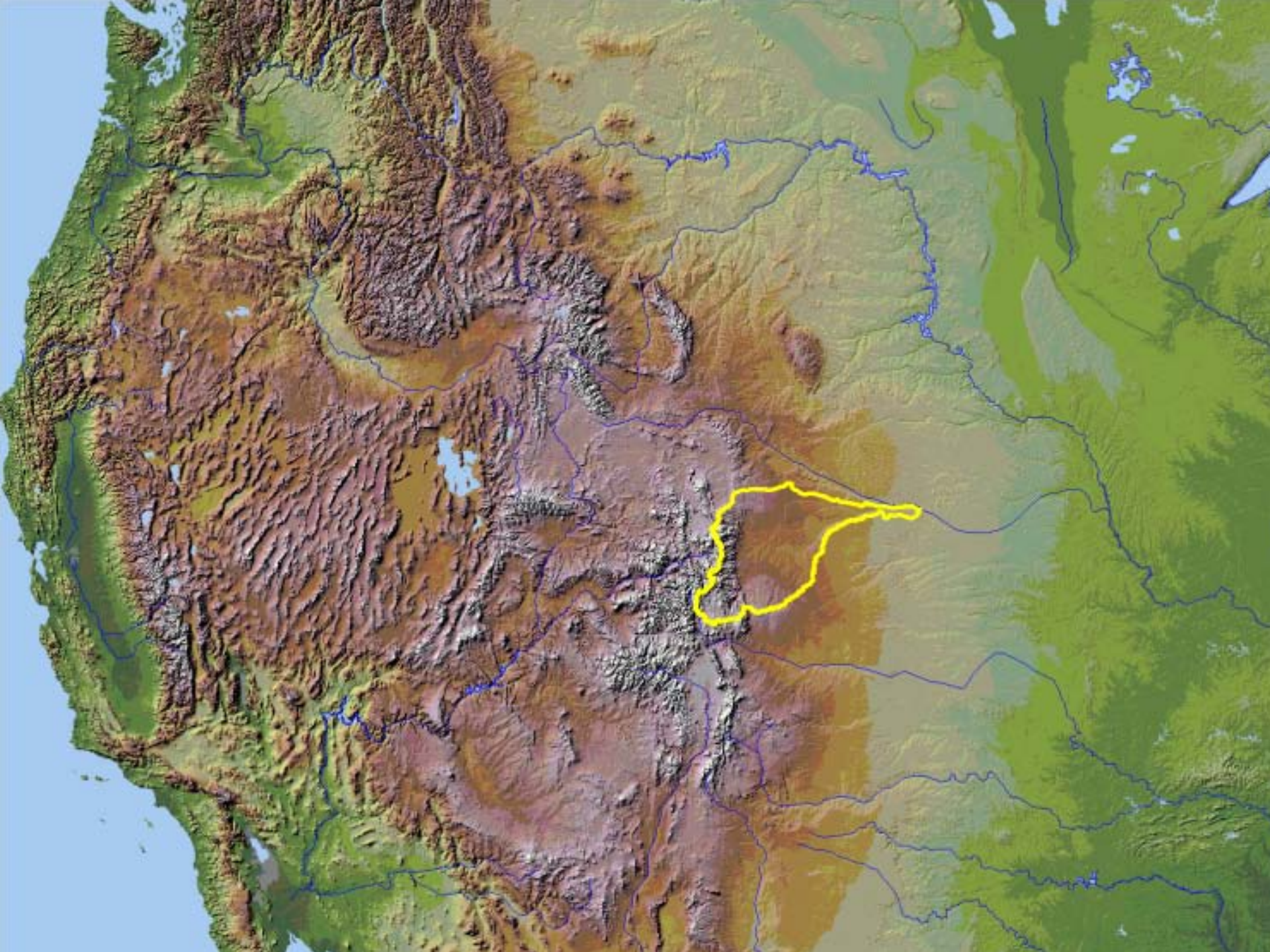


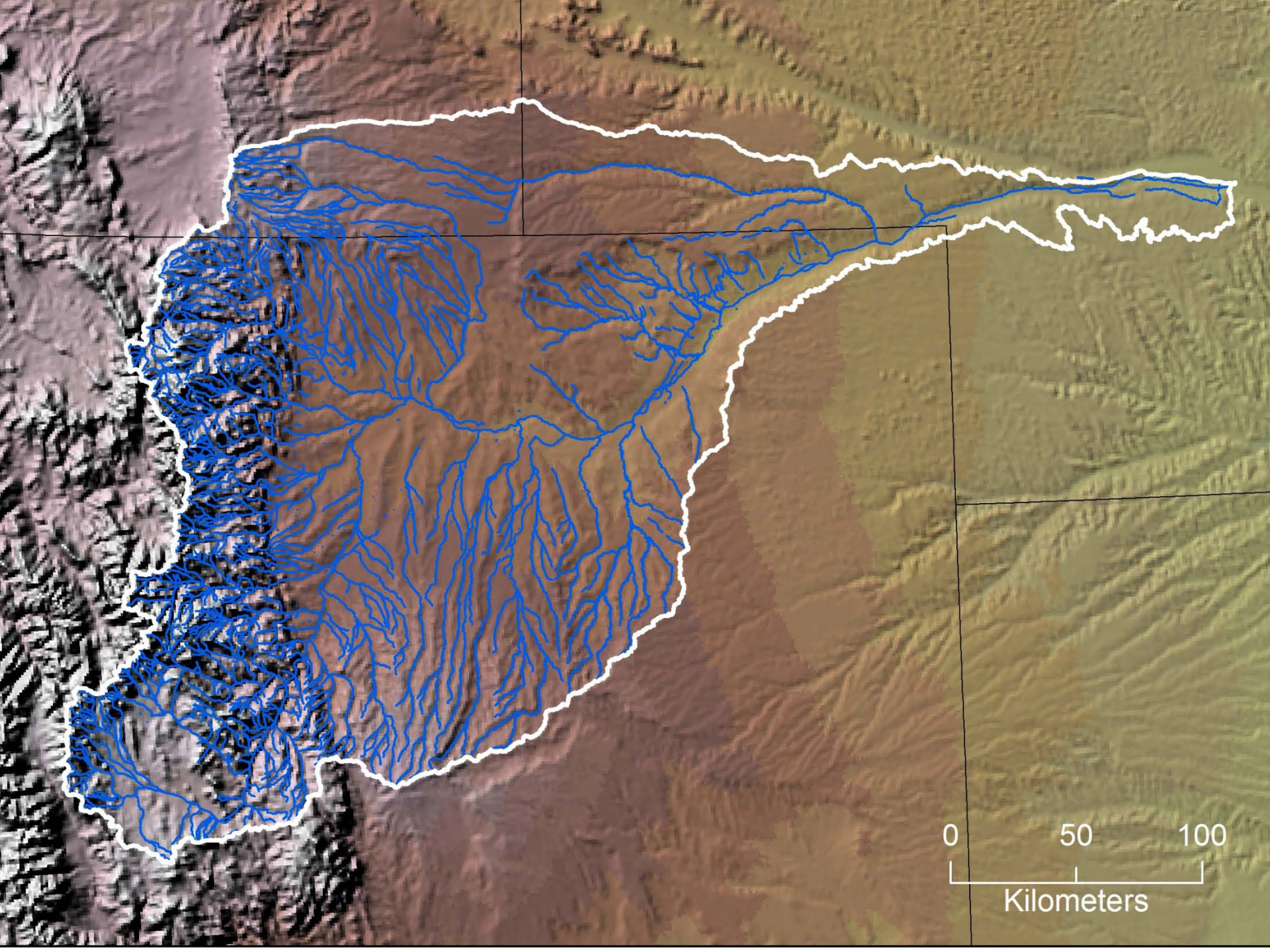
Riparian vegetation of the Cache La Poudre Watershed: functions, values, threats, and conservation

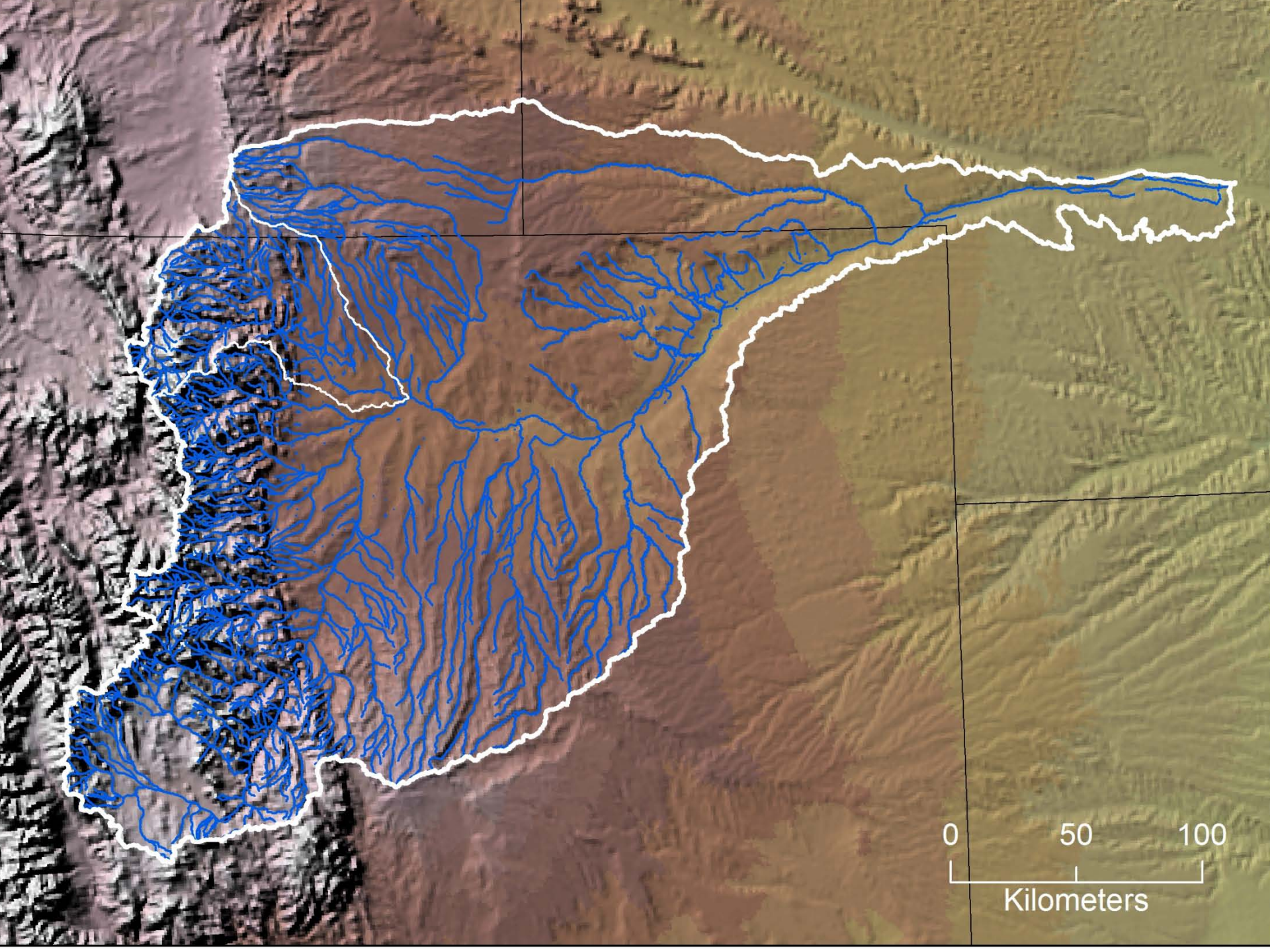
David Merritt

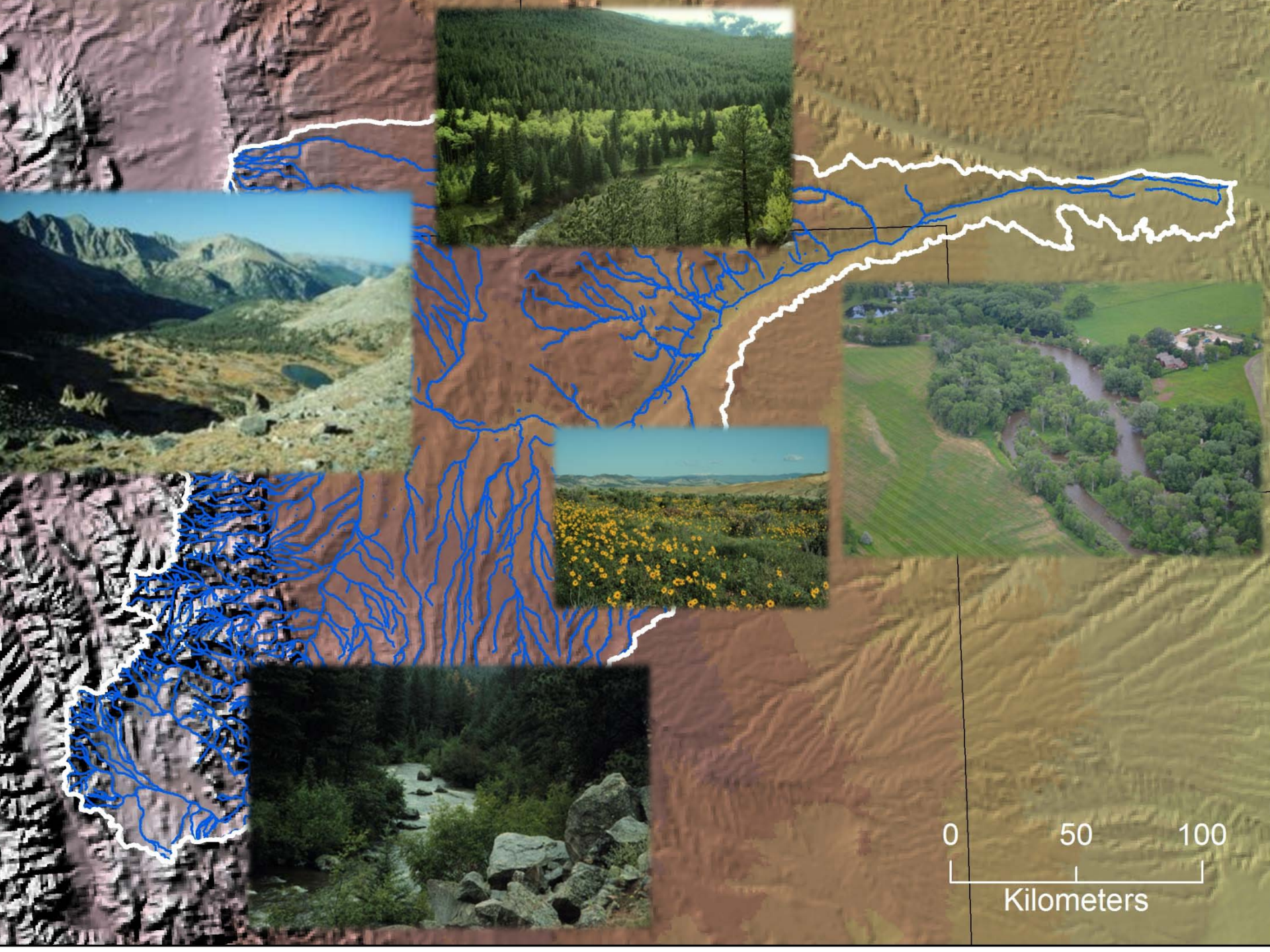
USDA Forest Service Watershed, Fish, and Wildlife Program



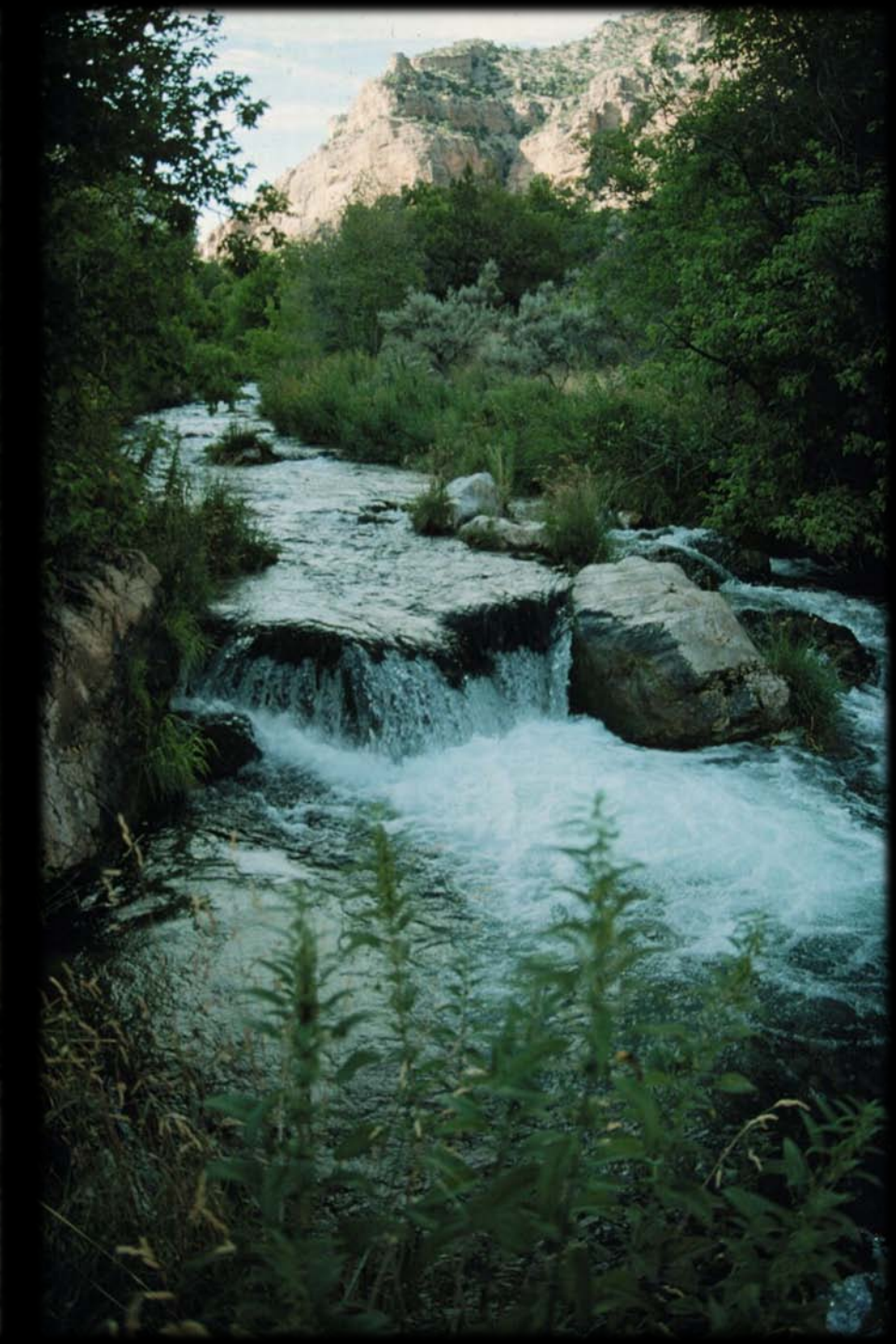




















Ecosystem services

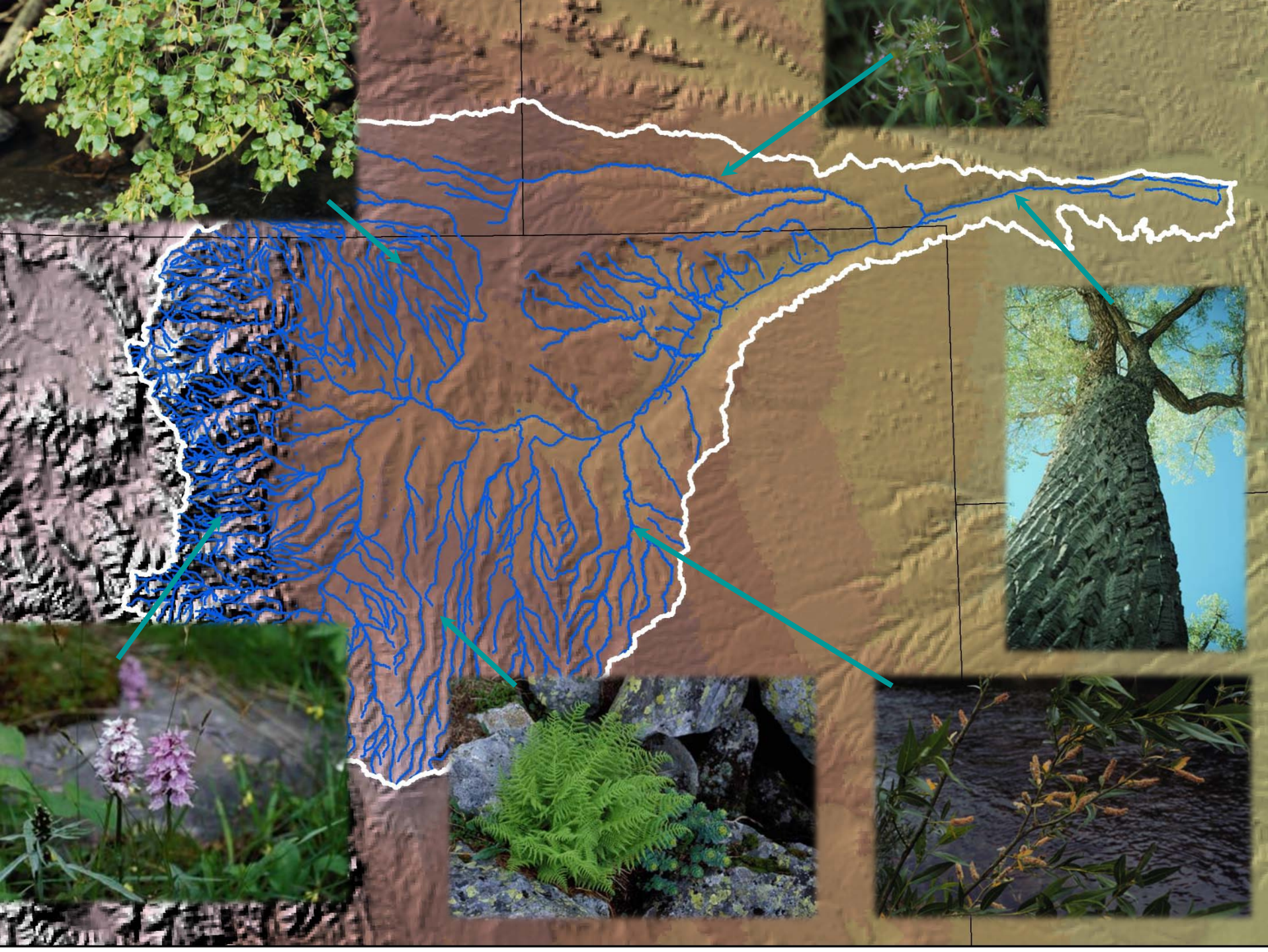
- Clean water supply
- Irrigation water
- Productive fisheries-Food
- Recreation
- Aesthetics
- Wildlife habitat
- Biodiversity
- ...

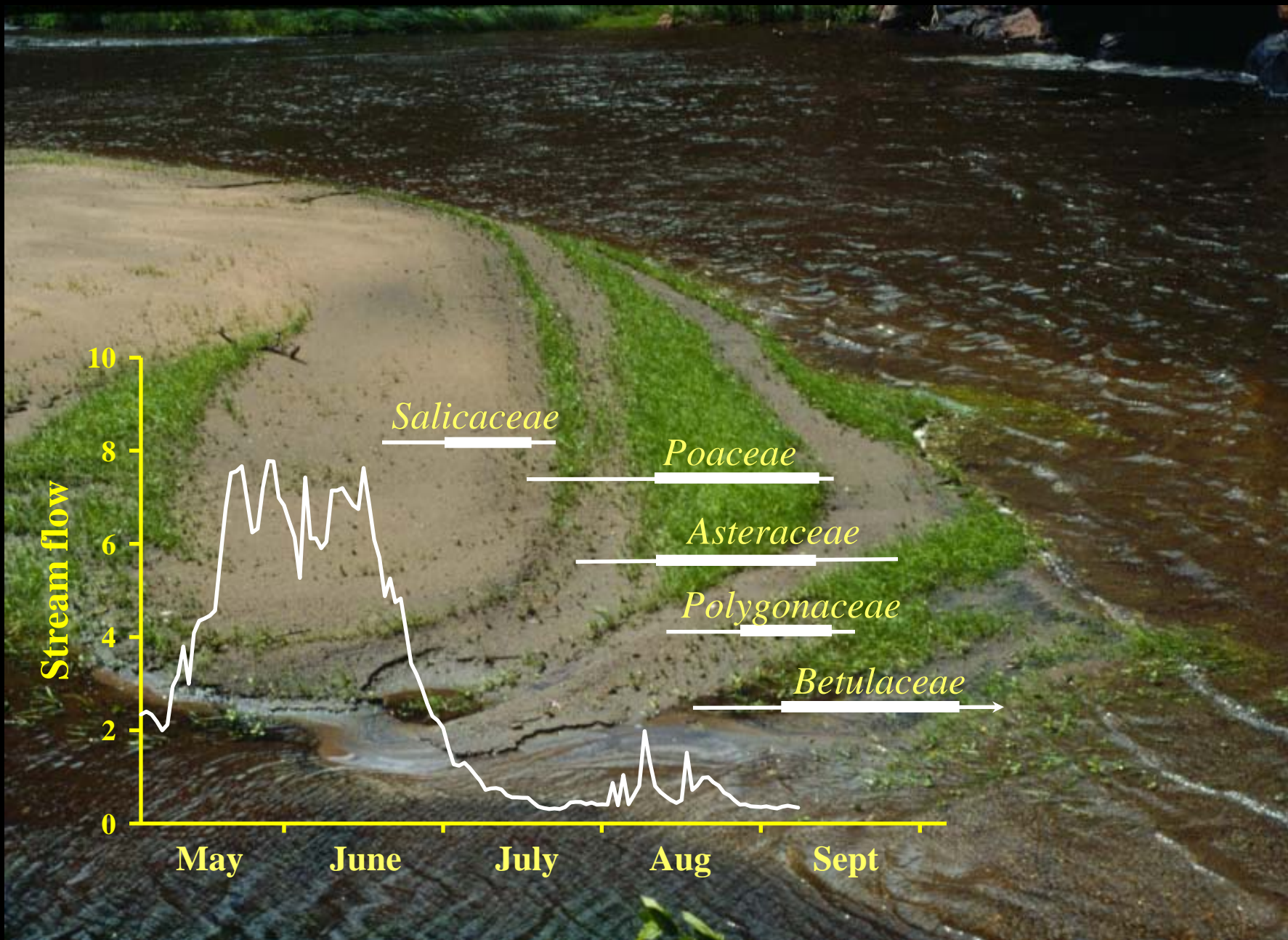


Biological connectivity

Hydrologic and hydraulic processes: moisture and natural disturbance









Stressors and Human Influences

Water extraction-diversion

Invasive species

Altering disturbance regimes

Pests and disease

Livestock grazing

Home building-development

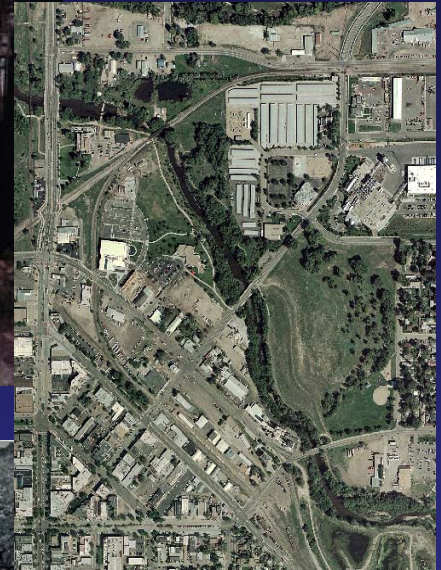
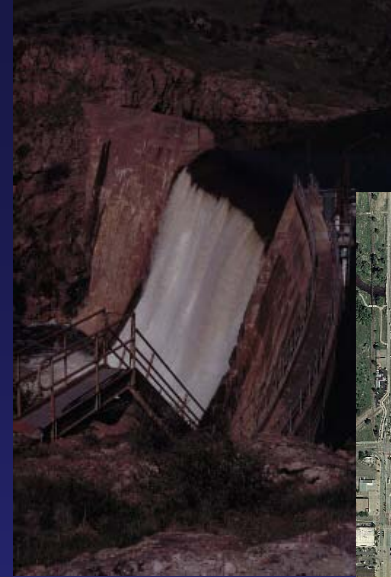
Agriculture

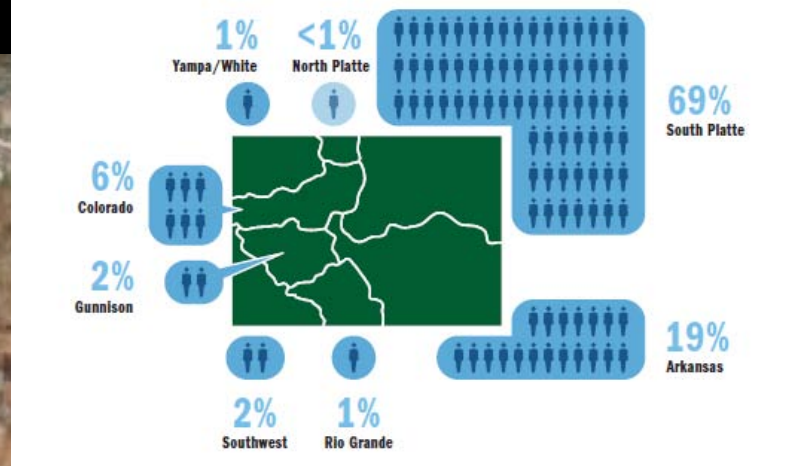
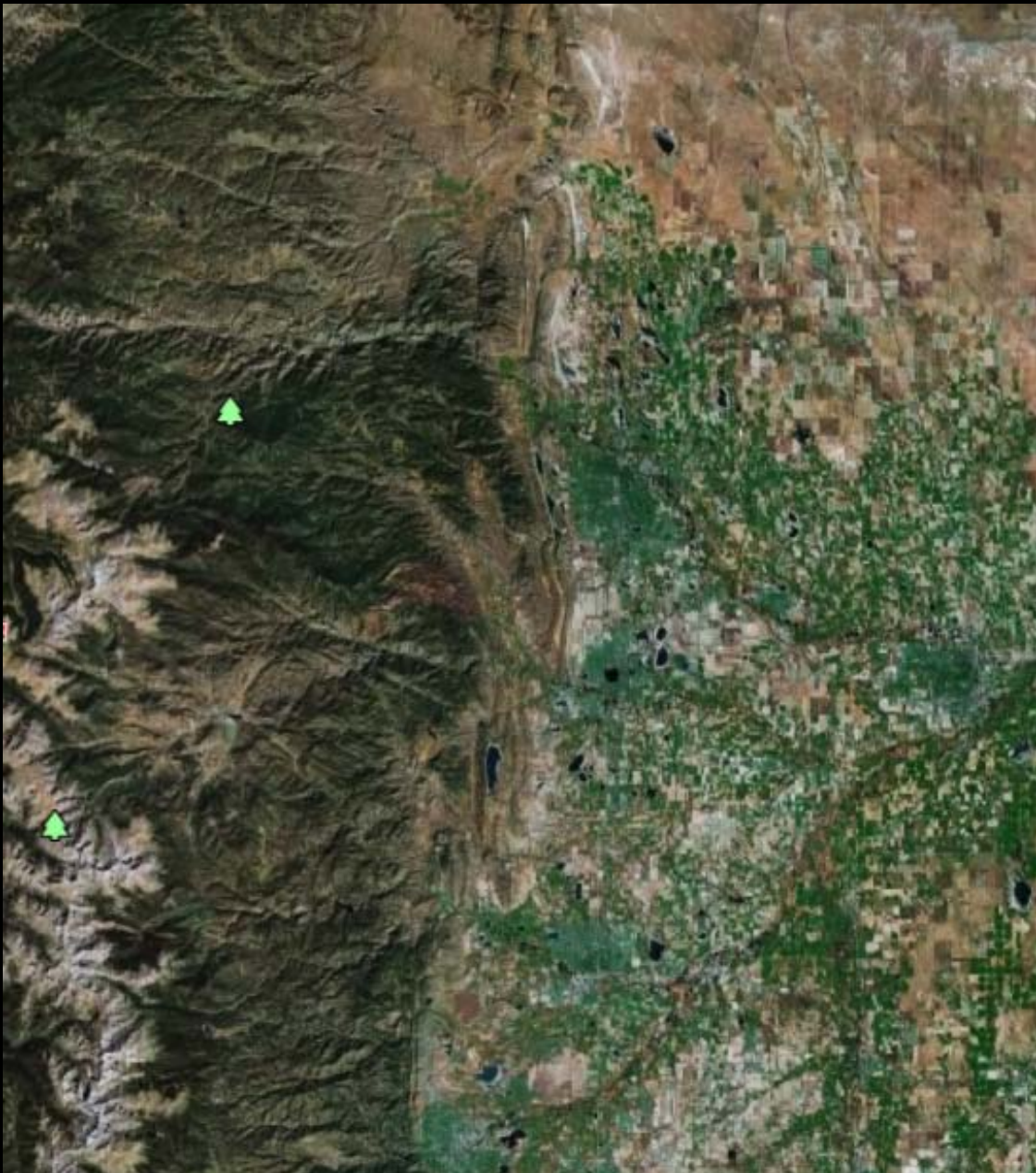
Oil and natural gas development

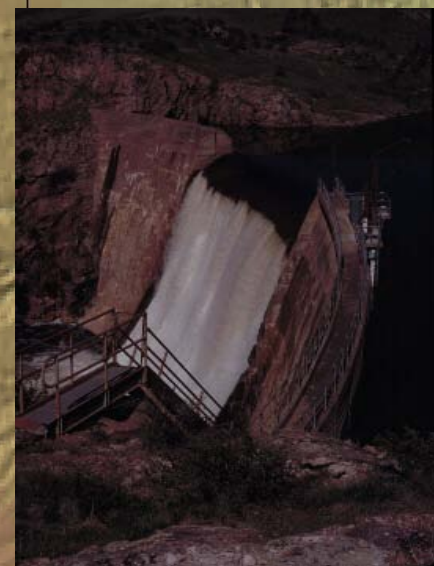
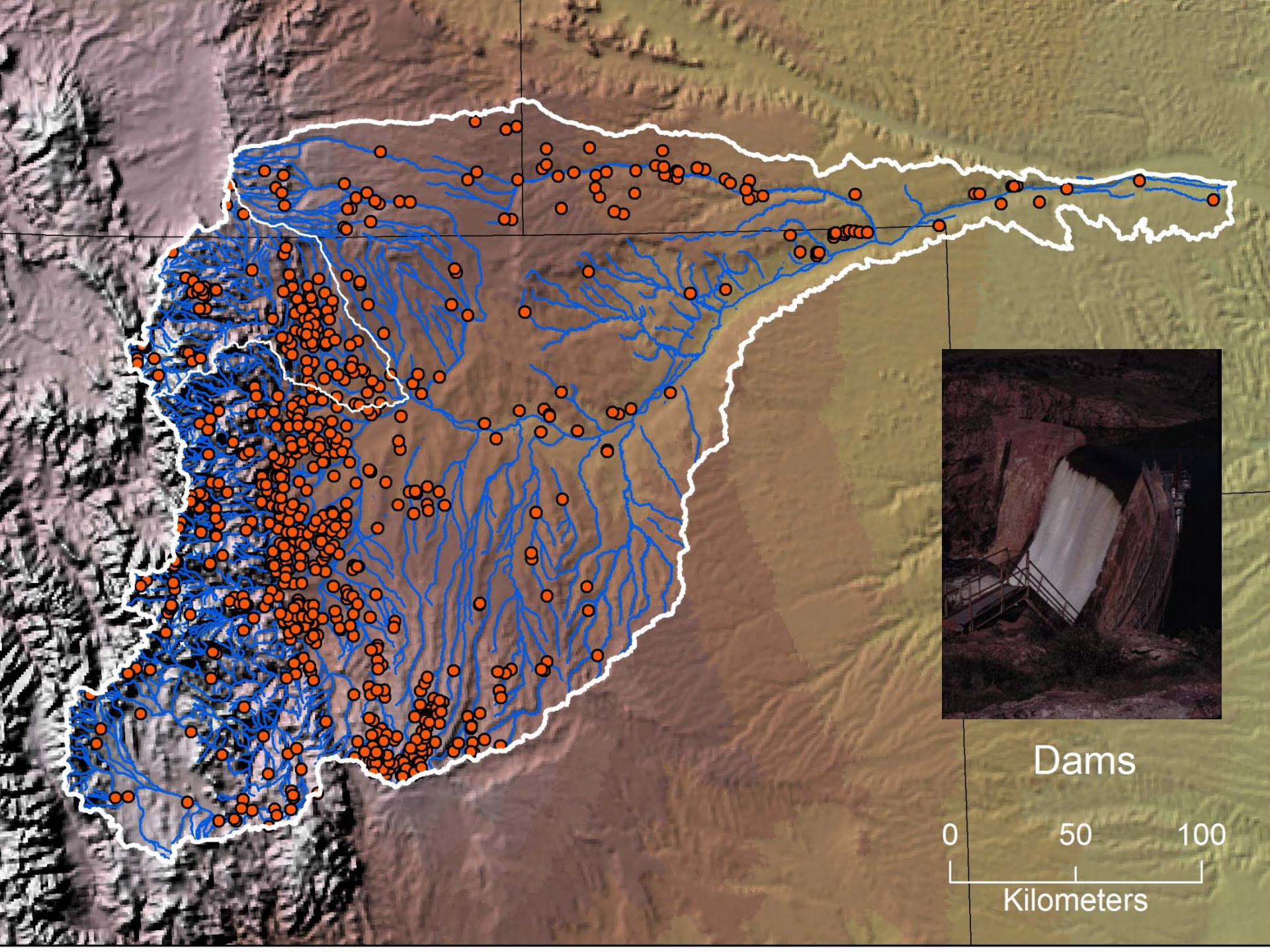
Mining

Road building

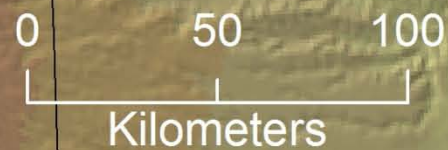
Legacy of development

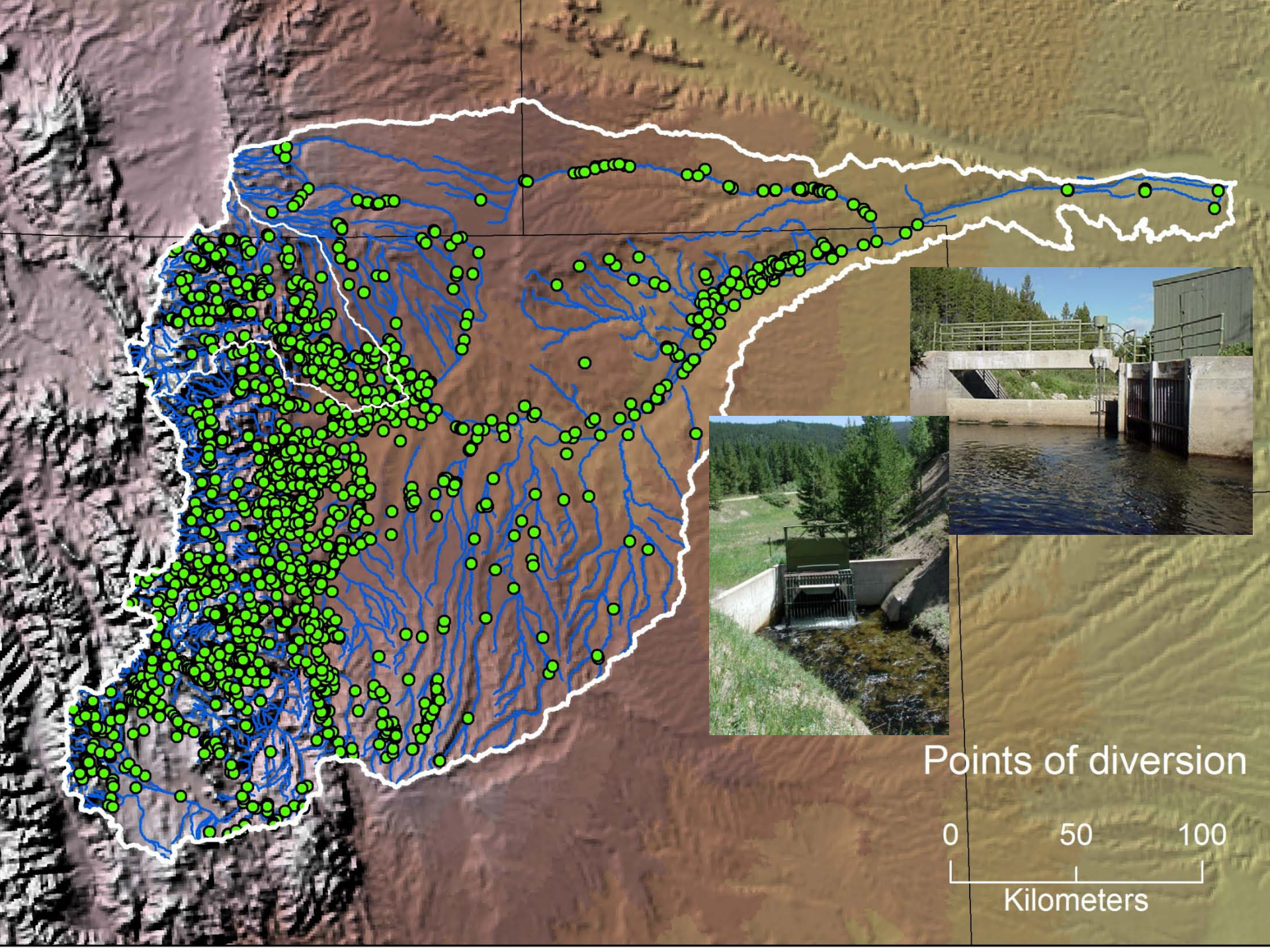






Dams





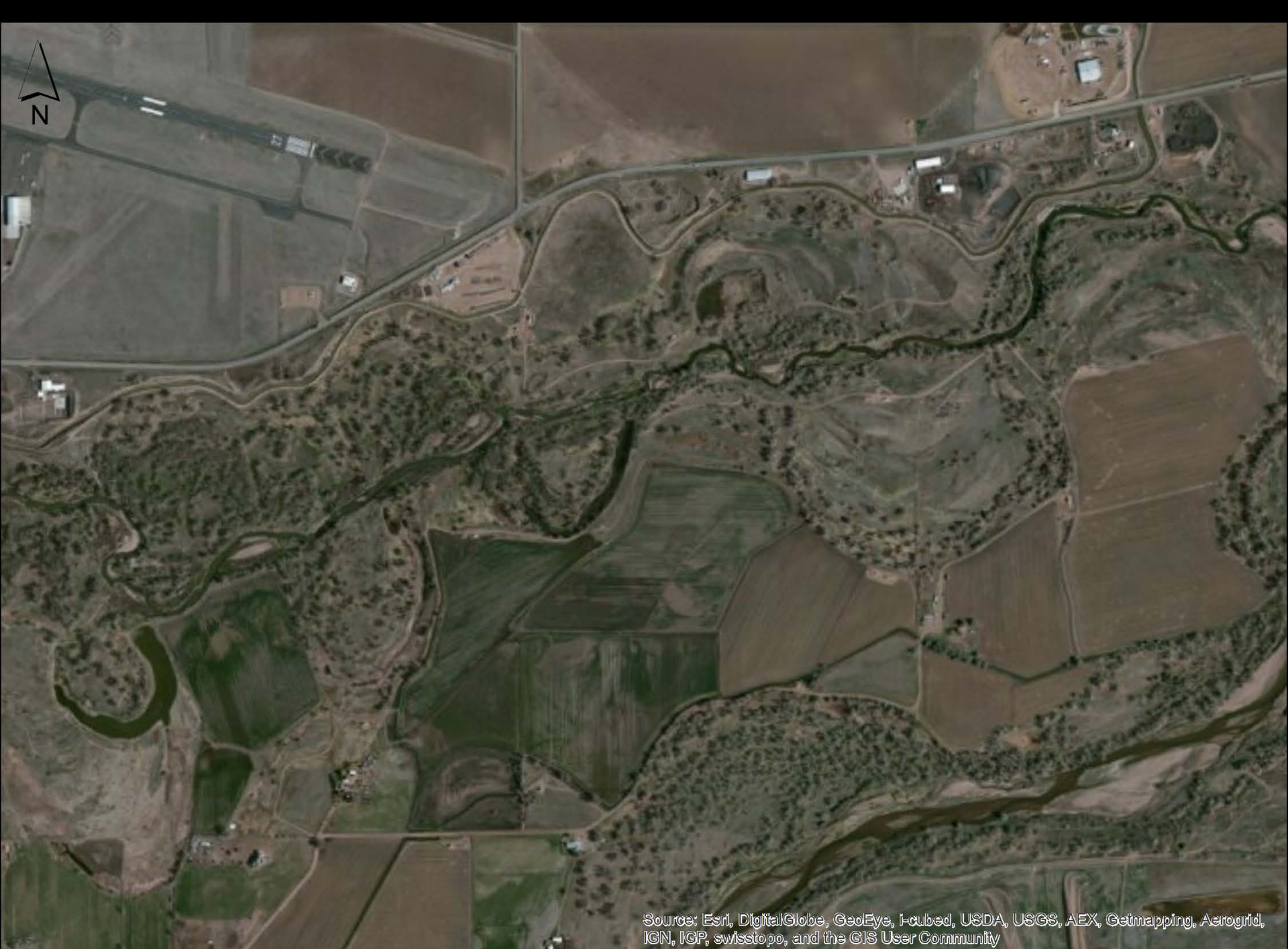
Upstream



Downstream







Source: Esri, DigitalGlobe, GeoEye, i-cubed, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community

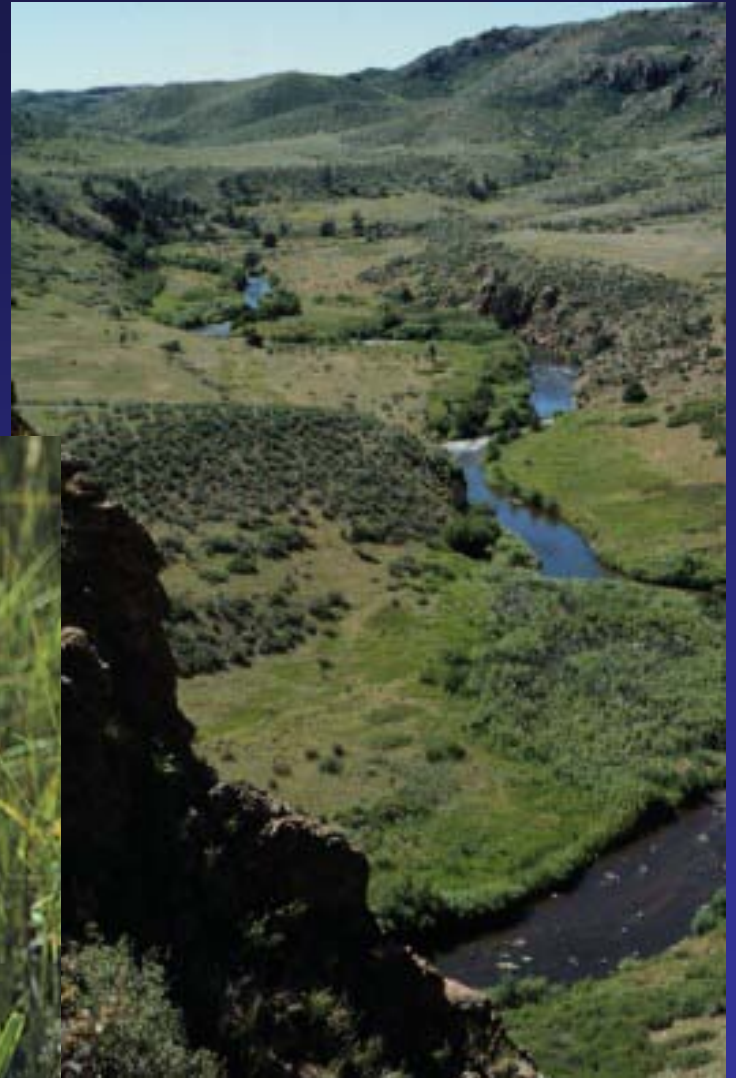


Source: Esri, DigitalGlobe, GeoEye, i-cubed, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community





Schorr 2003



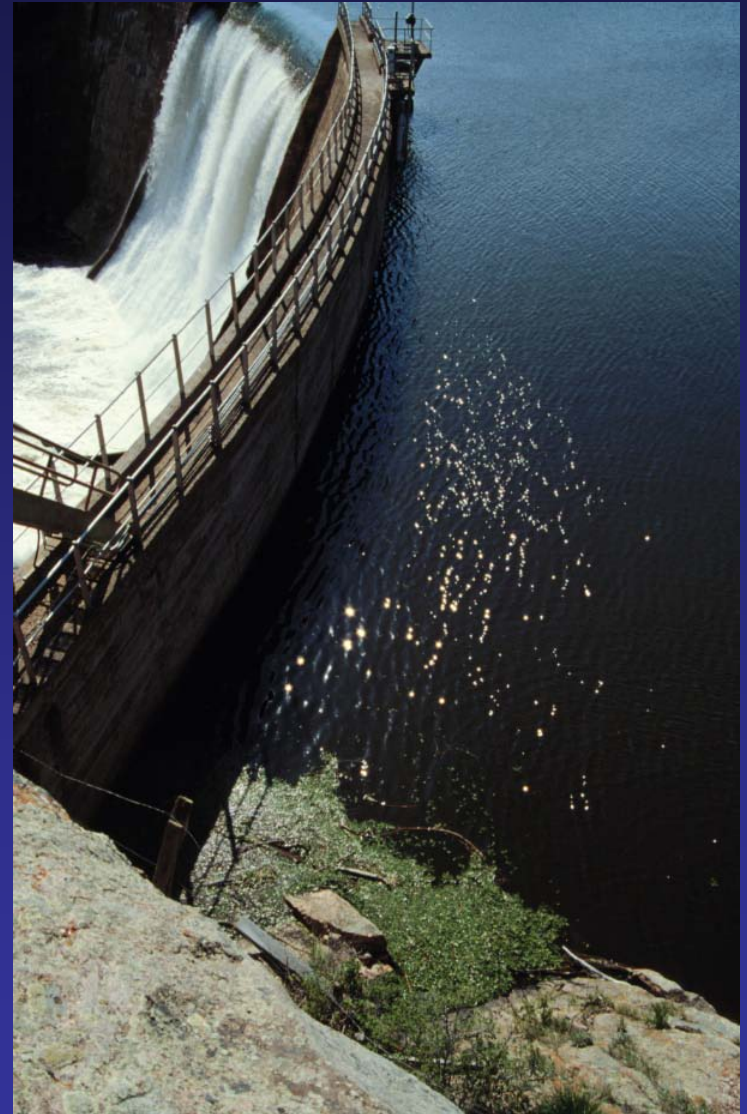


Filling the Gap

**Western Resource Advocates, Trout Unlimited,
and the Colorado Environmental Coalition**

- 1. Acceptable planned projects**
- 2. Conservation**
- 3. Reuse**
- 4. Agriculture-Urban Cooperation**

*“Protecting Colorado’s rivers, streams, and
lakes is an integral part of any
future water development strategy”*



Rivers and all creatures that inhabit the water are here for the wise to contemplate and fools to ignore. – D. Orth

