

1.9 California Statewide Groundwater Elevation Monitoring (CASGEM) Compliance

A regional map showing implementing agency boundaries in relation to the CASGEM Groundwater Basins is shown in **Figure 1.9-1**. A summary table of CASGEM compliance by proponent is provided in **Table 1.9-1**. A GIS Shapefile of the agency boundaries are included as a zip file and listed as **Appendix 1.9-A** (the City of Tehachapi is shown for reference as it receives some benefit from the GHCS D Project). CASGEM compliance by the project proponents is discussed in the following sections.

Table 1.9-1: CASGEM Status for Basin

Project Proponent	CASGEM Monitoring Entity	Groundwater Basin Name	Basin Priority	Project Latitude/ Longitude
BVWSD	BVWSD	Kern County Sub-Basin of the San Joaquin Valley Groundwater Basin (5-22.14)	High	35°19'50" N, 119°23'11" W
GHCS D	TCCWD	Tehachapi Valley West (5-28)	Medium	35°06'52" N, 118°25'09" W
		Tehachapi Valley East (6-45)	Very Low	
LOWMWC (DAC)	None	Cuddy Ranch Area (5-83)	Very Low	34°49'14" N, 118°59'57" W

BVWSD

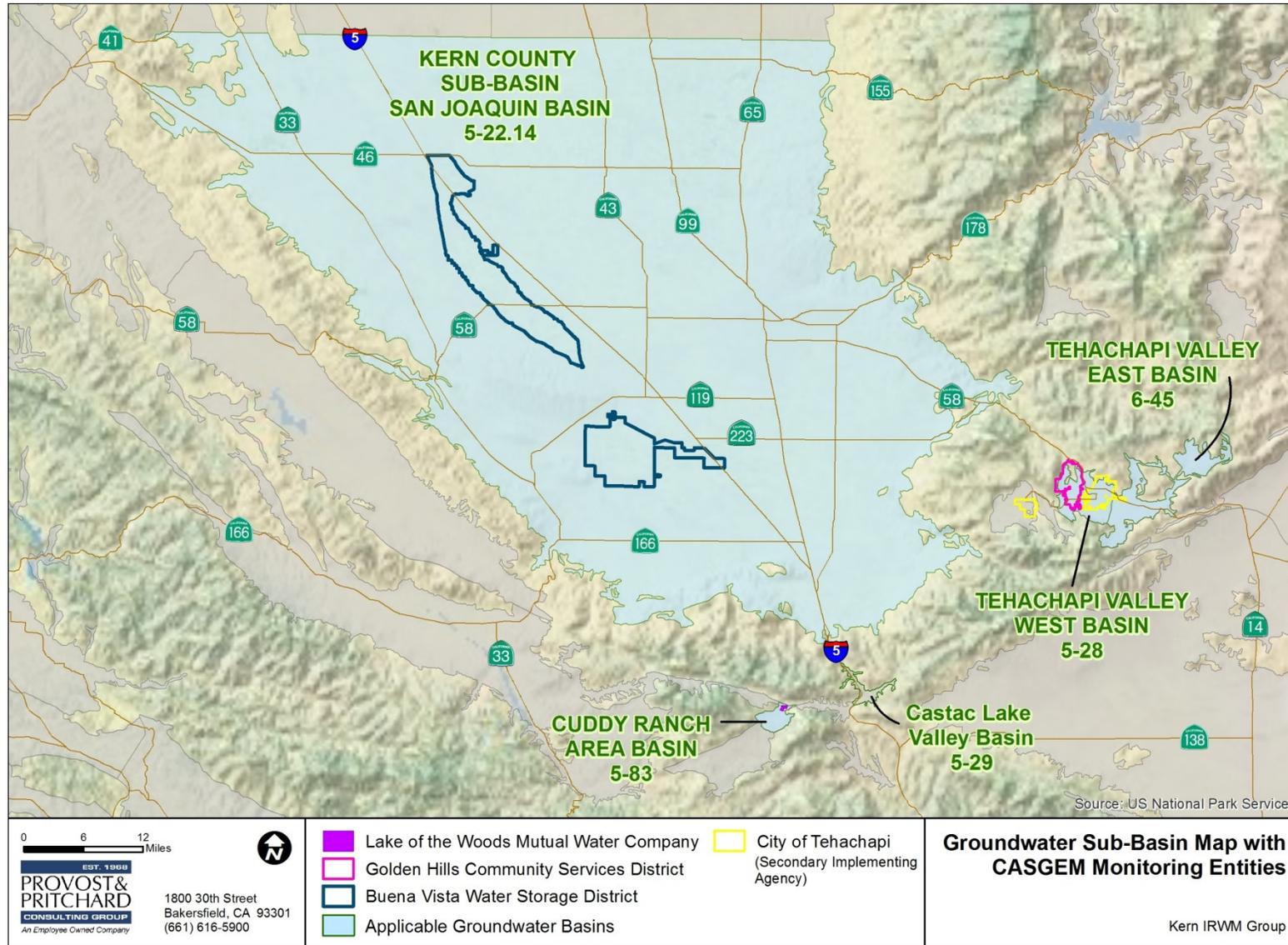
BVWSD and the project is located in the Kern County Subbasin (Groundwater Basin Number 5-22.14 per DWR Bulletin 118) of the San Joaquin Valley Groundwater Basin. Under the CASGEM Groundwater Basin Prioritization the Kern County Subbasin has been categorized as a High priority basin due to the reliance of the local population and agricultural economy on groundwater. In December 2011, BVWSD was designated as a CASGEM monitoring entity as part of the Kern River Fan Group. BVWSD uploads groundwater level data into the CASGEM database quarterly.

GHCS D

The GHCS D District Boundary and all of its existing wells are located within the Tehachapi Valley West Basin (Basin No. 5-28), which has been categorized as a medium priority basin under CASGEM. The Project pipeline spans into the Tehachapi Valley East Basin (Basin No. 6-45, a Very Low Priority basin) to where the proposed well is located approximately 1,000 feet to the east of the Basin boundary. As Watermaster for both basins, Tehachapi-Cummings County Water District (TCCWD) has taken the lead to be the designated CASGEM Monitoring Entity. TCCWD received notification from DWR on August 5, 2015 that TCCWD is the CASGEM Monitoring Entity for both basins.

LOWMWC

The entire service area of LOWMWC is a DAC as described in Attachment 7 and is therefore not required to demonstrate CASGEM compliance. Furthermore, the LOWMWC is located in the Cuddy Ranch Area groundwater basin which is designated as a very low priority basin under CASGEM. It should be noted that the Water Company hauls water purchased from the Lebec County Water District located about five miles east in the Castaic Lake Valley Groundwater Basin (Basin No. 5-29, also a Very Low Priority CASGEM Basin) to supplement the Water Company's water supply during the summer months.



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Figure 1.9-1: CASGEM Monitoring Entities for Proponent Project Areas