

CASGEM BASIN SUMMARY

Basin: INDIAN WELLS VALLEY

Sub_Basin: N/A

Hydrologic Region: South Lahontan

Basin Number: 6-54

South Region Office (SRO)

Date: 5/30/2014

Basin Area: 383492 acres (599.2 miles)

2010 Population: 34837

DATA COMPONENT RANKING VALUE TABLE

Data Component	Ranking Range (R)	Units	Ranking Value	Confidence Adjustment	Average of Components	Adjusted Ranking Values
1. Population	$7 \leq R < 250$	persons/sq-mi	1			1
2. Population Growth	$25 \leq R < 40$	percent	4			4
3. Public Supply Wells	$0 < R < 0.1$	wells/sq-mi	1			1
4. Total Wells	$0 < R < 2$	wells/sq-mi	1	0.75		0.75
5. Irrigated Acreage	$R < 1$	acres/sq-mi	0			0
6. GW Reliance	GW Use $0.03 \leq R < 0.1$ % of Total Supply $R \geq 80\%$	acre-foot/acre percent	1 5		3	3
7. Impacts*	--	--	5			5
8. Other Information**	--	--	0			0
Overall Basin Ranking Score	$13.42 \leq R <$	--				14.8

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 INDIAN WELLS VALLEY Basin

* Impacts: Overdraft has been documented since the 1960's. Water quality issues with respect to overdraft and mixing of aquifers.

**Other Information: None