

Soquel Creek Water District Summary

Soquel Creek Water District serves Capitola, Aptos and La Selva beach. The SqCWD believes that its long term water demand for its service area is 4,000 AF per year (1.3 Billion gallons per year) (Page 12/97)

Table 3-1: Changes to Demand Projections and Target Pumping since 2006 IRP			
Changes	2006	2012	Potential Effects on Water Supply Planning
<p>Updated demand projections through 2030</p>	<ul style="list-style-type: none"> In the 2006 IRP, the District's projected water demand for 2030 was 5,640 afy (with conservation). 	<ul style="list-style-type: none"> In the 2010 UWMP, the District's projected water demand for 2030 is 4,830 afy before factoring in additional conservation to reduce demand 4,120 afy). 	<ul style="list-style-type: none"> Newer projections show a reduction in water demand. Based on projections for 2030, water demand is 800 afy less than projected in 2006 and 1,520 afy less than assuming conservation targets.
<p>Updated groundwater analysis for sustainable and target pumping goals</p>	<ul style="list-style-type: none"> In the 2006 IRP, the District's sustainable yield was not to exceed 4,800 afy. In the 2006 IRP, it was assumed any amount above the sustainable yield plus an additional 500 afy would be provided by a supplemental supply until basin recovery is achieved. 	<ul style="list-style-type: none"> Based on new 2012 evaluation, the recovery pumping goal is established at 2,900 afy to be maintained for approximately 20 years to recover the basin. Based on new 2012 evaluation, the District's post-recovery goal should average 4,000 afy. 	<ul style="list-style-type: none"> The recovery pumping goal of 2,900 afy is 35% less than projected 2015 demands with anticipated conservation savings (4,448 afy) The District's groundwater yield after basin recovery is at least 800 afy less than the 2006 IRP estimate of 4,800 afy.

The district needs to reduce the draw on the aquifer 1100 AF per year (358 Million Gallons)....For 20 years

This table displays the Soquel Creek stable water demand and supply picture. It will take 20 years to get here at 1100 AF per year (358 Million gallons per year) (Page 14/97)

Table 4-1: District's Post-Recovery Pumping Goal based on Protective Outflow within 70% Percentile		
Post-Recovery Water Balance Component	Purisima	Aromas Red Sands
Recharge from precipitation (afy)	5,400	4,200
Modeled protective outflows to ocean-70 th percentile (afy)	775	1,950
Flow to Pajaro Valley based on contour maps (afy)	0	370
Total available consumptive use (afy)	4,625	1,880
Non-District consumptive use (afy)	1,992	754
Total available District consumptive use (afy)	2,633	1,126
Return flow percentage excluding septic (afy)	6%	6%
District post-recovery pumping goal (afy)	2,800	1,200
	= 4,000 afy (total)	

This is how the SqCWD decided its solution to overdraft: (Page 15/97)

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This information is collected from the Soquel Creek Water District's 2012 Integrated water Management plan.
<http://www.soquelcreekwater.org/sites/default/files/documents/irp-2012-update-adopted-by-board-w-appendix-a-final.pdf>

