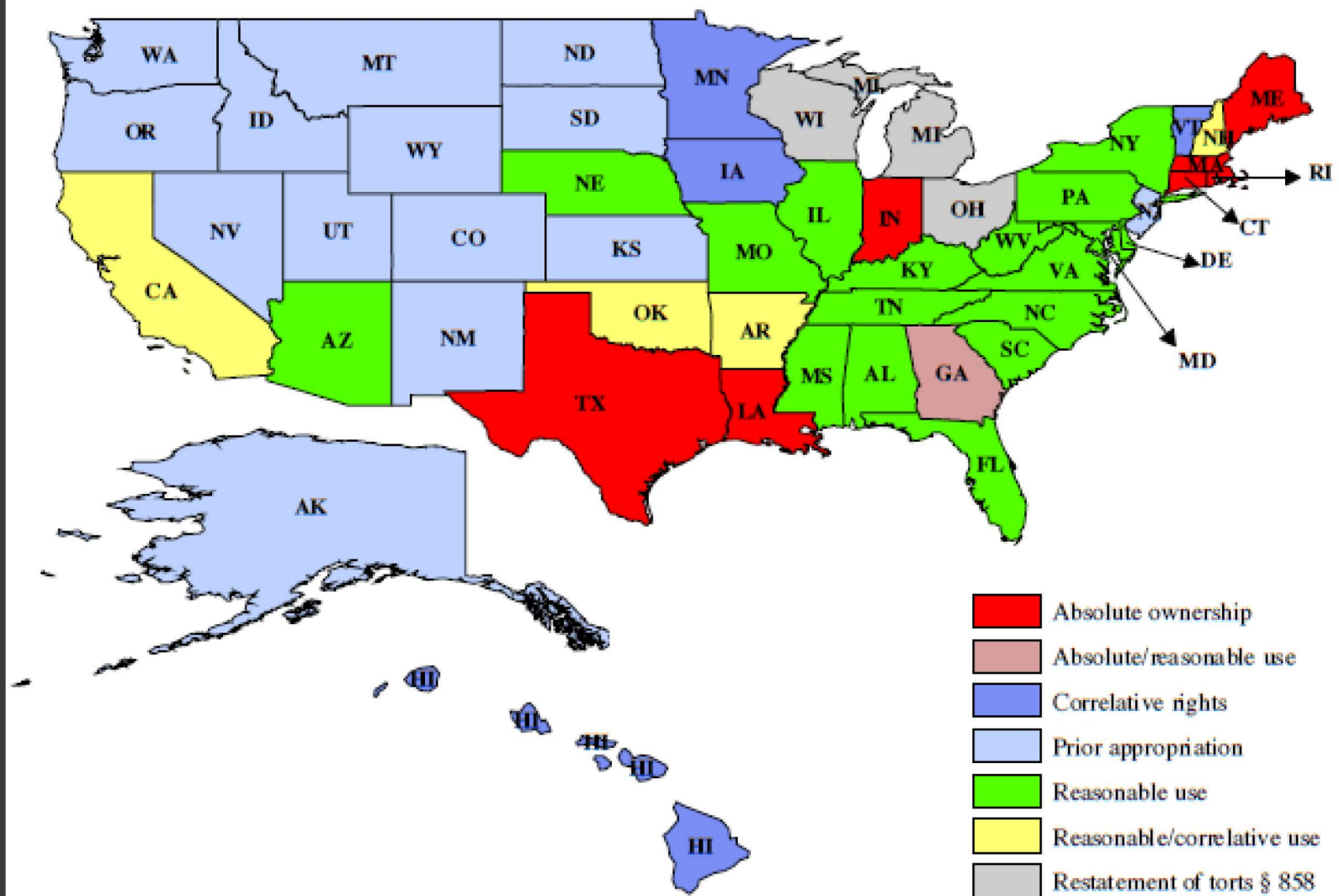
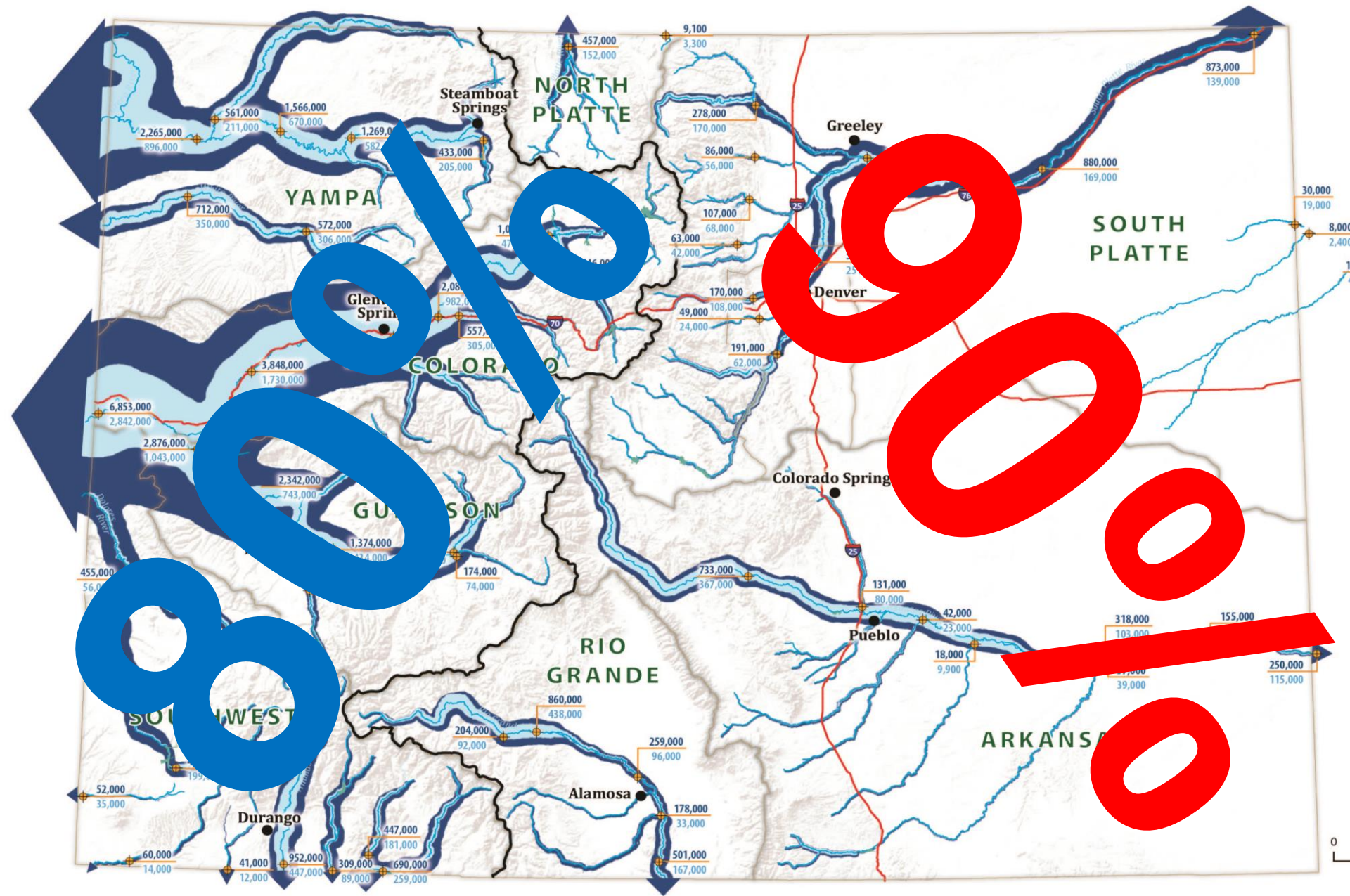


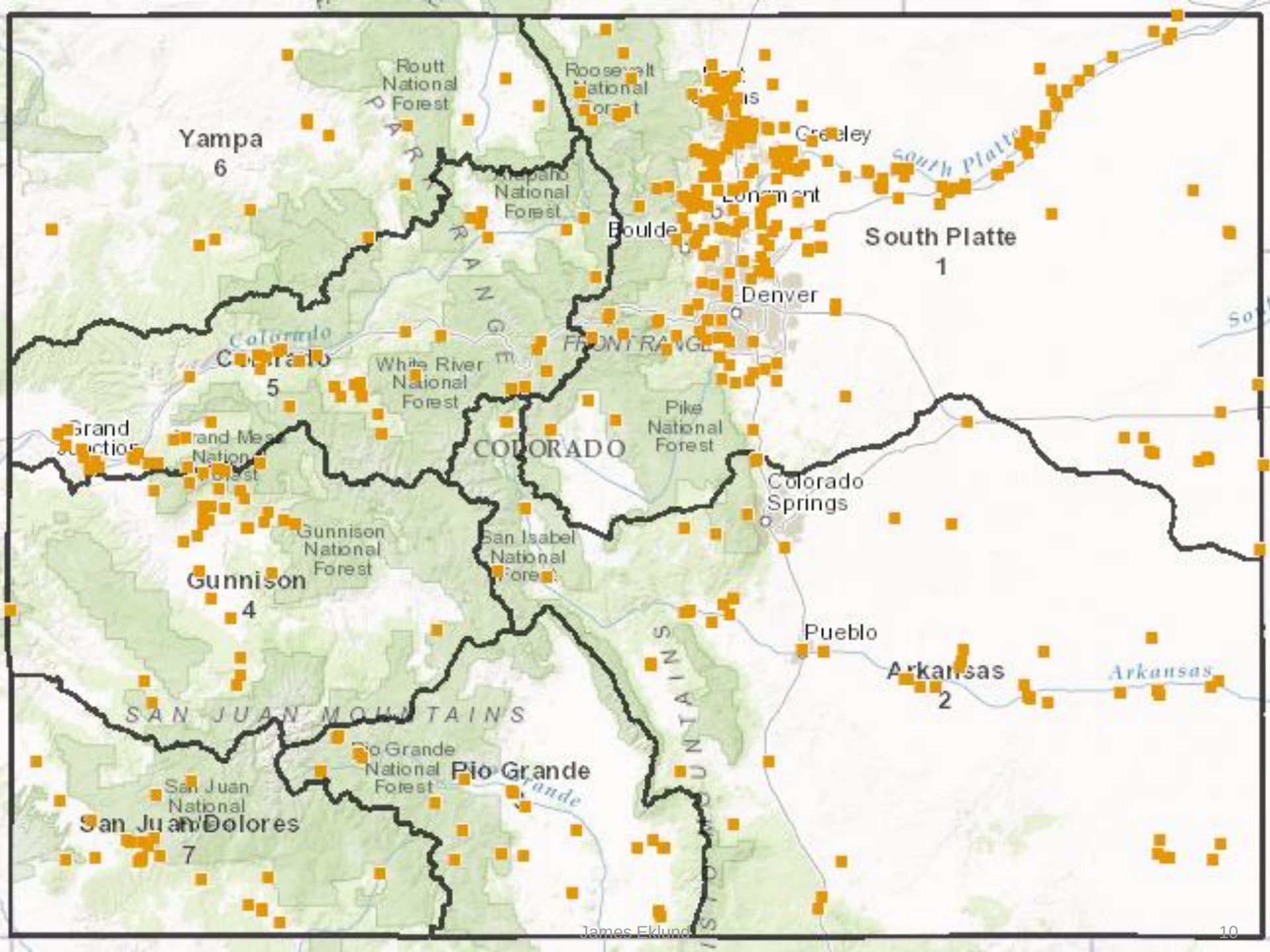
Figure 1. Groundwater Allocation in the United States
(Not to Scale)

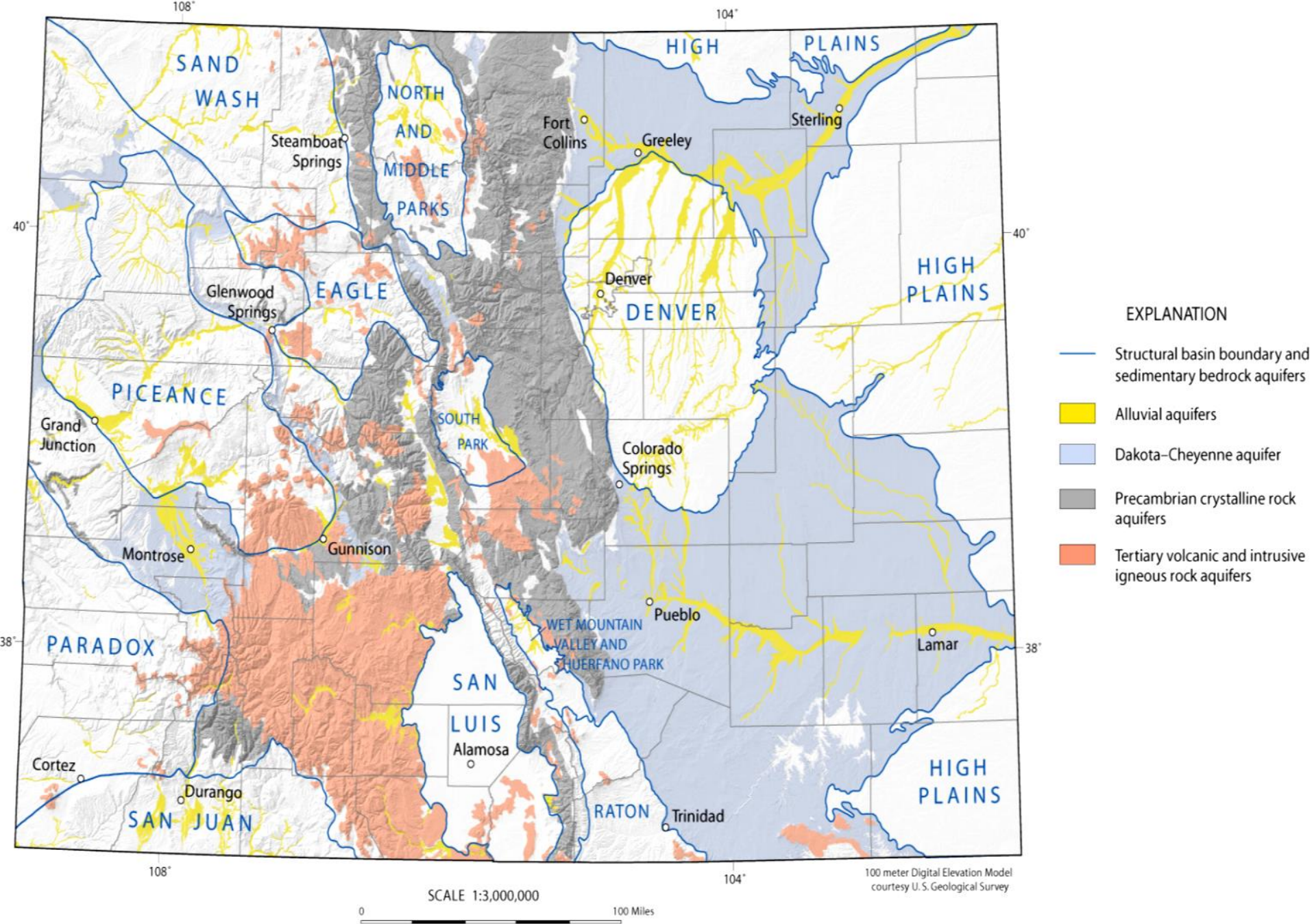
*COMPARISON OF GROUNDWATER RIGHTS IN THE UNITED STATES: LESSONS FOR TEXAS
by **SANJAYA RAJ JOSHI**, B.E. Civil, A THESIS IN CIVIL ENGINEERING, TEXAS TECH University, 2005.

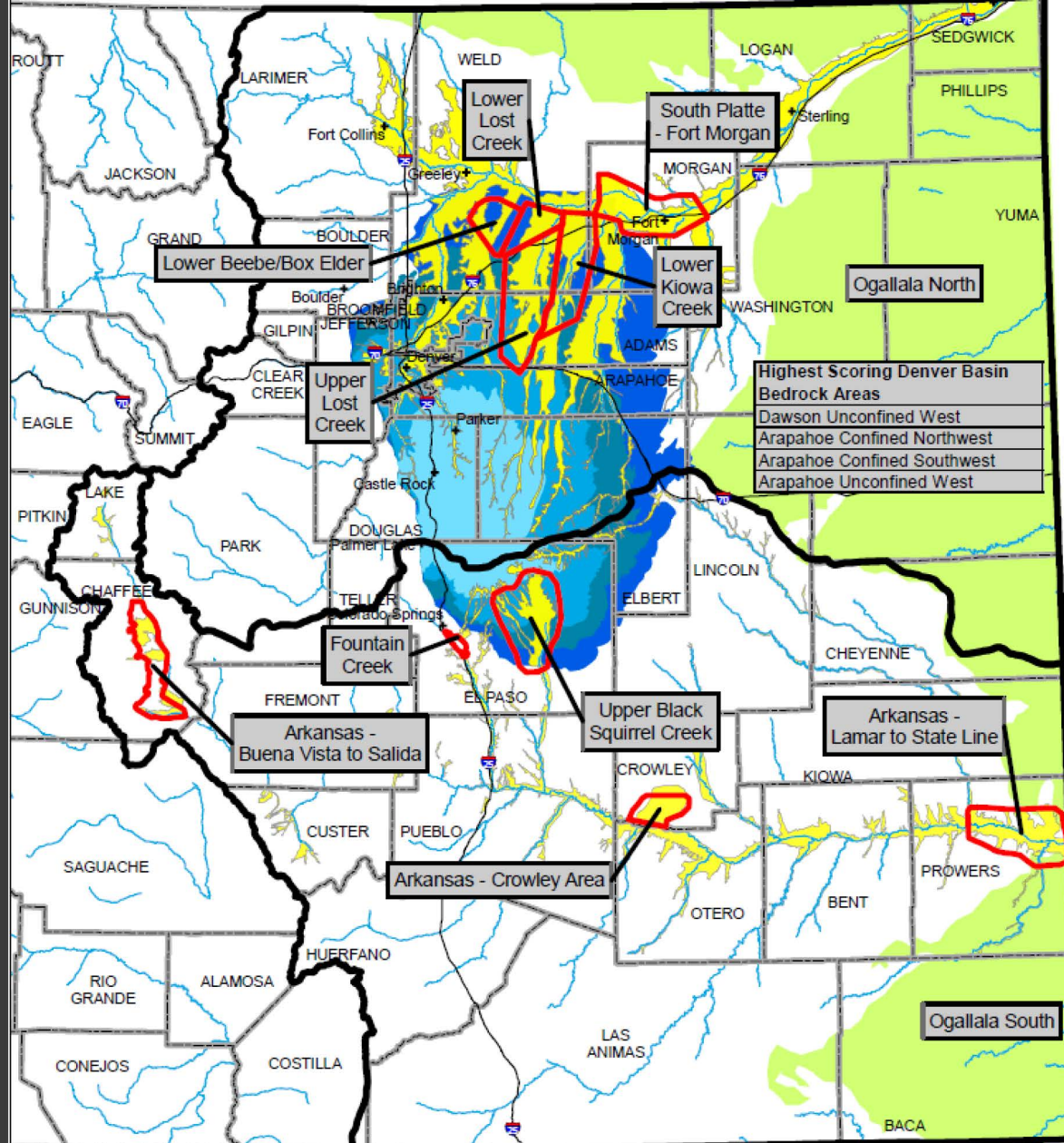


- Population: 5.4M
- 2nd fastest growing state
- Headwaters state
- 10-14MAF
- 9 compacts, 2 decrees
- Ties to large systems

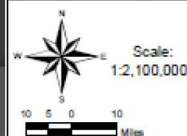








Sources: CDM 2004a; CDM 2004b; Topper et al. 2003



- City
- Highway
- County
- Alluvial Extent

Denver Basin Aquifers

- Dawson Extent
- Denver Extent
- Arapahoe Extent
- Laramie-Fox Hills Extent

- Alluvial Subregions
- Ogallala Extent

Colorado Water Conservation Board



Prepared by: CDM

Figure ES-1

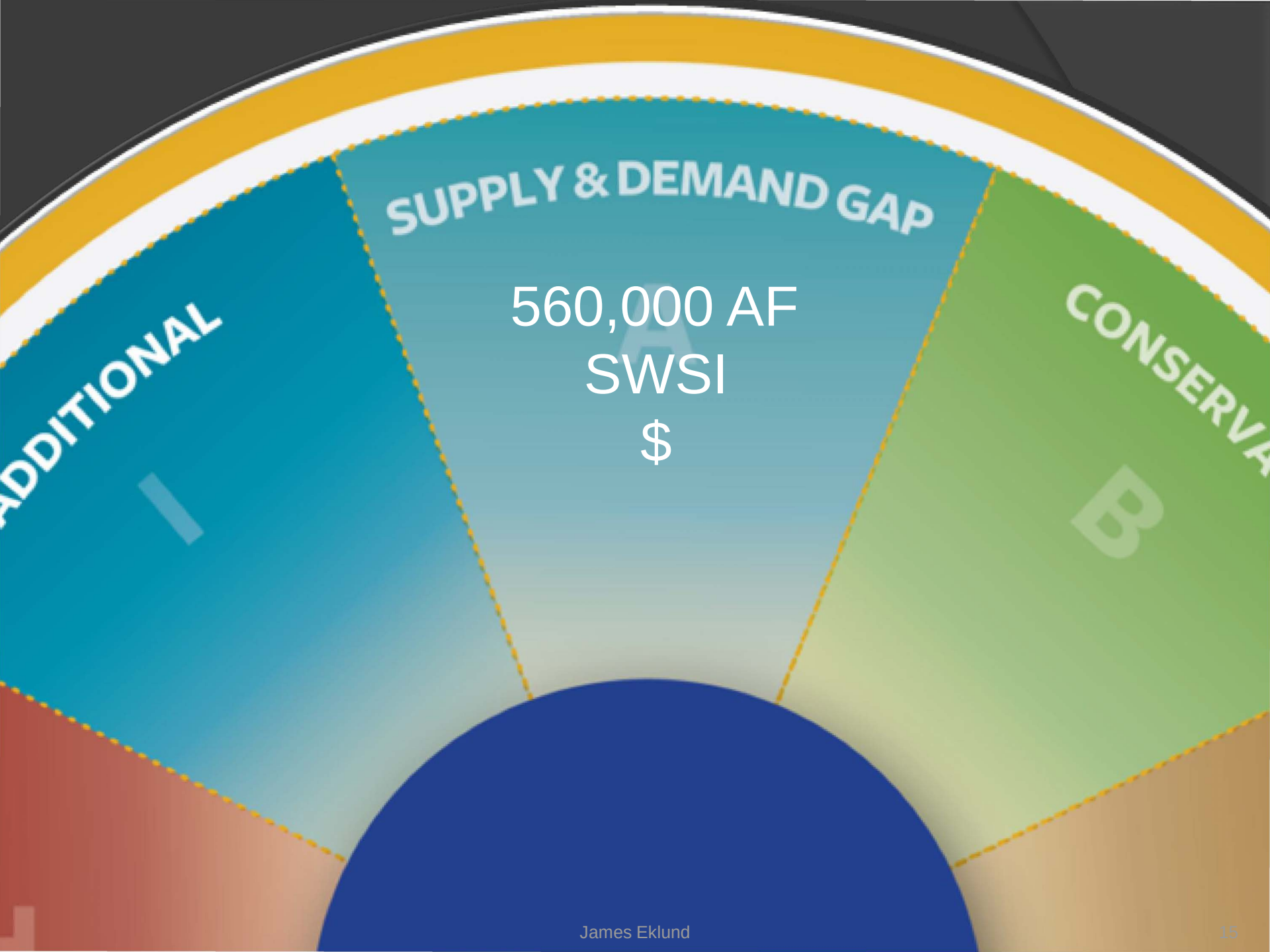
2015

COLLABORATING ON COLORADO'S WATER FUTURE

COLORADO'S WATER PLAN

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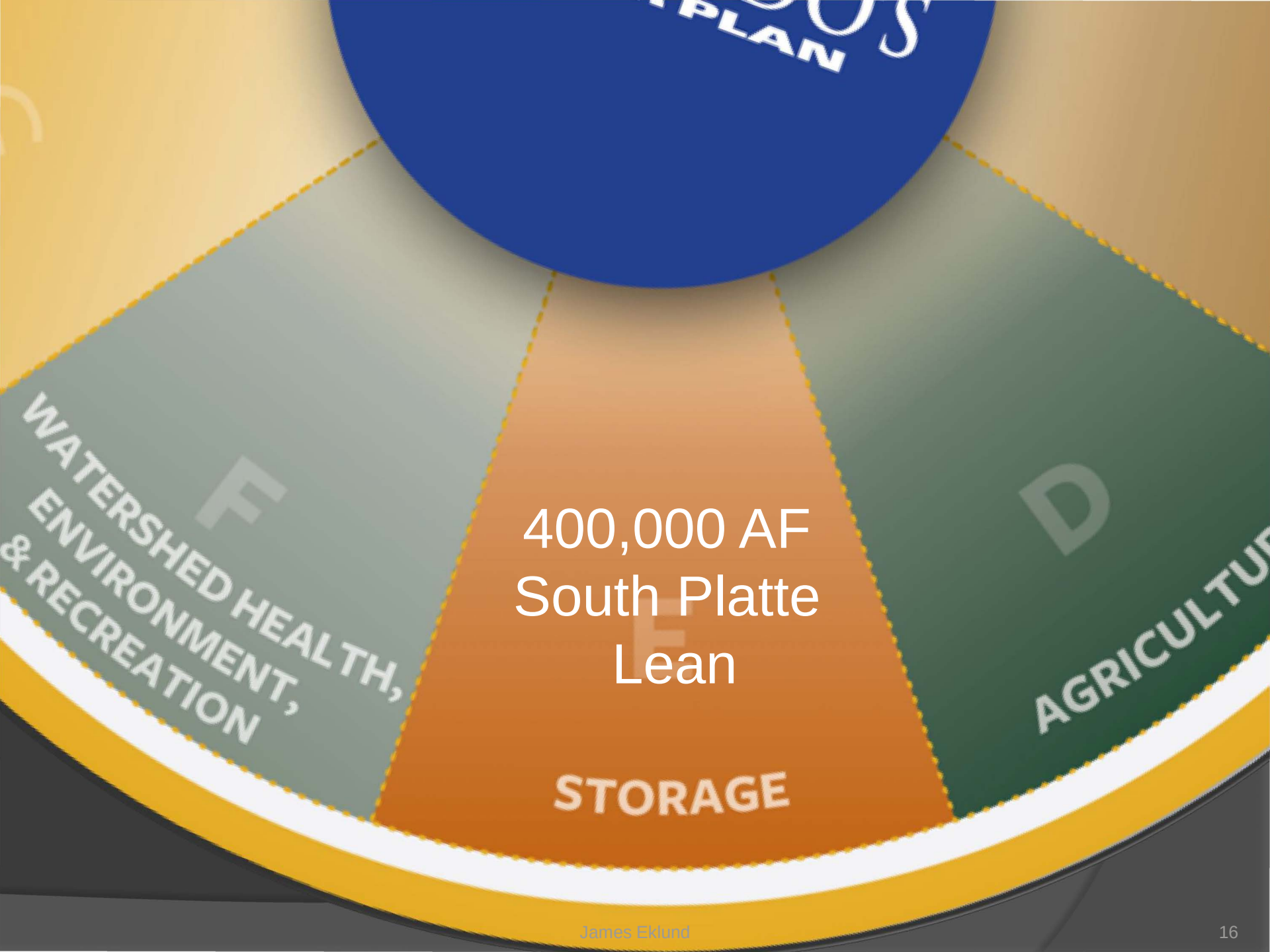


SUPPLY & DEMAND GAP

560,000 AF
SWSI
\$

ADDITIONAL

CONSERVA



400,000 AF
South Platte
Lean

STORAGE

COLC
water

\$3-6B

3-5 yr plan

\$50M RGF

\$10M WSRF

\$5M →

\$10M Impl. grants

FUNDING

EDUCATION, OUTREACH
INNOVATION

WATERSHED HEALTH
ENVIRONMENT
& RECREATION