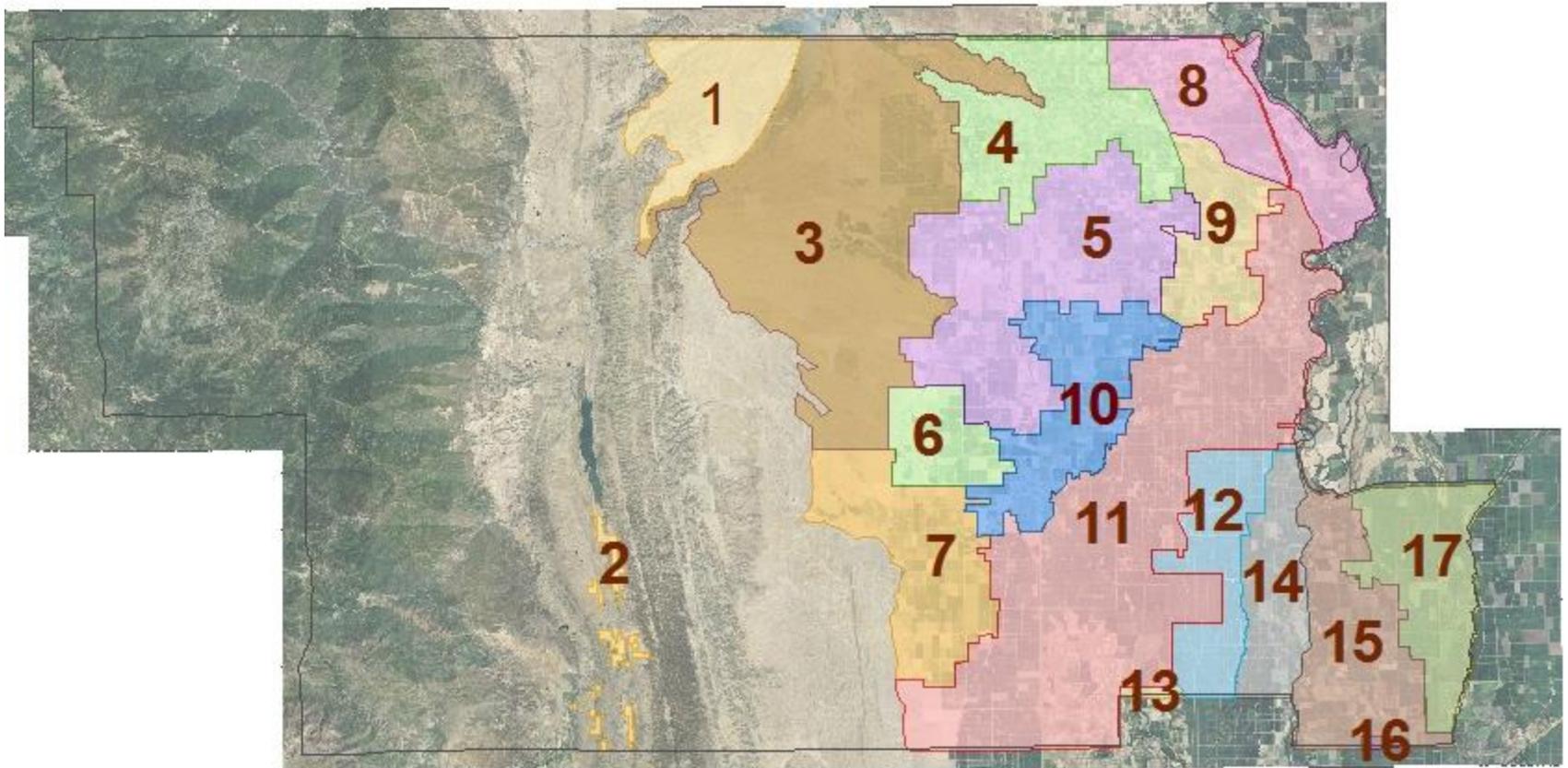


BMO REVISIONS

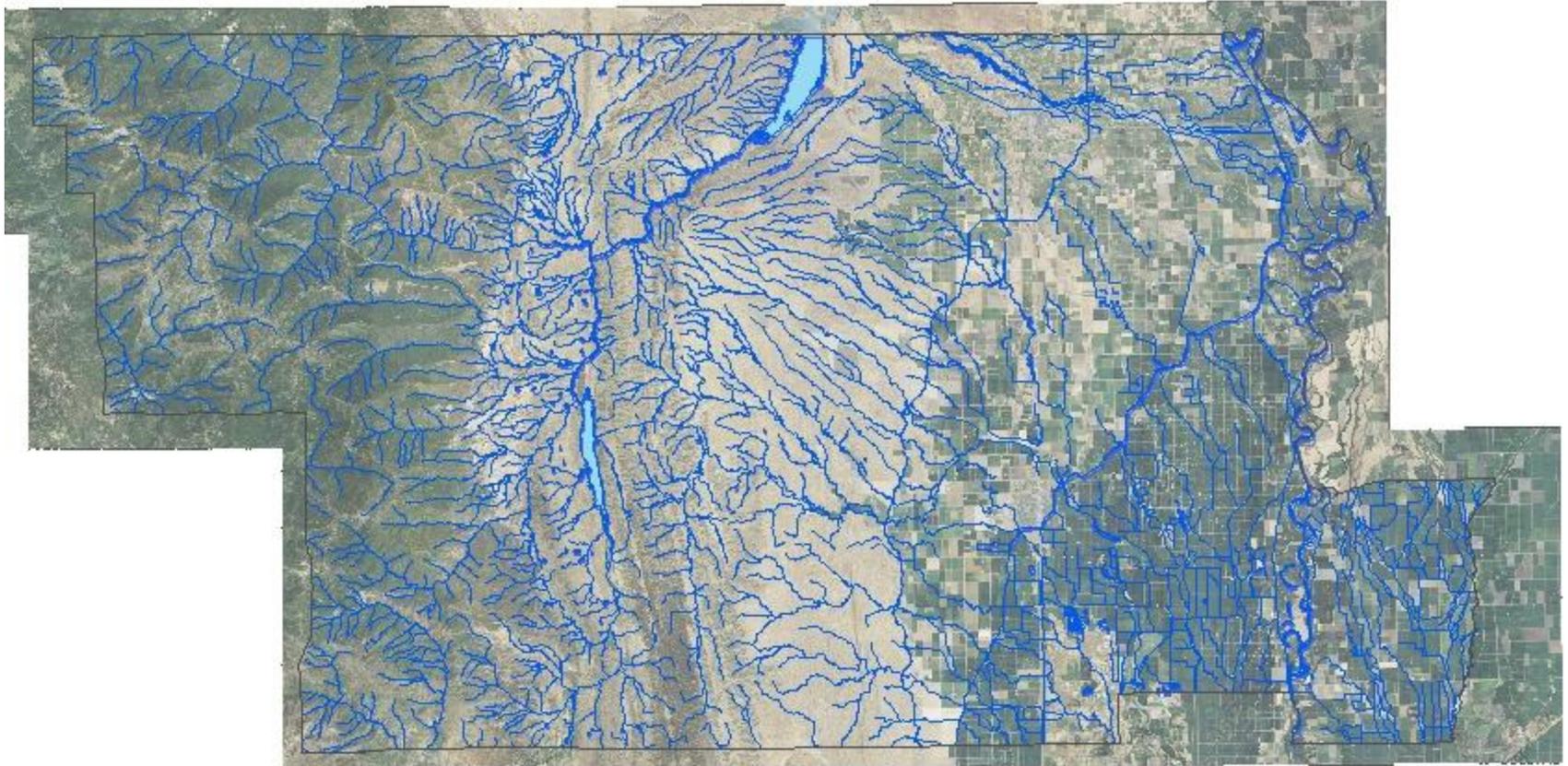
Glenn County Technical Advisory Committee
July 15, 2014



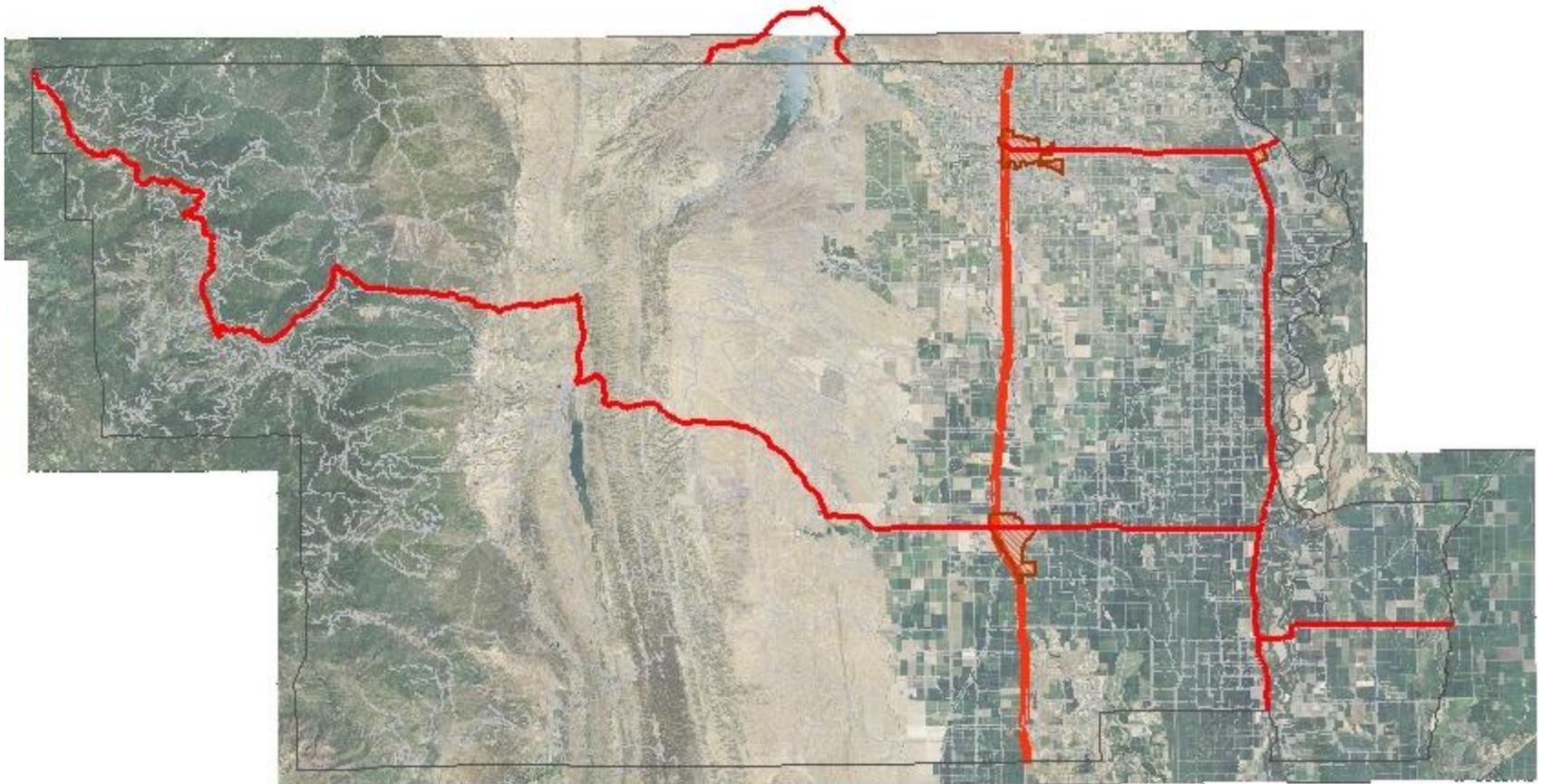
Current BMO Subareas



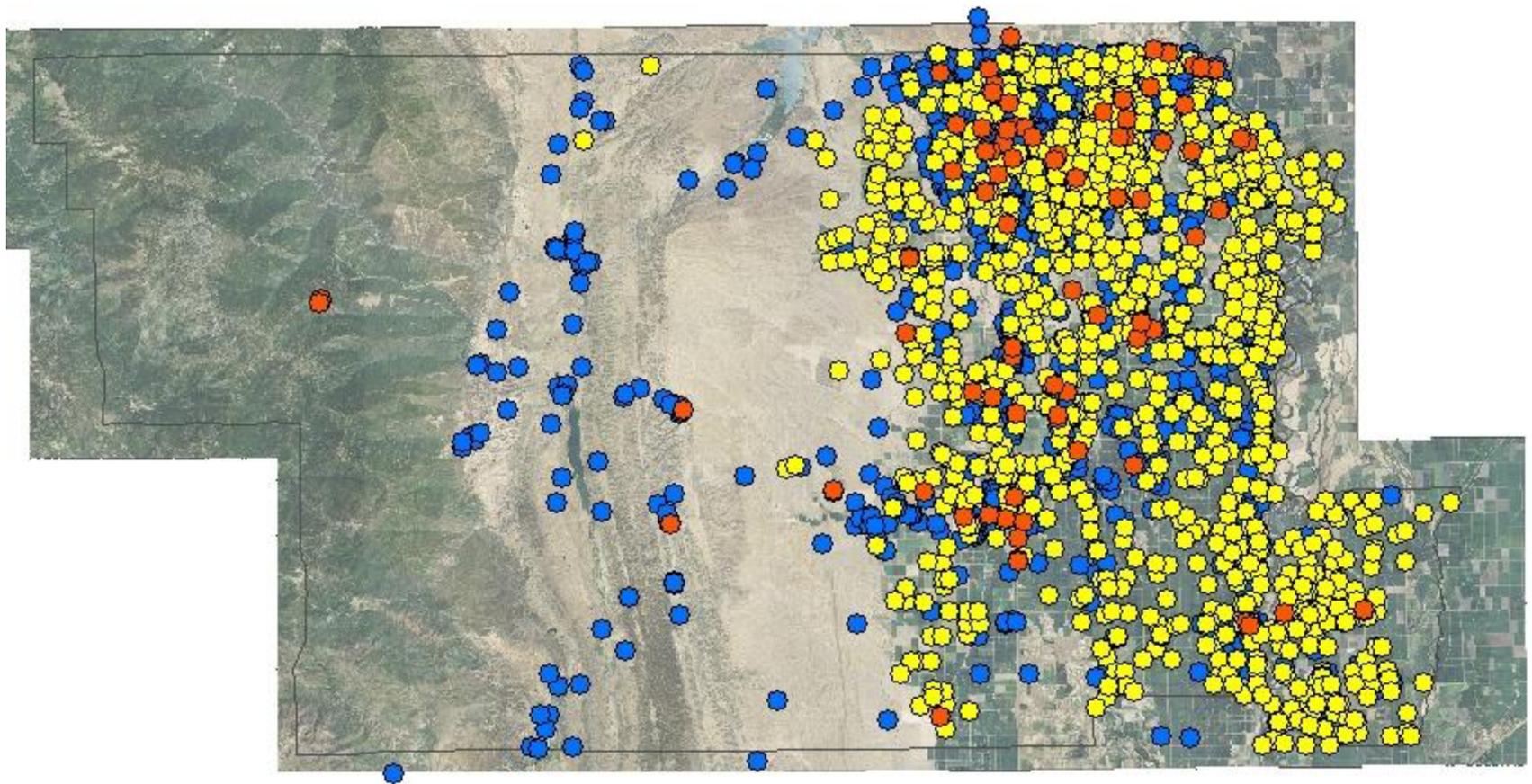
Glenn County



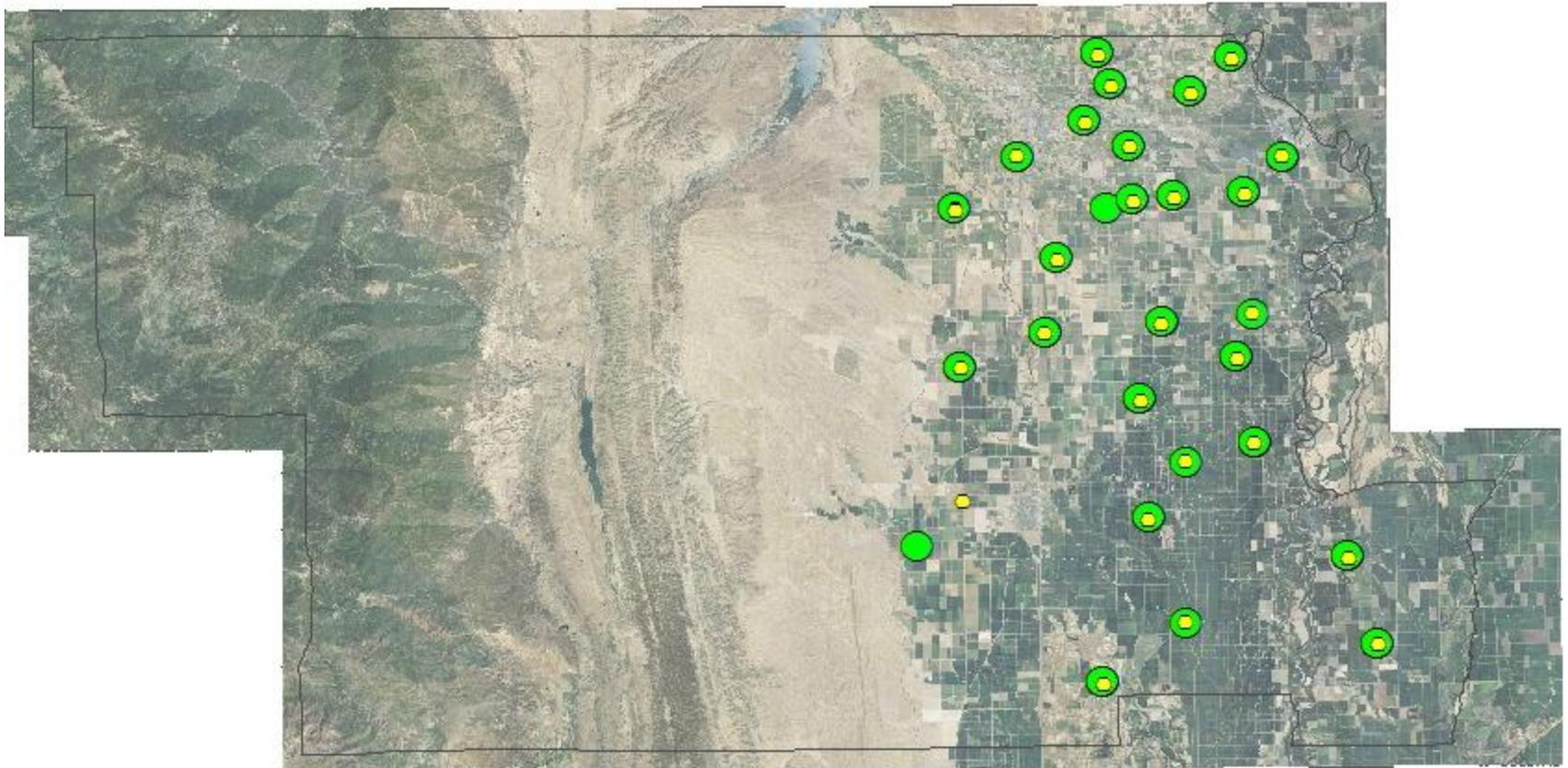
Rivers and Lakes



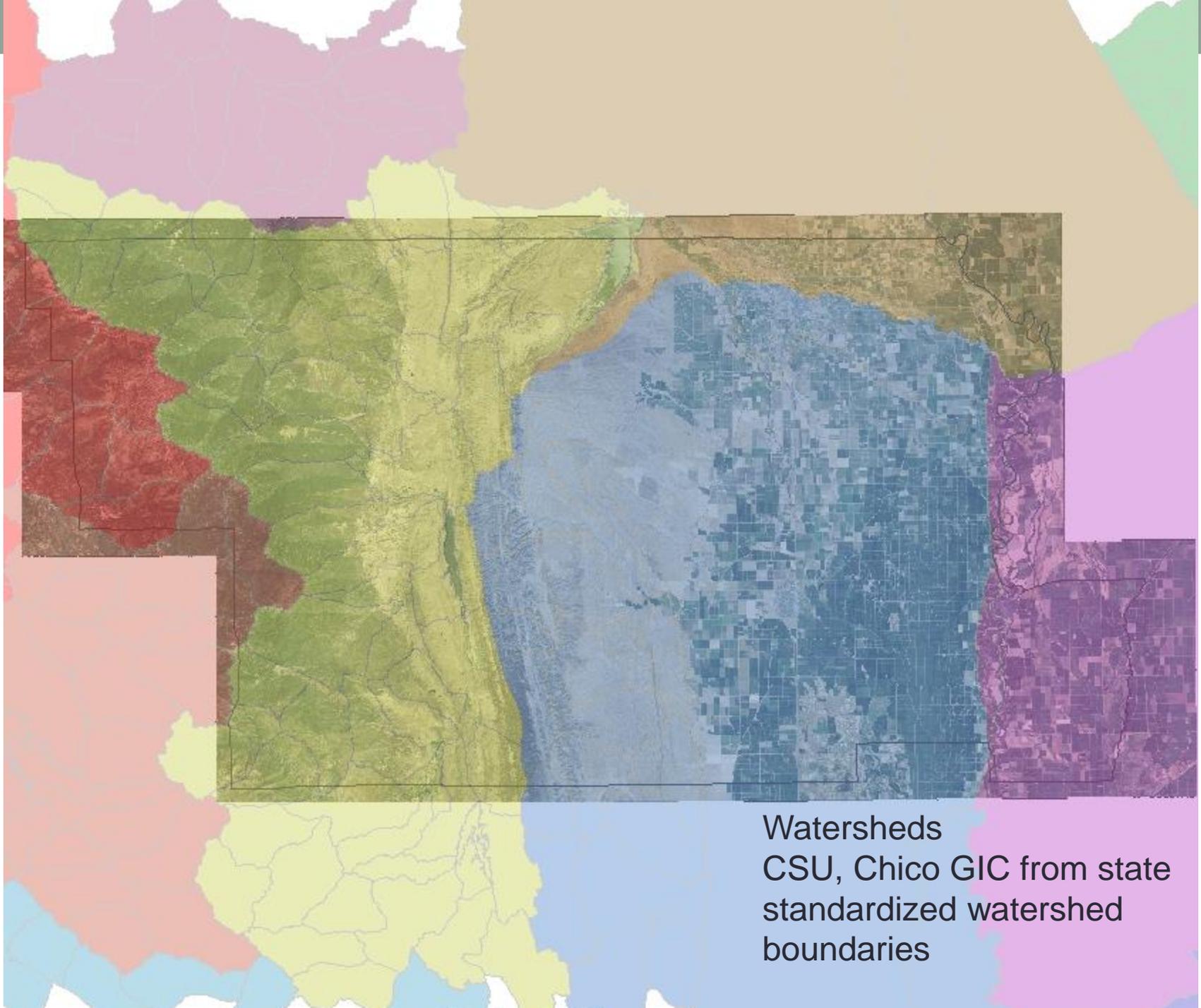
Major Roads and Towns



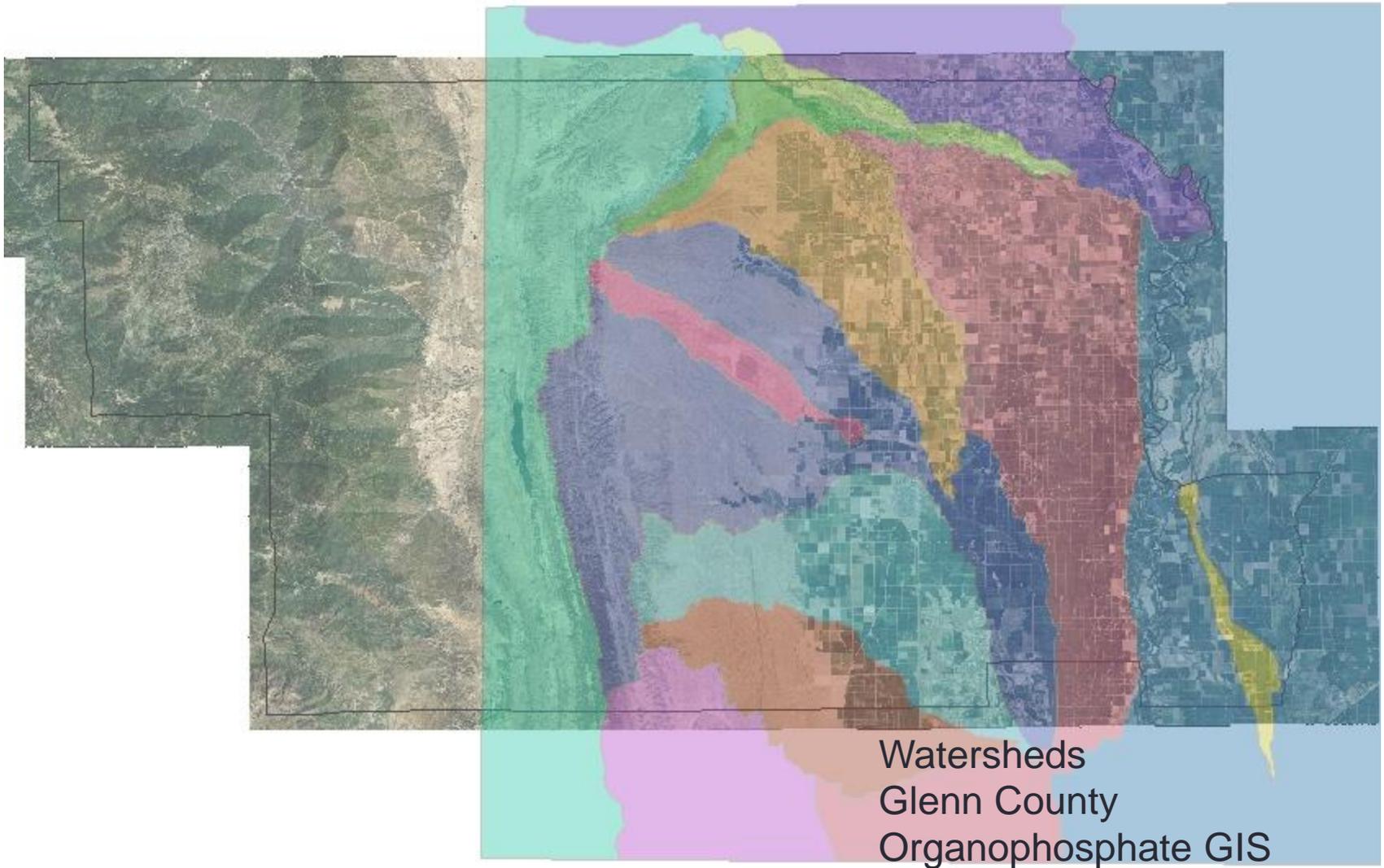
Well Distribution (2010)



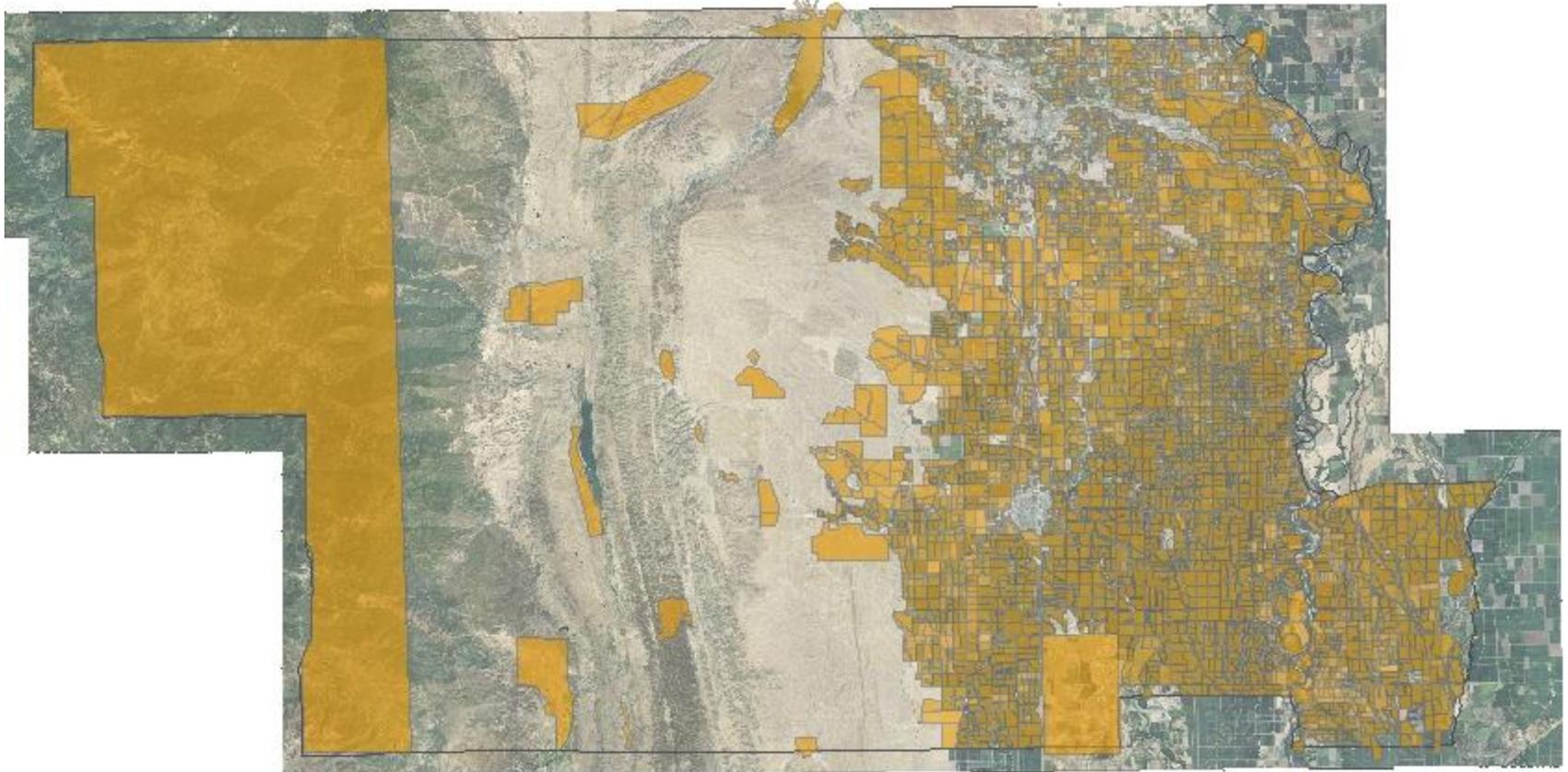
CASGEM (yellow) and
Observation (green) Wells



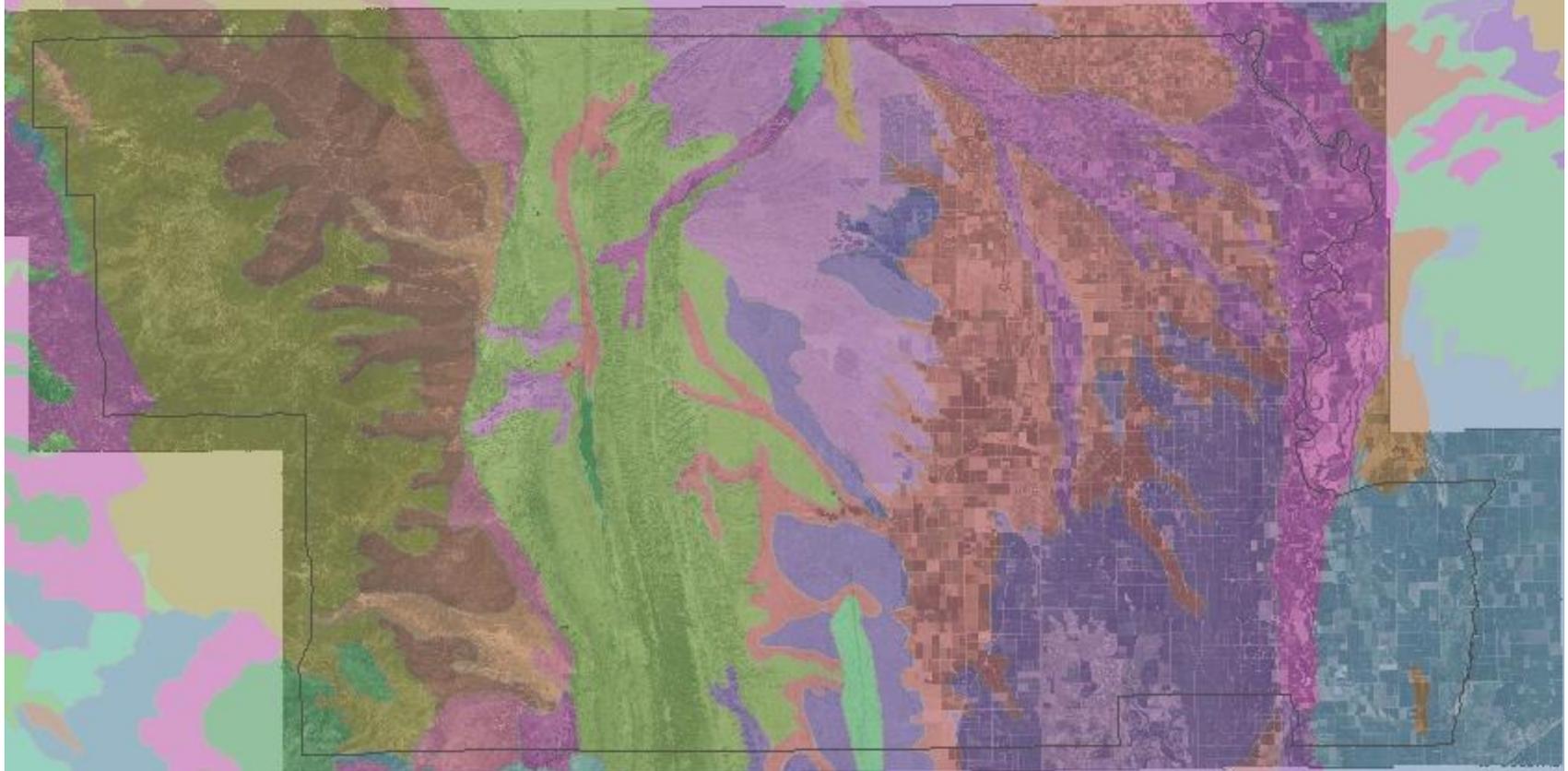
Watersheds
CSU, Chico GIC from state
standardized watershed
boundaries



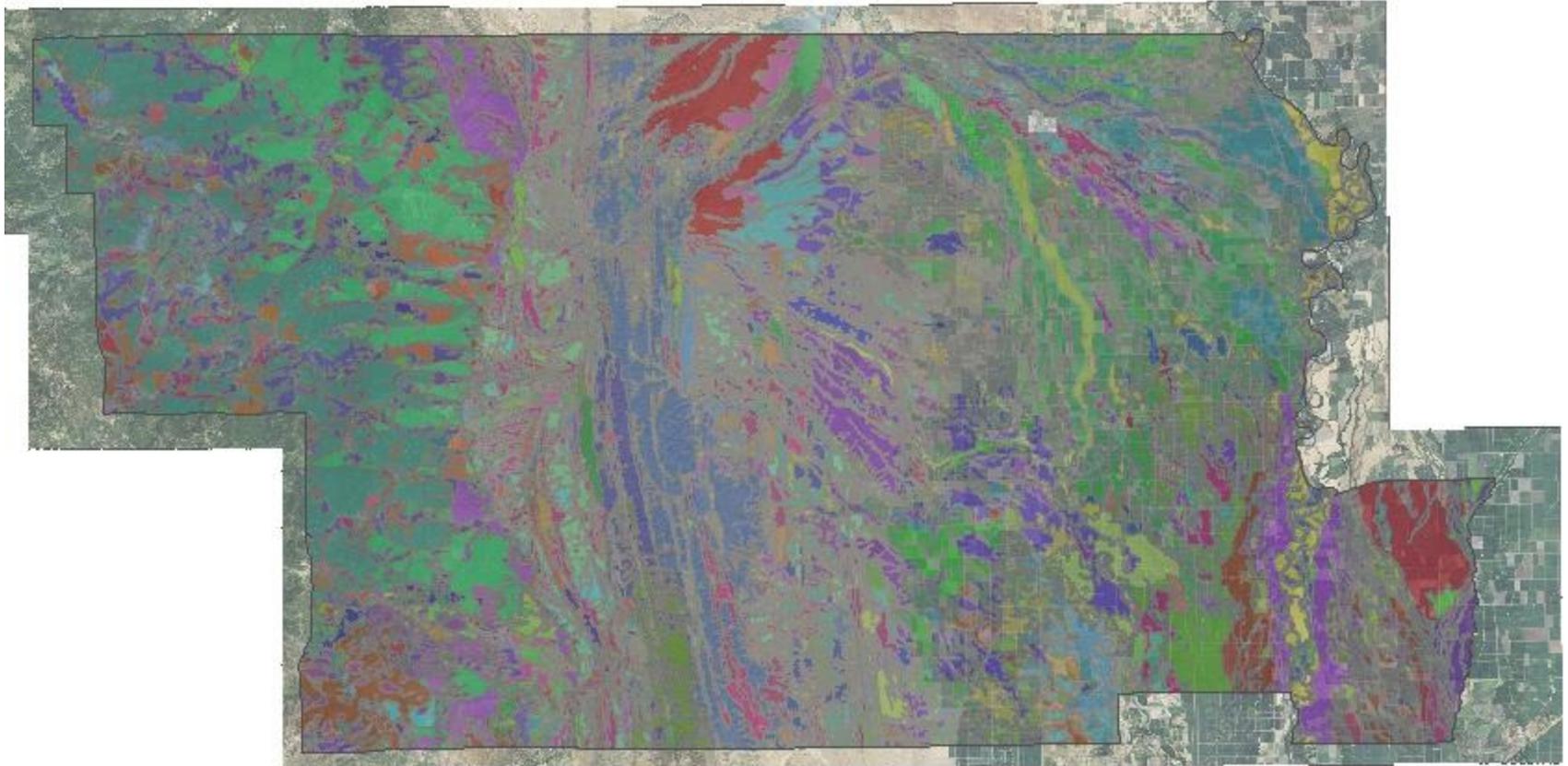
Watersheds
Glenn County
Organophosphate GIS



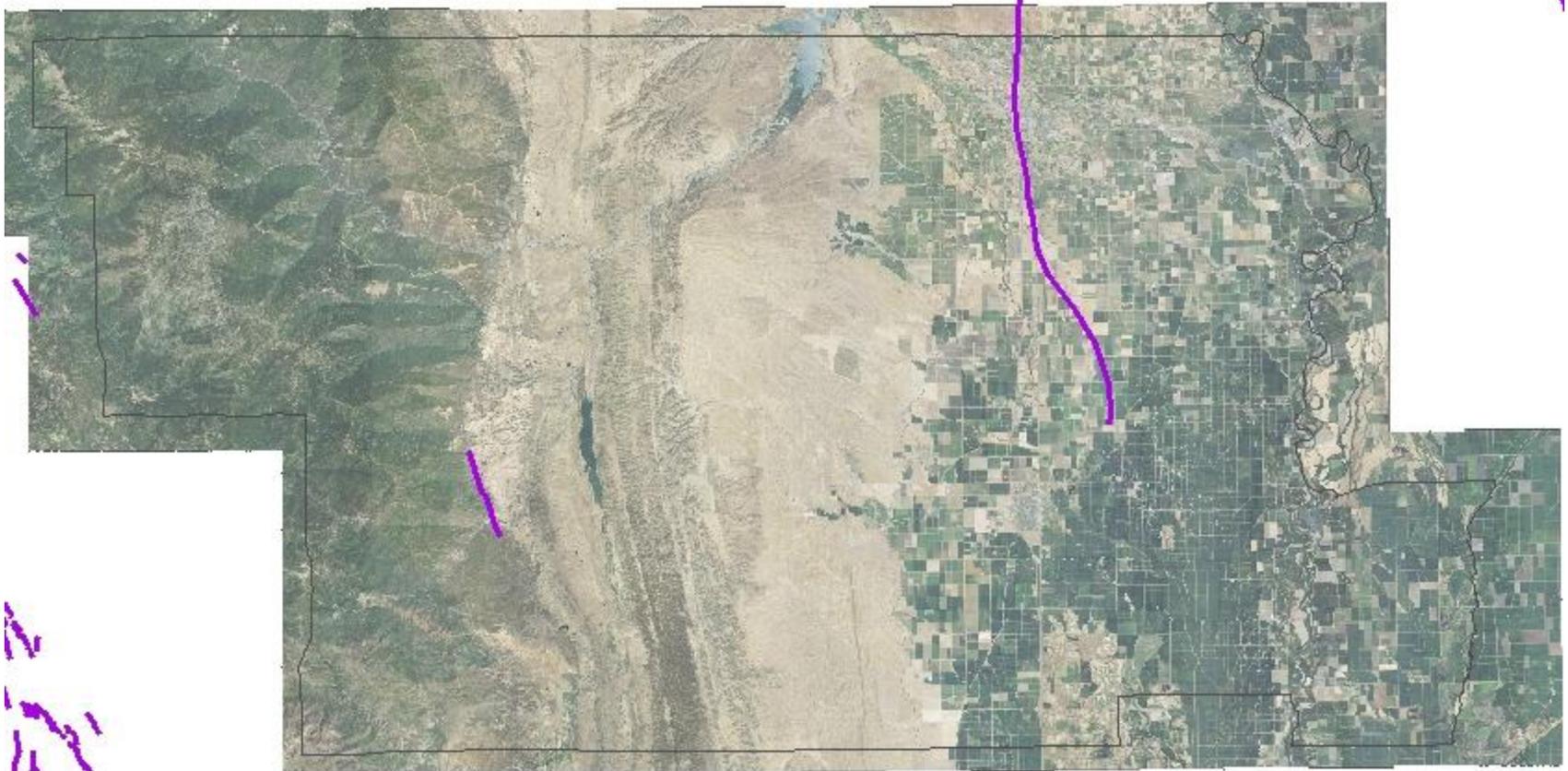
Agricultural Fields with
Pesticide Permits
(April 2014)



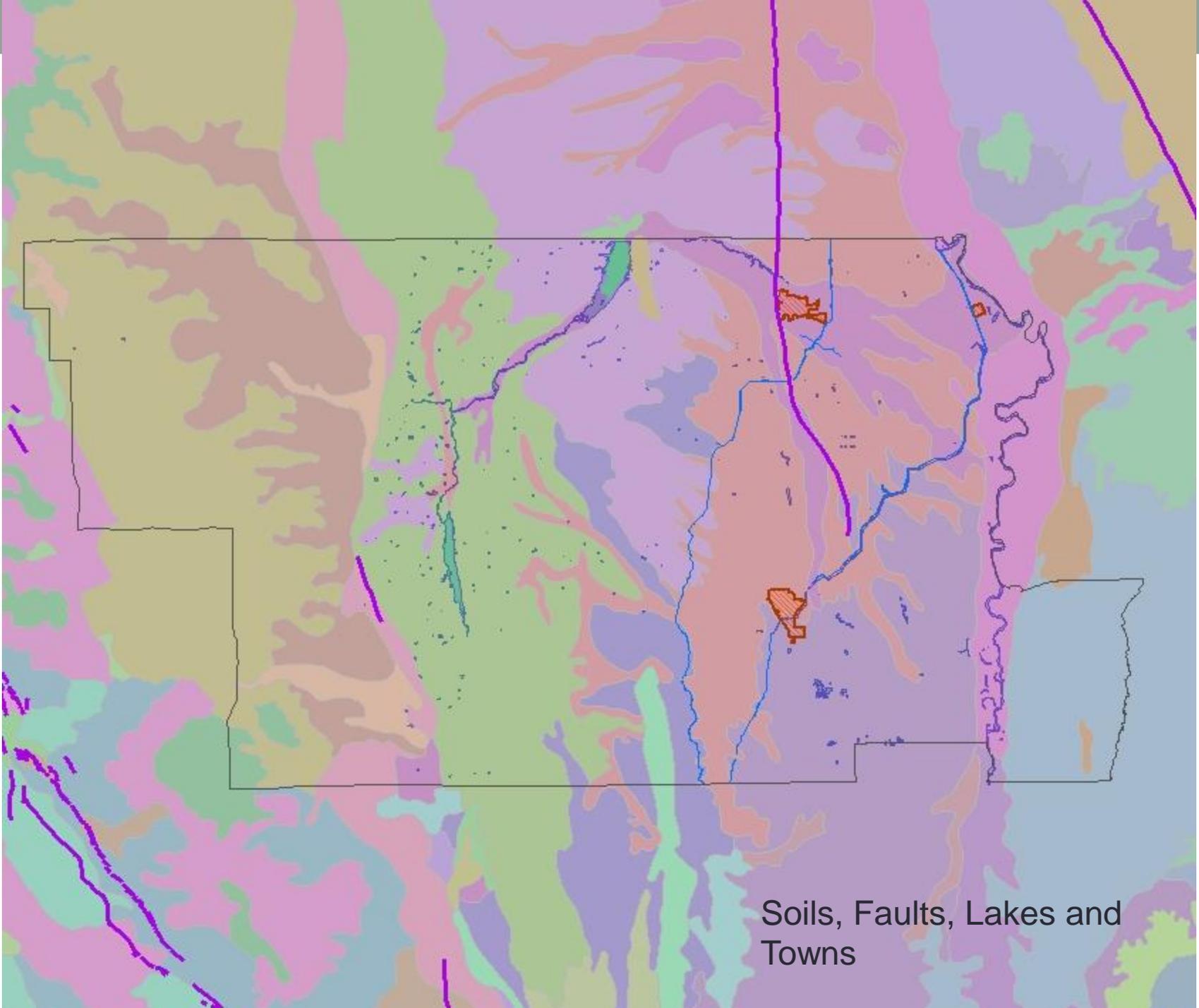
Soils and Satellite Images
Soils-USDA



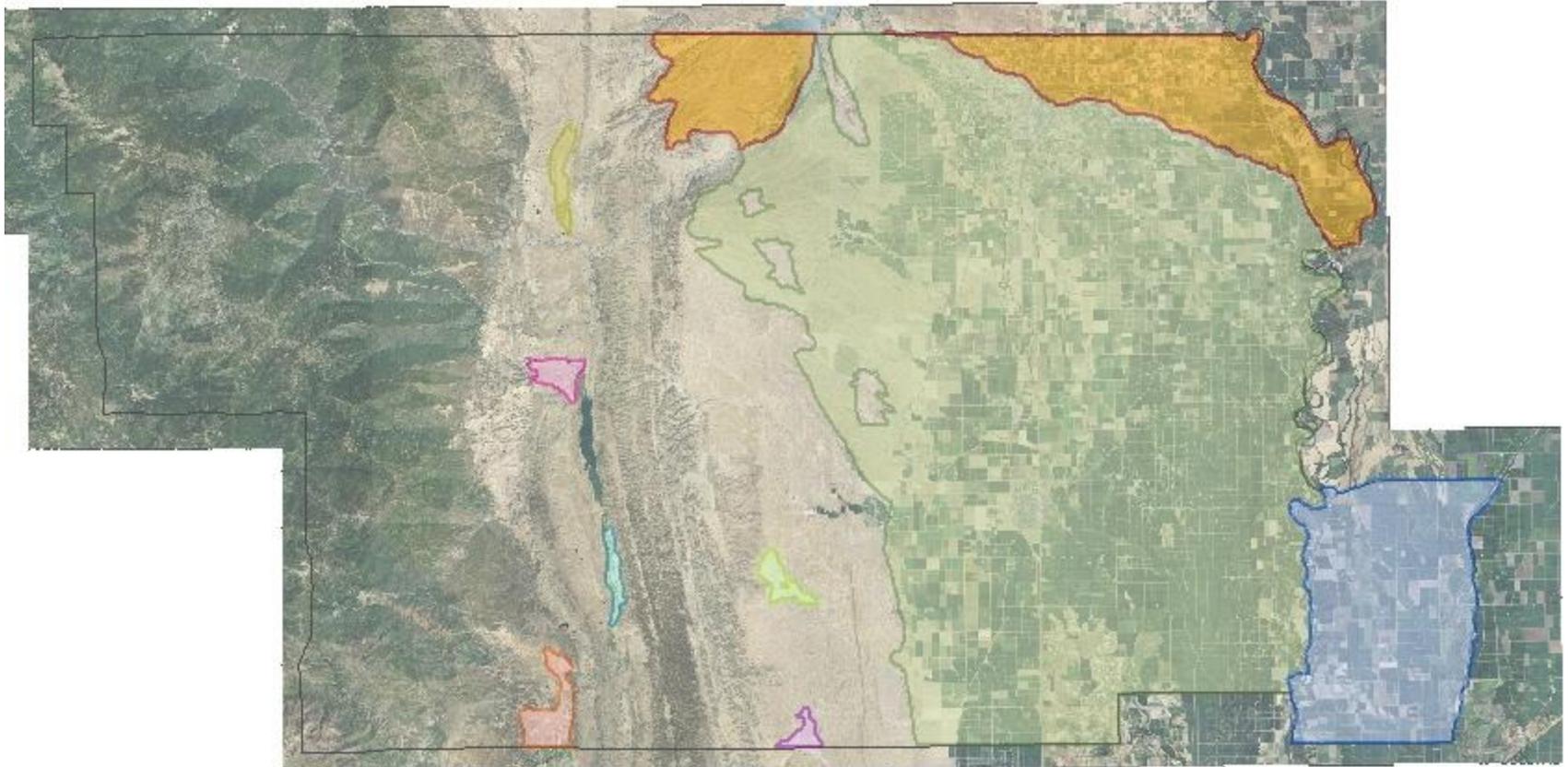
Soils and Satellite Images
Soils-NRCS



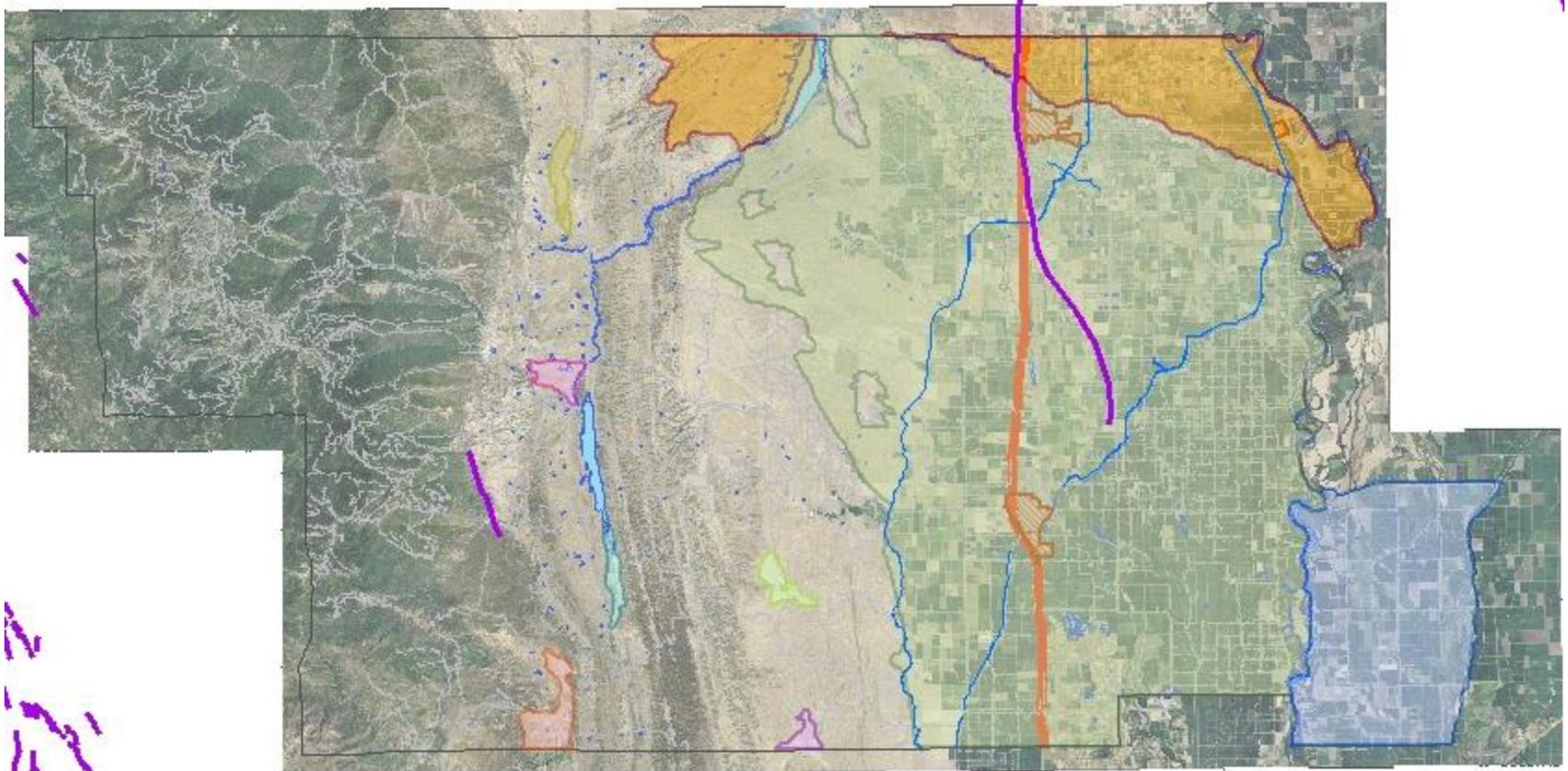
Faults
USGS and California
Geologic Survey (CGS)



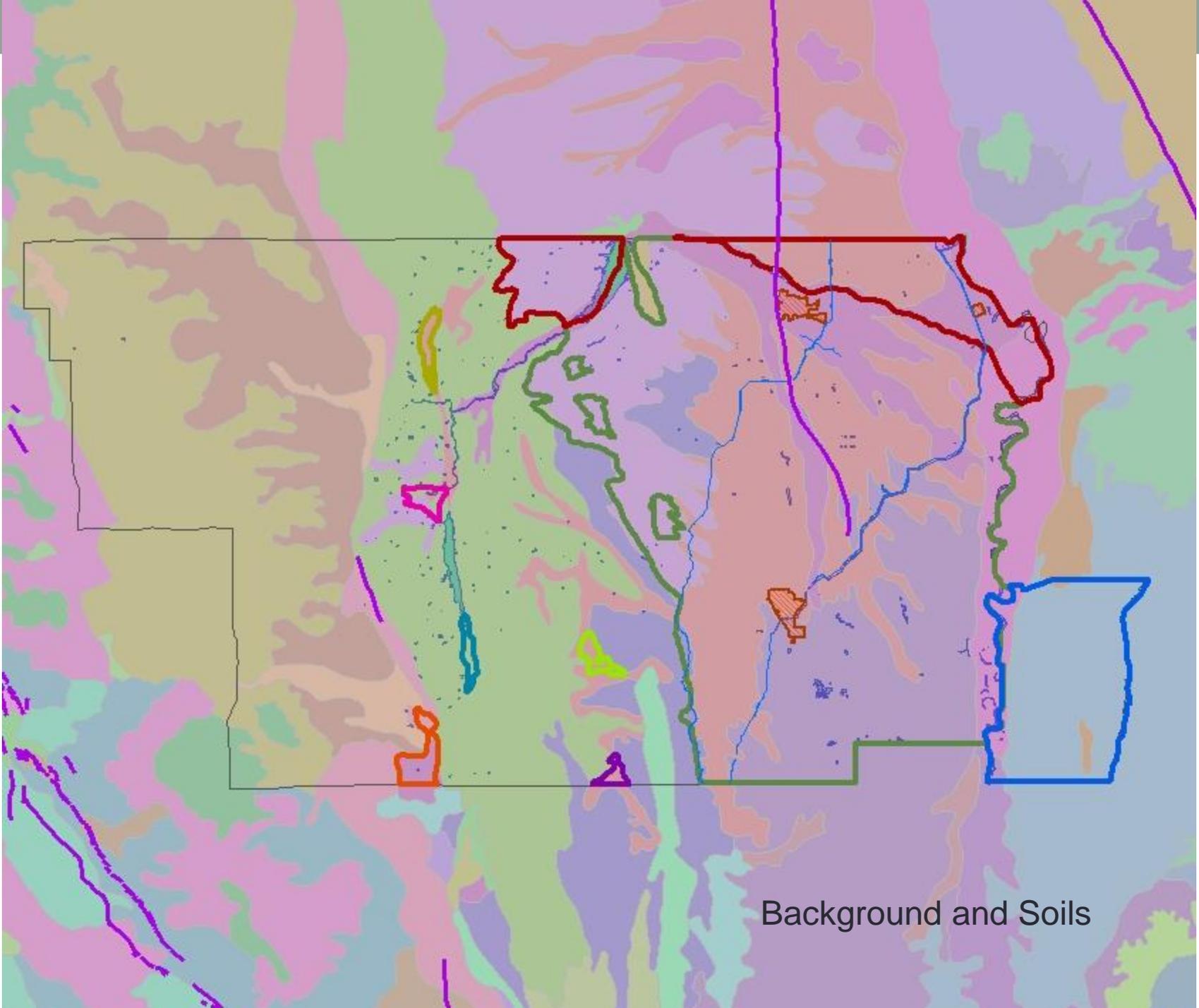
Soils, Faults, Lakes and
Towns



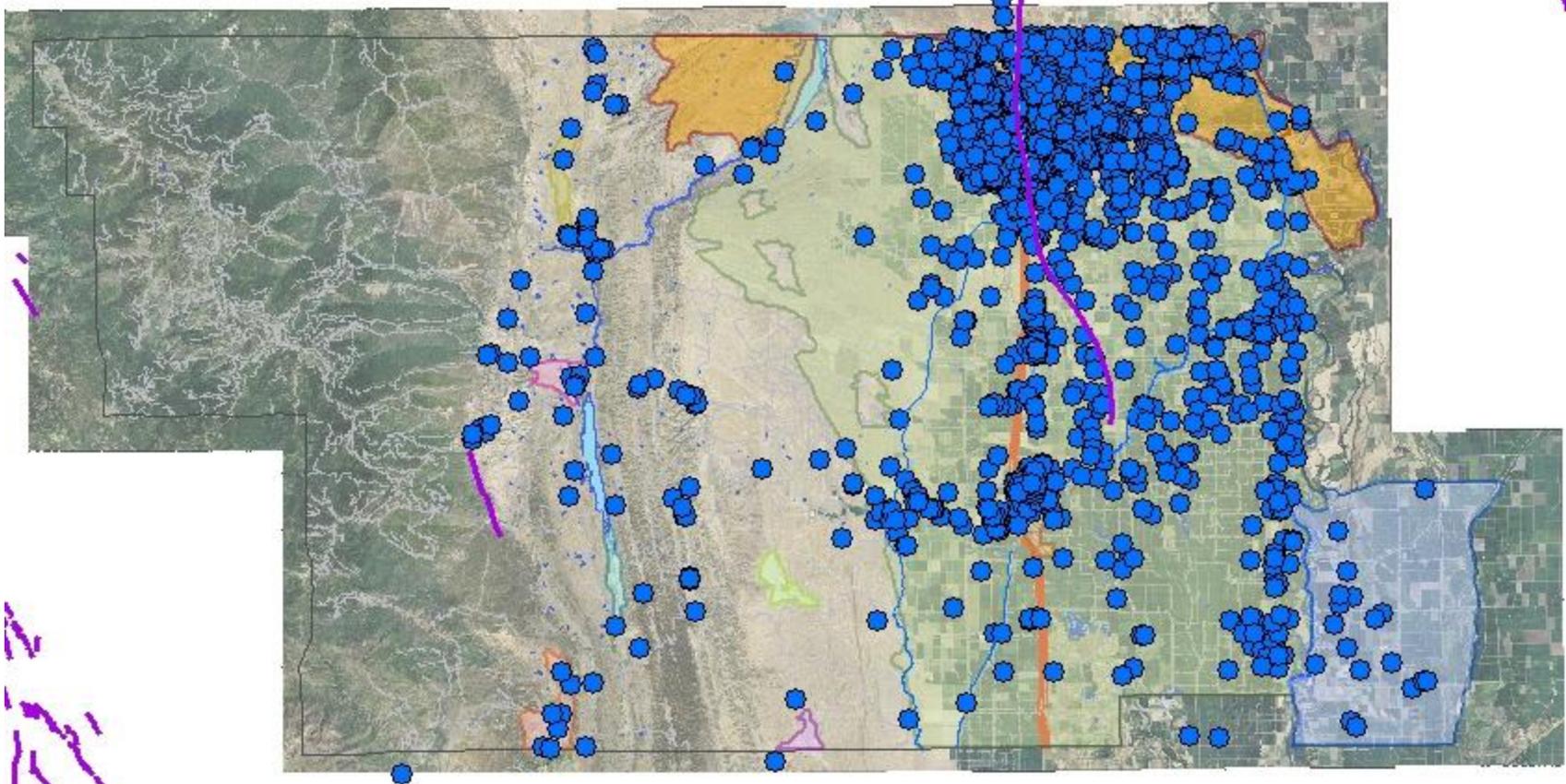
Bulletin 118 Groundwater Basins



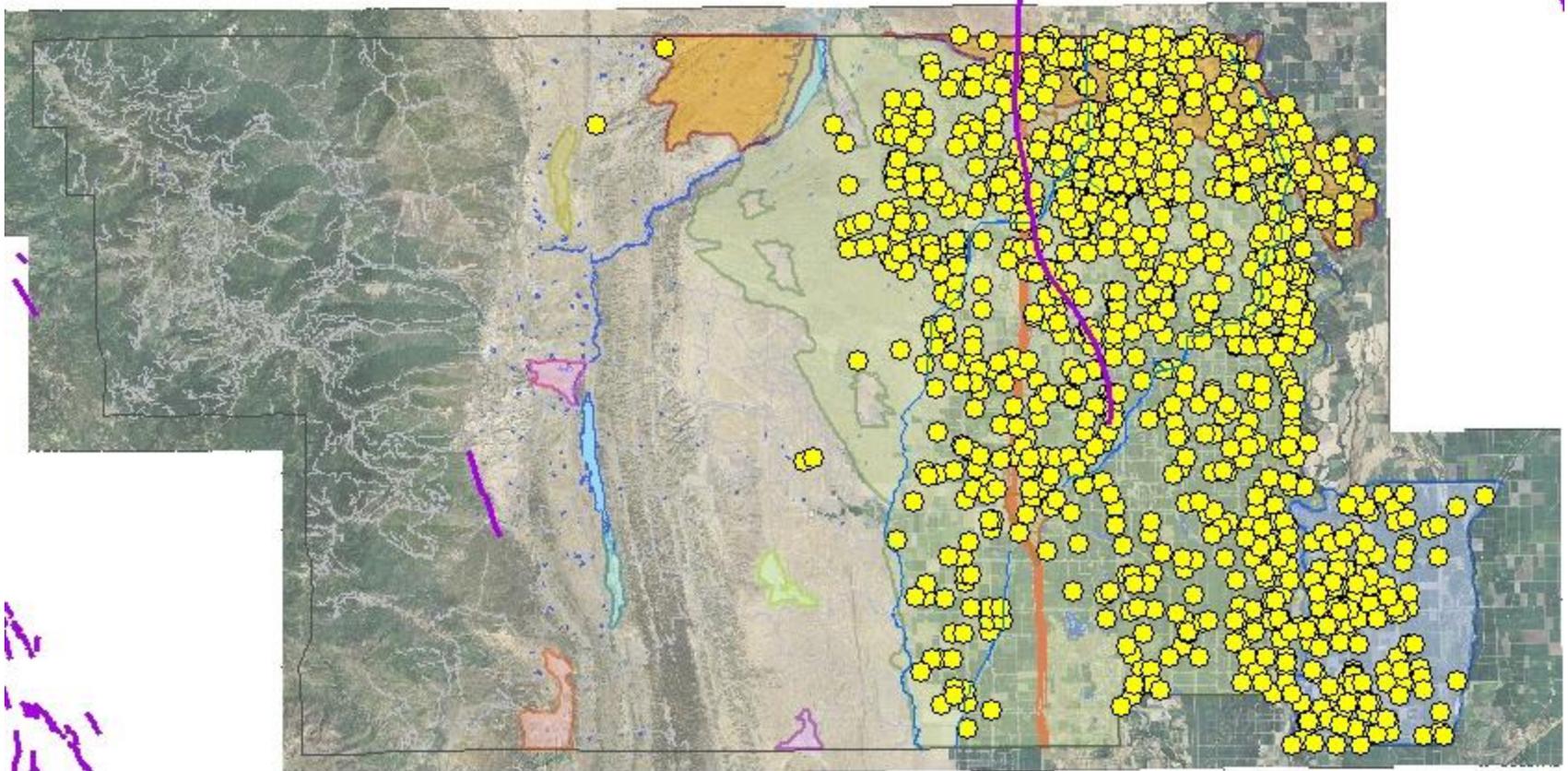
Groundwater Basins,
Lakes, Faults, Canals
(Background)



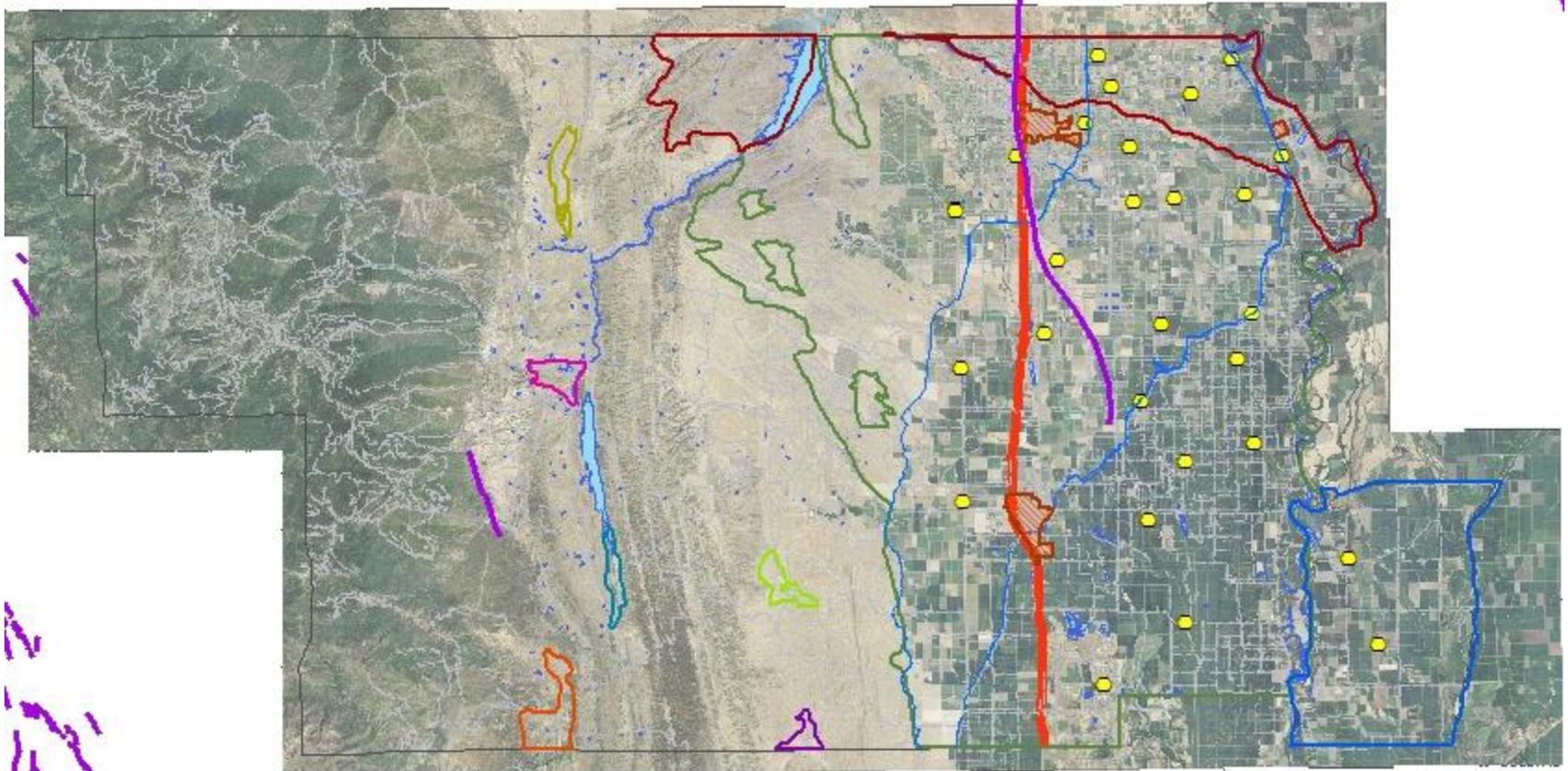
Background and Soils



Domestic Well Distribution
(2010)



Irrigation Well Distribution
(2010)



Background and CASGEM
Wells

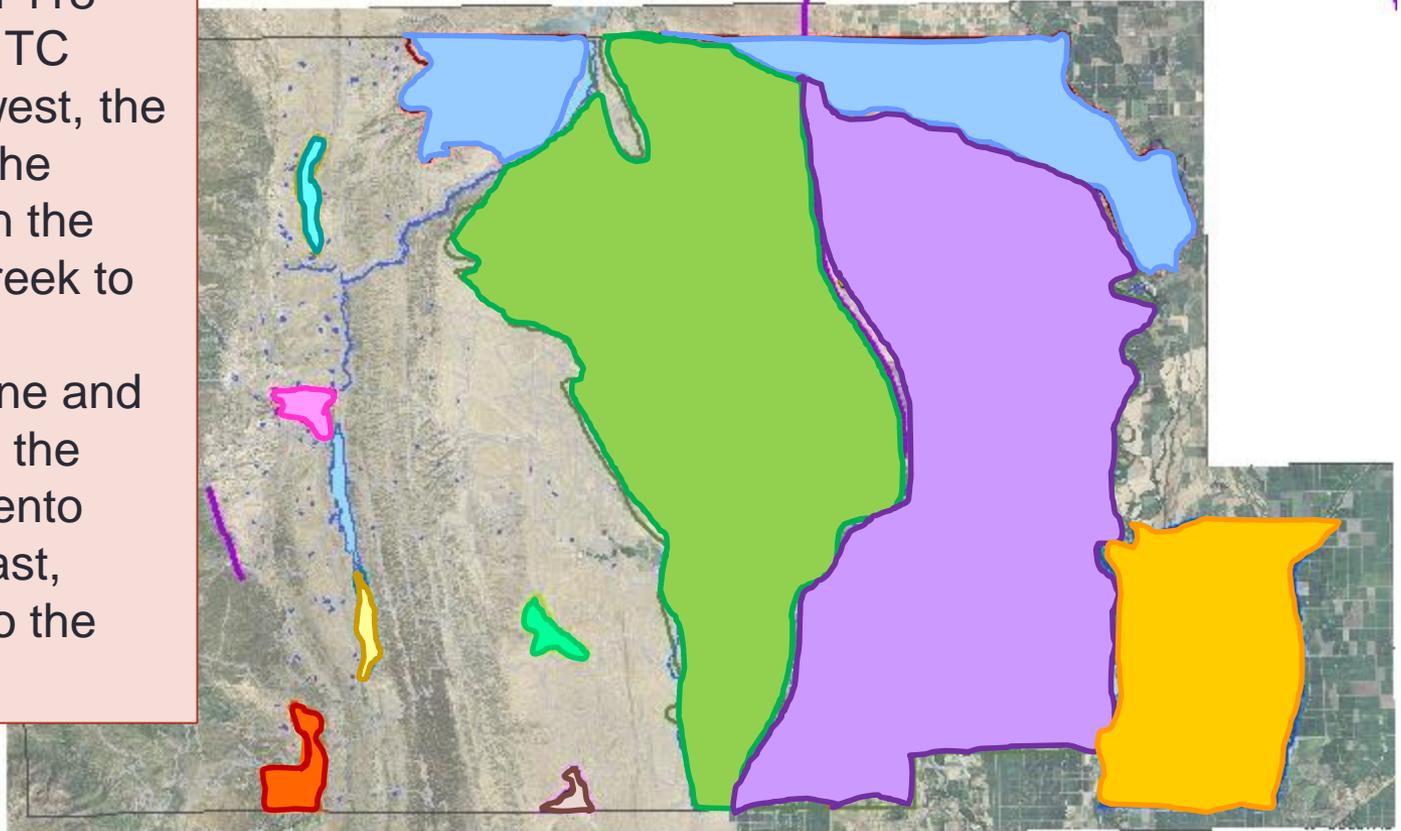
Considerations for Boundaries

- DWR's Bulletin 118 Groundwater Basins
- Sacramento River and Stony Creek
- Canals
- Fault lines
- Soils
- Land use
- Density of wells-domestic/ag
- Watersheds
- Potential groundwater sustainability legislation

Considerations for Boundaries

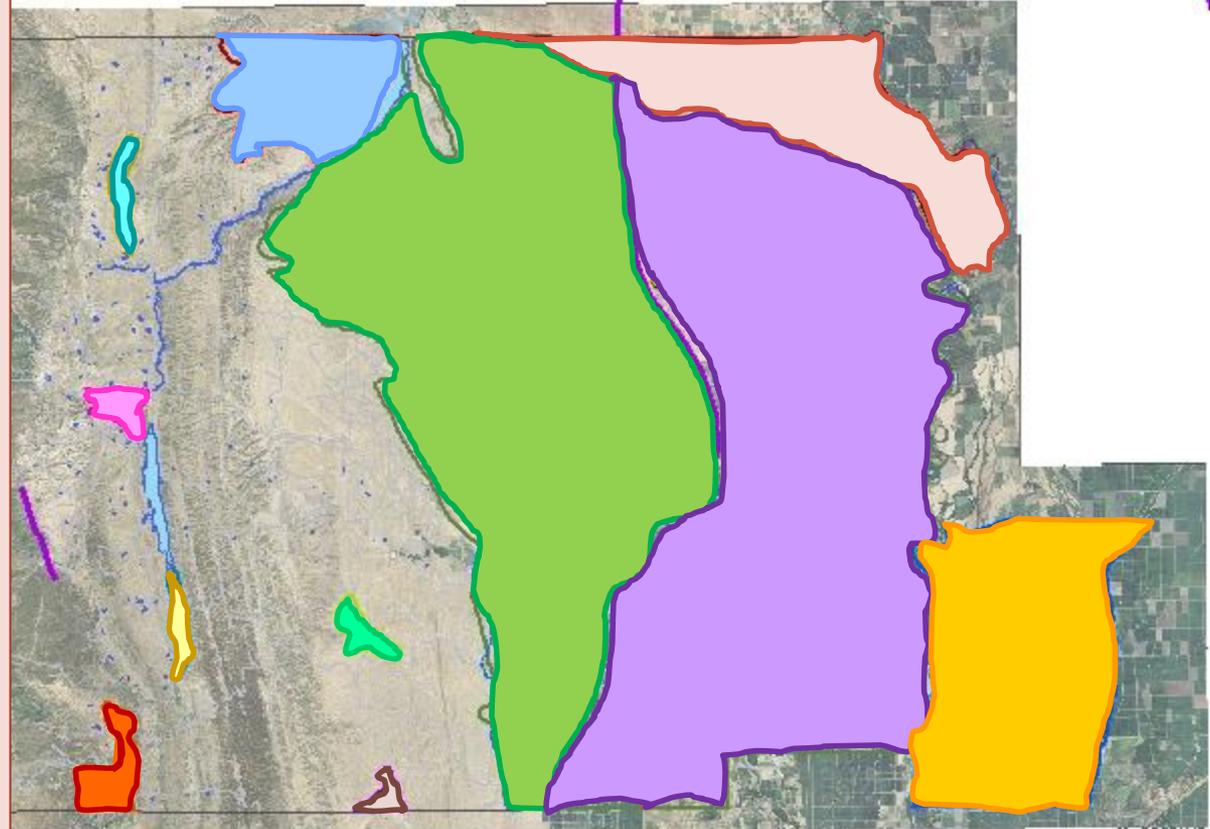
- Separate management areas for each foothill basins identified in Bulletin 118 (same in all recommendations).
- Corning Basin may remain the same management area (as identified in Bulletin 118) or divided into east and west portions due to differences in well density, land use, soils, watersheds, and location.
- West Butte Basin identified in Bulletin 118 (east of Sacramento River) should be a separate management area (same in all recommendations).
- The Colusa Basin as identified in Bulletin 118 should be sub-divided.
- Additional management area for non-alluvial basins (the rest of the County).

- Blue-Corning Basin as one basin using Bulletin 118 boundary
- Green-Bulletin 118 boundary and TC canal on the west, the fault line and the GCID canal on the east, Stony Creek to the north
- Purple-Fault line and GCID canal to the west, Sacramento River to the east, Stony Creek to the north



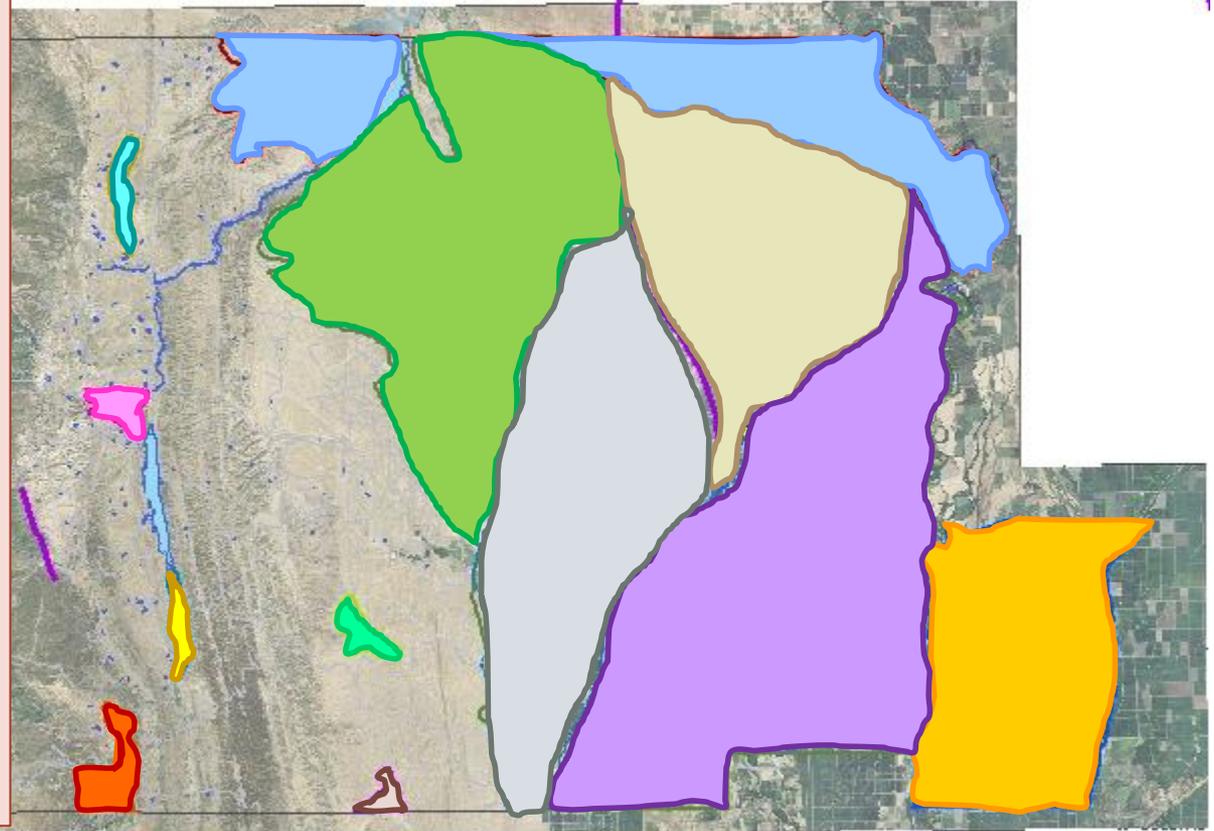
Recommendation 1

- Blue-West Corning Basin using Bulletin 118 and County line as boundaries
- Peach-East Corning Basin using Bulletin 118 and County line as boundaries
- Green-Bulletin 118 boundary and TC canal on the west, the fault line and the GCID canal on the east, Stony Creek to the north
- Purple-Fault line and GCID canal to the west, Sacramento River to the east, Stony Creek to the north



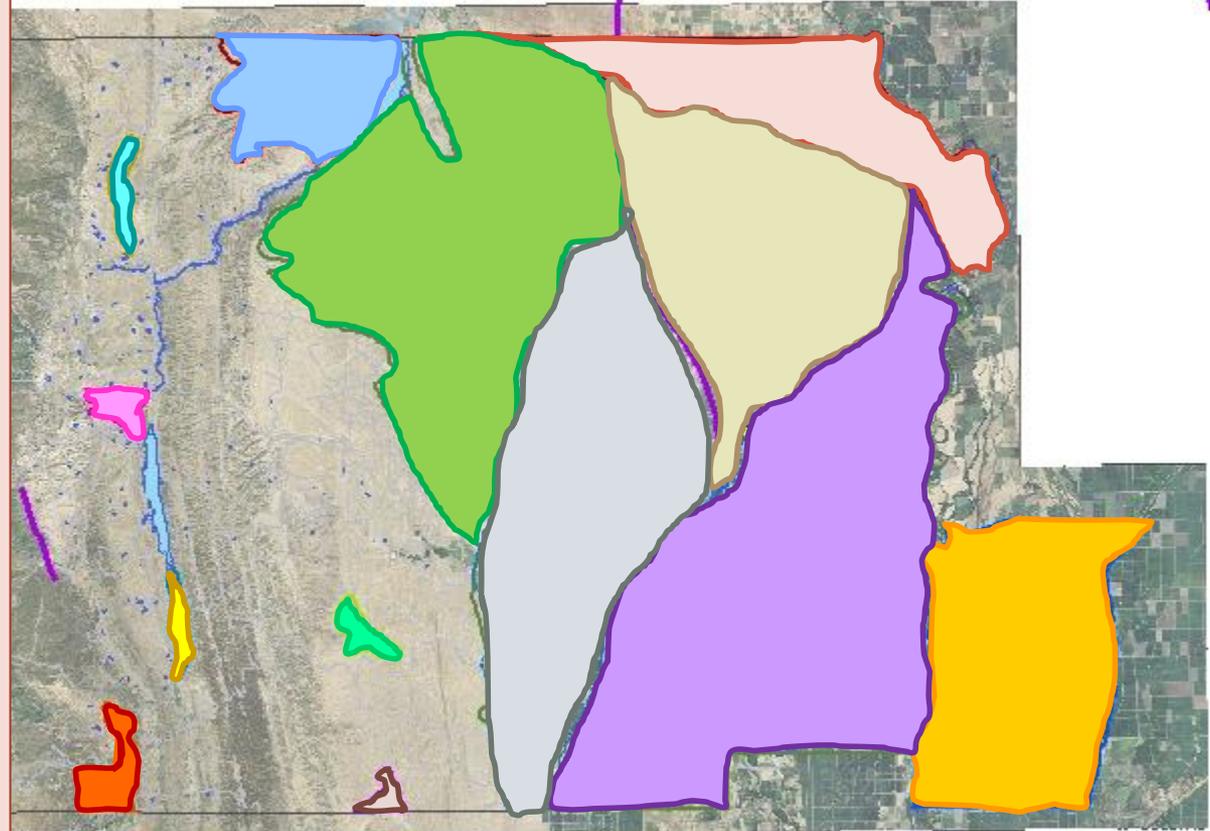
Recommendation 2

- Blue-Corning basin as one basin using Bulletin 118 boundary
- Green-Bulletin 118 boundary on the west, the fault line and the TC Canal to the east, and Stony Creek to the north
- Grey-Fault line and GCID canal to the east, TC canal and Bulletin 118 boundary to the west
- Tan-Stony Creek to the north, fault line to the west, and GCID canal to the east
- Purple-GCID canal to the west, Sacramento River to the east, Stony Creek to the north



Recommendation 3

- Blue-West Corning Basin using Bulletin 118 and County line as boundaries
- Peach-East Corning Basin using Bulletin 118 and County line as boundaries
- Green-Bulletin 118 boundary on the west, the fault line and the TC Canal to the east, and Stony Creek to the north
- Grey-Fault line and GCID canal to the east, TC canal and Bulletin 118 boundary to the west
- Tan-Stony Creek to the north, fault line to the west, and GCID canal to the east
- Purple-GCID canal to the west, Sacramento River to the east, Stony Creek to the north



Recommendation 4

OTHER THOUGHTS AND
SUGGESTIONS??
