Table 4. Water-quality indicators in samples collected for the Southern Sierra Groundwater Ambient Monitoring and Assessment (GAMA) study, California, June 2006.

[The five-digit number below the constituent name is the U.S. Geological Survey parameter code used to uniquely identify a specific constituent or property; SMCL-CA, California Department of Public Health secondary maximum contaminant level; SMCL-US, U.S. Environmental Protection Agency secondary maximum contaminant level; SOSA, Southern Sierra study unit grid well; SOSAFP, Southern Sierra study unit flow-path well; C, celsius; E, estimated value; mg/L, milligrams per liter; mm, millimeter; nc, sample not collected; na, not available; NTU, nephelometric turbidity unit; µS/cm, microsiemens per centimeter; $CaCO_3$, calcium carbonate]

GAMA identification No.	Turbidity, field (NTU) (63676)	Dissolved oxygen, field (mg/L) (00300)	Water temperature, field (degrees C) (00010)	pH, lab (standard units) (00403)	pH, field (standard units) (00400)	Specific conductance, lab (µS/cm at 25°C) (90095)	Specific conductance, field (µS/cm at 25°C) (00095)	Alkalinity, lab (mg/L as $CaCO_3$) (29801)	Alkalinity, field (mg/L as $CaCO_3$) (29802)
Threshold type	**na**	**na**	**na**	**SMCL-US**	**SMCL-US**	**SMCL-CA[1]**	**SMCL-CA[1]**	**na**	**na**
Threshold level	**na**	**na**	**na**	**6.5 - 8.5**	**6.5 - 8.5**	**900 (1,600)**	**900 (1,600)**	**na**	**na**
Grid wells									
SOSA-01	nc	1.4	15.7	nc	nc	nc	85	nc	nc
SOSA-02	nc	4.3	15.8	nc	nc	nc	nc	nc	nc
SOSA-03	0.3	11.6	20.1	7.3	6.9	661	656	248	239
SOSA-04	nc	2.2	22.8	nc	nc	nc	nc	nc	nc
SOSA-05	nc	4.7	19.4	nc	nc	nc	337	nc	nc
SOSA-06	nc	0.1	19.2	nc	nc	nc	301	nc	nc
SOSA-07	0.5	0.1	15.4	7.5	6.5	127	135	60	55
SOSA-08	nc	0.6	19.9	nc	nc	nc	649	nc	nc
SOSA-09	nc	0.6	14.8	nc	nc	nc	* 1,020	nc	nc
SOSA-10	0.4	0.8	16.7	6.6	* 6.0	365	367	144	140
SOSA-11	nc	10.5	18.1	nc	nc	nc	501	nc	nc
SOSA-12	nc	2.1	14.6	nc	nc	nc	86	nc	nc
SOSA-13	0.2	7.0	17.5	7.8	7.6	490	485	186	180
SOSA-14	nc	6.0	21.5	nc	nc	nc	168	nc	nc
SOSA-15	nc	7.8	8.1	6.8	nc	242	241	121	nc
SOSA-16	nc	7.0	20.0	nc	nc	nc	422	nc	nc
SOSA-17	nc	1.2	19.5	nc	nc	nc	315	nc	nc
SOSA-18	nc	5.4	20.0	nc	nc	nc	856	nc	nc
SOSA-19	nc	1.4	20.5	nc	nc	nc	352	nc	nc
SOSA-20	nc	5.1	18.5	nc	nc	nc	337	nc	nc
SOSA-21	nc	1.2	21.0	nc	nc	nc	570	nc	nc
SOSA-22	nc	6.6	6.5	6.1	nc	39	37	17	nc
SOSA-23	nc	E 8.0	17.5	nc	nc	nc	549	nc	nc
SOSA-24	nc	0.2	22.5	nc	nc	nc	457	nc	nc
SOSA-25	nc	4.2	15.5	nc	nc	nc	457	nc	nc

Table 4. Water-quality indicators in samples collected for the Southern Sierra Groundwater Ambient Monitoring and Assessment (GAMA) study, California, June 2006—Continued.

[The five-digit number below the constituent name is the U.S. Geological Survey parameter code used to uniquely identify a specific constituent or property; SMCL-CA, California Department of Public Health secondary maximum contaminant level; SMCL-US, U.S. Environmental Protection Agency secondary maximum contaminant level; SOSA, Southern Sierra study unit grid well; SOSAFP, Southern Sierra study unit flow-path well; C, celsius; E, estimated value; mg/L, milligrams per liter; mm, millimeter; nc, sample not collected; na, not available; NTU, nephelometric turbidity unit; µS/cm, microsiemens per centimeter; $CaCO_3$, calcium carbonate]

GAMA identification No.	Turbidity, field (NTU) (63676)	Dissolved oxygen, field (mg/L) (00300)	Water temperature, field (degrees C) (00010)	pH, lab (standard units) (00403)	pH, field (standard units) (00400)	Specific conductance, lab (µS/cm at 25°C) (90095)	Specific conductance, field (µS/cm at 25°C) (00095)	Alkalinity, lab (mg/L as $CaCO_3$) (29801)	Alkalinity, field (mg/L as $CaCO_3$) (29802)
Threshold type	**na**	**na**	**na**	**SMCL-US**	**SMCL-US**	**SMCL-CA[1]**	**SMCL-CA[1]**	**na**	**na**
Threshold level	**na**	**na**	**na**	**6.5 - 8.5**	**6.5 - 8.5**	**900 (1,600)**	**900 (1,600)**	**na**	**na**
SOSA-26	nc	2.1	15.3	nc	nc	nc	469	nc	nc
SOSA-27	nc	E 2	17.0	nc	nc	nc	404	nc	nc
SOSA-28	nc	6.3	16.5	nc	nc	nc	897	nc	nc
SOSA-29	nc	1.4	18.0	nc	nc	nc	377	nc	nc
SOSA-30	nc	6.6	21.3	nc	nc	nc	507	nc	nc
SOSA-31	nc	7.8	16.7	nc	nc	nc	836	nc	nc
SOSA-32	nc	8.4	17.8	nc	7.4	nc	474	nc	nc
SOSA-33	nc	< 0.1	18.0	nc	7.2	nc	469	nc	nc
SOSA-34	nc	11.6	16.6	nc	7.2	nc	731	nc	nc
SOSA-35	nc	0.2	19.8	* 8.7	* 8.6	* 1,730	* 1,730	710	nc
Flow-path wells									
SOSAFP-01	nc	5.2	18.7	7.8	nc	508	479	150	nc
SOSAFP-02	2.2	< 0.1	18.9	6.7	* 6.2	518	513	254	256
SOSAFP-03	nc	3.8	19.9	8.1	nc	386	391	138	nc
SOSAFP-04	0.4	8.3	18.5	7.9	nc	527	543	182	nc
SOSAFP-05	0.2	3.5	18.5	7.9	7.7	419	419	155	150
SOSAFP-06	0.2	7.9	18.5	7.8	7.7	476	477	172	167
SOSAFP-07	nc	8.5	17.0	7.6	nc	850	862	235	nc
SOSAFP-08	nc	3.1	18.3	7.4	nc	683	686	197	nc
SOSAFP-09	nc	12.3	17.3	7.6	7.0	679	676	214	nc
SOSAFP-10	nc	4.0	17.6	7.4	nc	523	526	161	nc
SOSAFP-11	nc	5.2	17.1	7.7	nc	460	377	179	nc
SOSAFP-12	nc	3.3	18.8	7.5	7.3	543	537	150	nc
SOSAFP-13	nc	7.0	18.7	7.8	nc	439	348	159	nc
SOSAFP-14	nc	9.7	17.7	7.7	nc	532	517	187	nc
SOSAFP-15	nc	9.4	16.6	7.7	nc	577	522	197	nc

*Value above threshold level.

[1]The SMCL-CA for specific conductance has recommended and upper threshold values. The upper value is shown in parentheses.