

CASGEM Compliance

The California Statewide Groundwater Elevation Monitoring (CASGEM) program eligibility for the three projects can be determined based on the following:

Only one of the three proposed projects, Project 1, involves the diversion and conveyance of surface water from sources located outside of North Kern's boundary, as well as outside the Poso Creek IRWM boundary. This project, specifically, involves making canal lining improvements to the Calloway Canal, a regional conveyance canal, starting south North Kern and extending northwest.

Project latitude: 35DD, 38MM, 17SS

Project longitude: 119DD, 18MM, 13SS

A service area boundary GIS shape file must be provided.

Name of groundwater basin that each project overlies. State the basin priority as determined by the CASGEM Program.

The locations of each of the three proposed projects, specifically North Kern and the Cities of McFarland and Lost Hills (LHUD), overlie the Kern County Subbasin of the Tulare Lake Basin, which is part of the Central Valley aquifer system. DWR Bulletin 118 (2003 Update) identifies the Kern County Subbasin as No. 5-22.14. It is noted that these sub-basins exist more for water accounting convenience than for any hydrogeologic conditions.

According to CASGEM Basin Prioritization (June 2014), the Kern County Subbasin is designated as "high priority" within the South Central Region (Ranking Score of 22.5). This subbasin is one of twenty-one basins which rank as high priority in this Region; all of these rated basins combine for 94-percent of groundwater use and 90-percent of the overlying population. Principal concerns according to this study include large quantities of land subsidence, groundwater overdraft concerns, and water quality degradation.

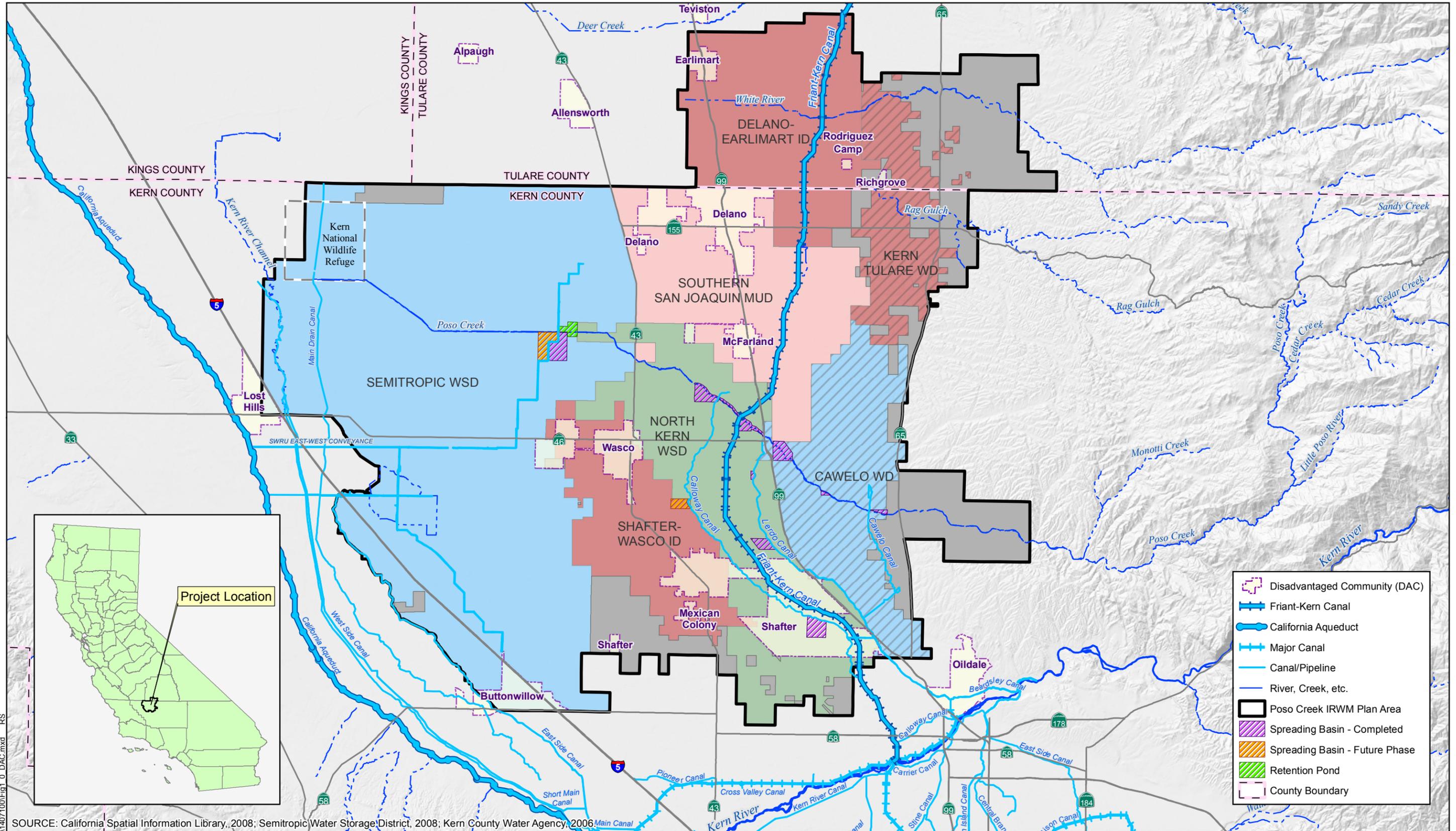
It is worth noting that North Kern is a proposed monitoring entity for the NKWSD service area receiving delivery of water from this project within the basin.

If the applicant or project proponent in the process of becoming a monitoring entity, please discuss the current status and list any issues that need to be resolved in order to become a monitoring entity.

North Kern was approved as a CASGEM "Conditionally Designated Monitoring Entity" (i.e., monitoring agency for specific sub-basins, sections, etc.), specifically for the North Kern portion of the Kern County Sub-basin, in September, 2011. North Kern has since submitted a CASGEM plan to the DWR in June, 2013 indicating groundwater monitoring practices and programs used in the district. Since the submittal of the CASGEM plan by North Kern, the DWR has completed two levels of review. As such, all issues with the submitted CASGEM plan have been resolved and the plan has been resubmitted to the DWR (as of June, 2014). Assuming the issues are reconciled, North Kern would get

approval for becoming a groundwater monitoring entity.

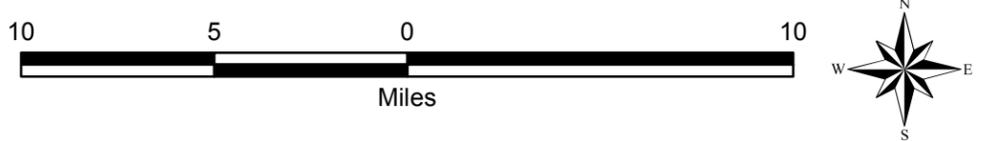
Both LHUD and McFarland service areas which are designated DACs, in accordance with CWC Section 79505.5(a) and based on 2010 US Census Data (Section 3.9 of Plan Update). As such, these entities are not in the process of becoming a CASGEM monitoring entity.



- Disadvantaged Community (DAC)
- Friant-Kern Canal
- California Aqueduct
- Major Canal
- Canal/Pipeline
- River, Creek, etc.
- Poso Creek IRWM Plan Area
- Spreading Basin - Completed
- Spreading Basin - Future Phase
- Retention Pond
- County Boundary

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SOURCE: California Spatial Information Library, 2008; Semitropic Water Storage District, 2008; Kern County Water Agency, 2006



**Poso Creek IRWM
Drought Grant Proposal**

Poso Creek IRWMP Region



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JULY 2014

FIGURE 1.0