

Table S2. Chemical data collected from the 7 USGS multiple-depth monitoring-well sites and 6 domestic wells in San Diego County, California.

[Chemical units are given in milligrams per liter (mg/L); date format is month, day, year; pH given in standard units; specific conductance are given in microsiemens per centimeter at 25 degrees C; alkalinity given in mg/L as calcium carbonate; dissolved solids given in mg/L; -, no data]

Common															
well name	Date sampled	pH	Specific conductance	Ca	Mg	Na	K	Cl	SO ₄	Alkalinity	Br	Sr	Cl/Br ratio	Na/Ca ratio	Group
SDOT1	05/01/08	8.4	2,630	5.4	2.26	554	3.57	535	32.2	500	2.1	0.08	255	102.8	2
SDOT2	05/02/08	8.7	1,560	5.9	2.15	321	3.01	266	49.1	321	1.01	0.07	263	54.3	2
SDOT3	04/17/08	8.0	731	30.2	11.6	98	2.65	136	33.3	119	0.44	0.31	309	3.2	1
SDOT4	04/18/08	7.1	3,750	258	124	288	4.82	1,010	200	228	3.2	1.70	316	1.1	1
SDOT5	05/01/08	7.4	1,940	61.6	28.3	277	4.31	382	151	222	1.36	0.38	281	4.5	1
SDOR1	01/16/09	8.0	2,670	19.4	1.03	492	2.8	700	125	-	2.47	0.47	283	25.4	2
SDOR2	01/23/09	8.0	4,080	30.7	7.08	826	9.5	1,140	142	88	4.25	0.68	268	26.9	2
SDOR3	01/20/09	7.9	1,410	25.2	10.6	244	6.25	278	84.7	170	0.95	0.48	293	9.7	1
SDOR5	01/16/09	8.7	1,890	29.8	6.29	332	5.29	372	159	153	1.23	0.34	302	11.1	1
SDCC1	04/27/10	8.1	3,670	22.0	2.47	697	4.51	1,070	136	98	3.43	0.47	312	31.7	2
SDCC2	04/29/10	8.2	3,950	23.3	3.13	773	6.23	1,170	163	102	3.84	0.52	305	33.2	2
SDCC3	04/28/10	8.1	4,180	20.6	5.57	797	9.81	1,220	165	161	3.99	0.54	306	38.7	2
SDCC4	04/28/10	8.4	2,160	8.7	3.59	442	6.65	473	137	245	1.5	0.21	315	51.0	2
SDCC5	04/29/10	8.4	3,570	28.3	5.08	646	6.41	1,030	151	108	3.29	0.45	313	22.8	2
SDCC6	04/29/10	7.7	2,880	167	69.2	354	8.96	453	657	224	1.37	1.39	331	2.1	1
SDMC1	03/05/09	7.7	13,900	232	144	2,720	14.9	4,670	606	102	15.7	4.30	297	11.7	3
SDMC2	03/05/09	7.5	9,090	353	214	1,130	13.7	2,980	297	92	13	6.13	229	3.2	3
SDMC3	03/05/09	7.7	5,980	266	147	719	10.2	1,920	198	73	3.05	4.30	630	2.7	3
SDMC4	03/05/09	7.6	10,700	248	176	2,080	29.7	3,350	633	99	11.4	2.36	294	8.4	3
SDMC5	03/05/09	7.2	4,870	177	113	677	12.2	1,300	245	284	4.24	1.14	307	3.8	1
SDSW1	10/15/09	8.1	4,600	12.1	5.53	975	10.5	1,260	181	244	4.35	0.30	290	80.6	2
SDSW2	10/15/09	8.4	3,230	11.6	3.95	655	8.18	834	175	172	2.92	0.16	286	56.5	2
SDSW3	10/14/09	8.2	1,580	19.7	8.8	294	4.84	320	127	139	1.25	0.33	256	14.9	2
SDSW4	10/16/09	7.9	1,700	60.0	25	247	4.33	405	101	150	1.41	0.65	287	4.1	1
SDSW5	10/15/09	7.5	3,510	11.8	19.9	664	24	847	204	288	2.78	0.16	305	56.3	1 ^a
SDSW6	10/16/09	7.1	3,420	215.0	98.3	459	6.63	707	595	361	2.36	1.22	300	2.1	1
SDNB1	09/19/08	6.8	36,700	1,230	809	5,250	33.1	13,500	1,680	106	49.4	18.90	273	4.3	3
SDNB2	09/18/08	8.3	1,500	20.5	17.3	269	2.77	319	55.8	190	1.14	0.15	280	13.1	1
SDNB3	09/19/08	6.7	65,500	1,970	1950	11,900	118	25,800	3,110	194	89.9	12.70	287	6.0	3
SDNB4	09/18/08	6.7	95,000	1,020	2280	21,200	689	39,400	4,740	183	132	14.30	298	20.8	3
SDNB5	09/18/08	7.5	12,500	118	120	2,440	56.5	3,480	892	680	13.1	0.97	266	20.7	3
SDEP1	09/17/08	7.5	4,890	18.1	15.8	973	21.1	1,120	298	454	3.82	0.25	293	53.8	2
SDEP2	09/12/08	8.3	2,090	15.2	8.35	385	2.35	487	86.1	193	1.72	0.28	283	25.3	2
SDEP3	09/15/08	7.6	1,100	43.3	19.7	155	3.91	161	64	240	0.57	0.66	282	3.6	1
SDEP4	09/11/08	8.1	1,000	29.6	19.8	138	3.06	179	85.7	126	0.65	0.33	275	4.7	1

SDEP5	09/11/08	7.7	2,310	66.0	36.4	356	2.68	488	163	248	1.8	0.42	271	5.4	1
PPTT	12/11/08	7.5	1,420	84.6	37.5	159	5.18	286	87.3	196	0.99	0.37	289	1.9	1
SMWC1	12/10/08	7.4	701	70.8	12.6	50	4.02	101	27.9	188	0.34	0.17	297	0.7	1
SMWC2	12/10/08	7.4	715	77.3	19.4	49	6.2	75	49.6	194	0.25	0.16	298	0.6	1
DJRV	12/11/08	7.1	670	16.8	5.24	117	1.49	120	38.8	105	0.38	0.05	316	7.0	1
SRVP	12/10/08	8.2	451	33.2	2.81	68	0.77	57	12	126	0.21	0.02	270	2.0	1
DESD	12/11/08	7.3	1,710	144	48.3	147	5.04	277	143	260	0.74	0.60	374	1.0	1

^aShown as group 2 in figures 2, 7a,b, 8a,b,c.