

Summary of water-quality data near and associated with artificial recharge sites, March 2005 through August 2010. [mg/L; milligrams per liter; mg/L as N, milligrams per liter as Nitrogen; µg/L, micrograms per liter; cols/100 mL, colonies per 100 mL; DWA, Drinking Water Advisory; HAL, Health advisor level for individuals on a 500 mg/day restricted sodium diet; SDWR, Secondary drinking water regulation; MCL, Maximum Contaminant Level; --, not determined; <, less than]

		Arsenic	Iron	Manganese	Chloride	Sodium	Sulfate	Nitrate + Nitrite	Alachlor	Atrazine	Triazine	Total Coliforms	Fecal Coliforms
		µg/L	µg/L	µg/L	mg/L	mg/L	mg/L	mg/L	µg/L	µg/L	µg/L	col/100ml	col/100ml
Reporting Level		1	100	5	5	0.12	5	0.02	0.005	0.007	0.1	1	1
Water Quality Standard		10	300	50	250	20	250	10	2	3	3	5% pos.	5% pos.
		(MCL)	(SDWR)	(SDWR)	(DWA)	(HAL)	(MCL)	(SDWR)	(MCL)	(MCL)	(MCL)	(MCL)	(MCL)
Recharge Basin Sites		Before Artificial Recharge Average Concentration											
Deep Monitoring Wells	6/06-02/07	10.76	266.9†	288.46	34.23	45.08	37.57	0.056*	<0.005	<0.007	<0.1	<1	<1
Shallow Monitoring Wells	06/06-02/07	9.84*	2955.48*	351.77	72.72	65.48	142.22	0.96*	<0.005	<0.007	<0.1	1.00†	2.23†
Recharge Well Sites													
Deep Monitoring Wells	01/06-03/07	5.07*	286.92*	275.63	23.92*	32.02	19.27	0.22*	<0.005	0.012†	0.10†	1.28*	0.52*
Shallow Monitoring Wells	04/06-03/07	2.35†	201.3†	96.5†	11.80*	22.75	27.51	1.3†	<0.005	0.017†	0.12†	<1	<1
Recharge Basin Sites		After Artificial Recharge Average Concentration											
Recharged water	8/07-4/09	<1	<100	ID	44.16	59.62	104.51	1.44	0.057†	0.530†	0.574*	82.4	72.29
Deep Monitoring Wells	6/07-08/10	2.51	324.69*	326.34	43.90	45.14	35.26	ID	<0.005	0.039†	0.12†	0.675*	1.00†
Shallow Monitoring Wells	06/07-08/10	6.97	2700.29	265.5	58.86*	60.46	140.77	0.032*	0.008†	0.105*	0.15†	3.08†	1.04†
Recharge Well Sites													
Recharged water	7/07-06/09	8.34	<100	220.2	ID	30.54	10.51	0.03†	<0.005	0.019	<0.1	1.11†	<1
Deep Monitoring Wells	05/07-08/10	5.25*	496.96	294.24	25.23*	31.62	14.36	0.178*	<0.005	0.009*	ID	1.09†	1.00†
Shallow Monitoring Wells	05/07-06/10	3.01*	161.11†	152.18*	17.14*	26.63	20.48	2.54*	<0.005	0.008†	<0.1	1.31†	<1

* value is estimated by using a log-probability regression to prediction values of data below the reporting level

† Fraction of samples below reporting levels too high compared to the number of data points to use probability regression prediction. Average < Average reported as below reporting values because all measurements are below those thresholds.