

CASGEM BASIN SUMMARY

Basin: UPPER SANTA ANA VALLEY

Hydrologic Region: South Coast
 South Region Office (SRO)
 Basin Area: 23654 acres (37 miles)
 2010 Population: 141436

Sub_Basin: TEMESCAL
 Basin Number: 8-2.09
 Date: 5/30/2014

DATA COMPONENT RANKING VALUE TABLE

Data Component	Ranking Range (R)	Units	Ranking Value	Confidence Adjustment	Average of Components	Adjusted Ranking Values
1. Population	$2500 \leq R < 4000$	persons/sq-mi	4			4
2. Population Growth	$6 \leq R < 15$	percent	2			2
3. Public Supply Wells	$0.25 \leq R < 0.5$	wells/sq-mi	3			3
4. Total Wells	$10 \leq R < 20$	wells/sq-mi	4	3		3
5. Irrigated Acreage	$1 \leq R < 25$	acres/sq-mi	1			1
6. GW Reliance	GW Use	$R \geq 0.75$	acre-foot/acre	5	4.5	4.5
	% of Total Supply	$60 \leq R < 80$	percent	4		
7. Impacts*	--	--	2			2
8. Other Information**	--	--	0			0
Overall Basin Ranking Score	$13.42 \leq R <$	--				19.5

Overall Basin Priority: Medium

Very Low Ranking Range	Low Ranking Range	Medium Ranking Range	High Ranking Range
Range < 5.75	$5.75 \geq \text{Range} < 13.42$	$13.43 \geq \text{Range} < 21.08$	Range ≥ 21.08

Data Sources and Calculation Notes:

1. Population: Department of Finance 2010 census data.
2. Population Growth: Department of Finance 2010 census data projected to 2030.
3. Public Supply Wells: Department of Public Health, 2012 Drinking Water Supply Database.
4. Total Wells: DWR 2012 Well Master database.
5. Irrigated Acreage: DWR, most recent land use projection and public comment feedback.
6. Groundwater Reliance: DWR, most recent land use projection and public comment feedback.
7. Documented Impacts: DWR Region staff review of DWR Bulletin 118-2003, Groundwater Management Plans, public comment feedback, or other readily available published information.
8. Other Information: DWR Region staff review of DWR Bulletin 118-2003, Groundwater Management Plans, public comment feedback, or other readily available published information.
9. Data component values were reduced by 25% due to data confidence, prior to calculating total groundwater basin ranking value.
10. Overall Basin Ranking = Population + Population Growth + Public Supply Wells + (Total Wells x .75) + Irrigated Acreage + (Groundwater Use + % of Total Supply)/2 + Impacts + Other information

Notes on UPPER SANTA ANA VALLEY Basin

- * Impacts: Groundwater quality impaired by nitrates and inorganics in some wells (B-118).
- **Other Information: None