

Date	pH	Spec. Cond. (uS/cm)	Total Dissolved Solids	Alkalinity	Cations				Anions					Sum	Sum Cations	Sum Anions	Major Cations				Major Anions			Water Type
					Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Carbonate (CO ₃)	Bicarbonate (HCO ₃)	Sulfate (SO ₄)	Chloride (Cl)	Nitrate (NO ₃)				Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Bicarbonate (HCO ₃)	Sulfate (SO ₄)	Chloride (Cl)	
1/22/73	7.8	192		74	26.4	2.9	10.9	2.0	0	74	8.0	8.0	0.05	132	2.08	1.61	63%	11%	23%	2%	76%	10%	14%	Calcium-Bicarbonate
10/21/74	8.1	240		132	48.1	4.9	10.5	2.0	0	161	11.5	11.0	0.42	249	3.31	3.19	72%	12%	14%	2%	83%	8%	10%	Calcium-Bicarbonate
9/22/75	8.4	310	217	130	47.0	5.7	7.0	2.0	0	130	6.2	12.0	<0.1	210	3.17	2.60	74%	15%	10%	2%	82%	5%	13%	Calcium-Bicarbonate
3/1/76	7.2	200		101	40.0	2.9	18.4	2.0	0	101	14.6	26.0	0.45	205	3.09	2.69	65%	8%	26%	2%	61%	11%	27%	Calcium-Bicarbonate
10/13/76	7.9	295		154	57.0	6.6		2.0	0	154	15.5	15.0	0.26	250	3.44	3.27	83%	16%		1%	77%	10%	13%	Calcium-Bicarbonate
4/4/77	7.1	300		150	52.1	5.3	4.0	2.0	0	150	17.0	14.0	0.05	244	3.26	3.21	80%	13%	5%	2%	77%	11%	12%	Calcium-Bicarbonate
12/5/77	7.9	290		158	60.9	3.9	13.6	2.0	0	193	18.0	15.0	0.04	306	4.00	3.96	76%	8%	15%	1%	80%	9%	11%	Calcium-Bicarbonate
5/15/78	7.9	230	182	118	41.7	7.8	9.0	2.0	0	118	11.7	13.0	1.50	205	3.17	2.54	66%	20%	12%	2%	76%	10%	14%	Calcium-Bicarbonate
5/22/79	7.8	205	179	120	53.7	2.4	9.4	2.0	0	120	13.5	15.0	2.56	219	3.34	2.67	80%	6%	12%	2%	74%	11%	16%	Calcium-Bicarbonate
5/19/80	8.1	275	172	124	44.9	2.4	4.2	2.0	0	124	8.6	13.0	0.23	199	2.67	2.58	84%	7%	7%	2%	79%	7%	14%	Calcium-Bicarbonate
5/11/81	8.1	280	190	128	47.3	2.4	11.8	2.0	0	128	7.6	8.5	0.09	208	3.12	2.50	76%	6%	16%	2%	84%	6%	10%	Calcium-Bicarbonate
5/14/82	8.1	240	103	104	39.3	1.5	5.3	2.0	0	104	12.5	9.0	0.40	174	2.37	2.22	83%	5%	10%	2%	77%	12%	11%	Calcium-Bicarbonate
5/1/83	7.9	170	135	80	26.5	4.0	7.2	2.0	0	80	13.0	10.0	0.32	143	2.02	1.86	66%	16%	16%	3%	70%	15%	15%	Calcium-Bicarbonate
5/1/84	8.2	280	165	122	45.7	3.4	10.6	2.0		122	16.5	10.0	0.37	211	3.07	2.63	74%	9%	15%	2%	76%	13%	11%	Calcium-Bicarbonate
5/1/85	8.1	330	168	118	41.7	3.9	7.7	2.0		118	13.7	10.0	0.24	197	2.79	2.50	75%	12%	12%	2%	77%	11%	11%	Calcium-Bicarbonate
5/19/87	8.1	290	164	130	46.5	3.9	7.9	2.0		130	15.0	9.2		215	3.04	2.70	76%	11%	11%	2%	79%	12%	10%	Calcium-Bicarbonate
5/23/88	8.3	320	184	134	49.7	3.4	11.5	2.0		134	15.9	9.9	0.20	227	3.31	2.81	75%	8%	15%	2%	78%	12%	10%	Calcium-Bicarbonate
4/10/89	8.3	280	183	122	41.7	4.9	8.6	3.7		122	11.5	8.7	0.35	201	2.95	2.48	70%	14%	13%	3%	80%	10%	10%	Calcium-Bicarbonate
4/9/90	7.8	335	218	142	58.0	1.0	11.2	2.7		142	16.6	9.4	0.15	241	3.53	2.94	82%	2%	14%	2%	79%	12%	9%	Calcium-Bicarbonate
4/8/91	8.2	320	200	132	53.0	21.1	11.1	1.8		132	16.0	10.2	0.18	245	4.91	2.78	54%	35%	10%	1%	78%	12%	10%	Calcium-Bicarbonate
4/6/92	8.1	315	195	122	46.0	4.9	11.2	2.1		122		10.0	0.25	196	3.24	2.28	71%	12%	15%	2%	88%	0%	12%	Calcium-Bicarbonate
10/4/93	8.3	330	160	136	49.1	5.6	10.1	2.1		136	17.0	9.0	0.32	229	3.40	2.84	72%	14%	13%	2%	79%	12%	9%	Calcium-Bicarbonate
4/4/94	8.3	315	200	124	49.0	6.1	10.7	2.0		124	18.0	10.0	0.22	220	3.46	2.69	71%	14%	13%	1%	76%	14%	10%	Calcium-Bicarbonate
4/17/95	8.2	260	160	94	38.0	5.1	10.0	2.0		94	13.0	11.0	0.51	174	2.80	2.12	68%	15%	16%	2%	73%	13%	15%	Calcium-Bicarbonate
4/15/96	8.2	275	144	108	41.0	5.0	9.4	2.1		108	14.0	11.0	0.48	191	2.92	2.37	70%	14%	14%	2%	75%	12%	13%	Calcium-Bicarbonate
4/28/97	8.2	295	193		43.3	4.6	9.4	1.4			14.0	11.0	0.50	84	2.98		72%	13%	14%	1%				
4/13/98	7.9	220	156	86	28.5	3.5	9.7	1.7		86	11.0	11.0	0.60	152	2.18	1.95	65%	13%	19%	2%	72%	12%	16%	Calcium-Bicarbonate
8/3/99	8.2	310	178	124	39.2	6.1	10.0	2.0		124	14.0	11.0	0.40	207	2.94	2.63	66%	17%	15%	2%	77%	11%	12%	Calcium-Bicarbonate
10/10/00	8.2	310	185	125	44.7	4.8	10.1	1.9		125	15.0			202	3.11		72%	13%	14%	2%				
10/23/01	8.0	365	217	137	48.1	4.9	10.4	2.0		137	16.0	10.0	0.50	229	3.31	2.86	73%	12%	14%	2%	78%	12%	10%	Calcium-Bicarbonate
11/5/02	8.1	225	233	140						140	17.0	11.0	0.30											
11/18/03	8.0	360	205	130						130	16.0	10.0	0.20											
11/2/04	8.0	315	201	131	48.0	5.3	9.8	1.7		131	15.0	10.0	0.40	221	3.30	2.74	72%	13%	13%	1%	78%	11%	10%	Calcium-Bicarbonate
11/16/05	8.1	315	199	132	47.4	5.4	9.8	2.0		132	15.5	10.7	0.30	223	3.29	2.79	72%	14%	13%	2%	78%	12%	11%	Calcium-Bicarbonate
N	34	34	28	33	32	32	31	32	13	33	33	33	32	32	32	30	32	32	31	32	30	30	30	
Min	7.1	170	103	74	26	1.0	4	1.4	0	74	6.2	8.0	0.0	84.2	2.02	1.61	54%	2%	5%	1%	61%	0%	9%	
Max	8.4	365	233	158	61	21	18.4	3.7	0	193	18.0	26.0	2.6	306.4	4.91	3.96	84%	35%	26%	3%	88%	15%	27%	
Avg	8.0	282	182	123	45	4.9	9.7	2.0	0	125	13.9	11.3	0.4	207	3.11	2.63	72%	13%	14%	2%	77%	10%	12%	

Source: City of Santa Cruz Water Dept.

Italics: Alkalinity used as a substitute for bicarbonate data where necessary (italics).

Potassium estimated as 2 mg/L where necessary (italics).