

CASGEM BASIN SUMMARY

Hydrologic Region: San Francisco Bay
 North Central Region Office (NCRO)
 Basin Area: 15459 acres (24.2 miles)
 2010 Population: 107878

Basin: YGNACIO VALLEY
 Sub_Basin: N/A
 Basin Number: 2-6
 Date: 5/30/2014

DATA COMPONENT RANKING VALUE TABLE

Data Component	Ranking Range (x)	Units	Ranking Value	Confidence Adjustment	Average of Components	Adjusted Ranking Values
1. Population	$x \geq 4000$	persons/sq-mi	5			5
2. Population Growth	$0 \leq x < 6$	percent	1			1
3. Public Supply Wells	$0.1 \leq x < 0.25$	wells/sq-mi	2			2
4. Total Wells	$x \geq 20$	wells/sq-mi	5	3.75		3.75
5. Irrigated Acreage	$1 \leq x < 25$	acres/sq-mi	1			1
6. GW Reliance	GW Use	acre-foot/acre	1		0	0
	% of Total Supply					
7. Impacts*	--	--	1			1
8. Other Information**	--	--	0			0
Overall Basin Ranking Score	$x < 5.75$	--				0.0

Overall Basin Priority: Very Low

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:

- Population: Department of Finance 2010 census data.
- Population Growth: Department of Finance 2010 census data projected to 2030.
- Public Supply Wells: Department of Public Health, 2012 Drinking Water Supply Database.
- Total Wells: DWR 2012 Well Master database.
- Irrigated Acreage: DWR, most recent land use projection and public comment feedback.
- Groundwater Reliance: DWR, most recent land use projection and public comment feedback.
- Documented Impacts: DWR Region staff review of DWR Bulletin 118-2003, Groundwater Management Plans, public comment feedback, or other readily available published information.
- Other Information: DWR Region staff review of DWR Bulletin 118-2003, Groundwater Management Plans, public comment feedback, or other readily available published information.
- Data component values were reduced by 25% due to data confidence, prior to calculating total groundwater basin ranking value.
- 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 YGNACIO VALLEY Basin

* Impacts: Hydrographs created from DWR well data indicate groundwater levels have declined gradually over the period of record.(B-118)

**Other Information: None