

Table S2. Lake Elsinore water isotope data and water temperature

Water Sample Date	Water δD (‰, VSMOW)	Water $\delta^{18}O$ (‰, VSMOW)	Water Temperature (Celsius)
1/11/06	-16.97	-0.86	10.77
1/30/06	-18.44	-0.93	13.03
2/13/06	-17.76	-0.94	15.50
3/1/06	-19.24	-0.97	14.90
3/18/06	-18.54	-0.81	13.75
4/25/06	-14.02	-0.58	18.42
5/9/06	-15.68	-0.60	21.65
5/23/06	-15.23	-0.46	23.41
6/6/06	-13.68	-0.27	25.67
6/20/06	-10.70	-0.14	26.50
7/6/06	-9.31	-0.01	28.00
7/18/06	-9.65	0.19	28.93
7/31/06	-7.27	0.38	27.77
8/14/06	-7.38	0.49	27.21
8/29/06	-6.54	0.82	27.98
9/10/06	-5.19	0.94	26.63
9/28/06	-6.41	0.98	24.54
10/11/06	-4.98	1.28	22.19
10/25/06	-5.25	1.38	20.20
11/8/06	-4.21	1.48	19.33
11/20/06	-2.66	1.47	18.66
12/19/06	-4.72	1.65	12.54
1/10/07	-3.62	1.77	10.77
1/24/07	-1.91	1.97	9.43
2/28/07	-0.96	1.84	13.00
3/14/07	-1.18	1.83	16.86
6/22/07	3.47	2.72	25.59
7/12/07	-1.42	2.86	27.00
7/20/07	1.84	3.05	27.61
8/7/07	1.58	3.23	26.48
8/22/07	1.71	2.91	27.82
9/12/07	0.92	3.27	26.86
9/27/07	-0.91	2.77	22.21
10/12/07	2.15	3.93	20.04
11/16/07	2.81	3.85	18.03
11/28/07	2.87	3.42	15.16
12/17/07	1.37	3.07	11.73
1/16/08	0.05	2.76	10.61
2/6/08	-4.30	2.18	10.05
3/5/08	-5.56	2.20	13.86
3/21/08	-1.37	2.76	15.43

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4/4/08	-5.20	2.19	17.17
5/2/08	-1.99	2.65	20.27
6/13/08	-0.37	2.92	24.61
6/27/08	0.28	3.55	26.24
7/9/08	1.05	3.27	27.27
7/23/08	3.53	3.89	27.60
8/6/08	3.20	3.53	27.71
8/20/08	2.88	4.10	26.89
9/3/08	4.90	4.31	27.25
9/18/08	4.67	4.06	25.74
10/7/08	6.20	4.80	23.39
10/21/08	6.17	4.61	19.64
11/11/08	9.05	4.99	17.22
12/30/08	1.42	3.78	10.62
1/30/09	0.78	3.68	11.60
2/25/09	-1.35	2.95	13.64
3/10/09	-0.57	3.18	14.08
3/24/09	-0.12	3.29	15.53
5/22/09	1.29	3.45	24.43
5/29/09	-0.40	3.52	24.19
6/26/09	6.47	4.07	24.35
7/17/09	6.43	4.28	27.25
8/19/09	8.40	4.64	26.08
9/23/09	10.13	5.00	24.89
10/21/09	11.37	5.20	20.20
11/11/09	10.77	5.20	17.90
12/4/09	12.12	5.29	14.10
1/25/10	-17.63	-0.66	10.04
2/24/10	-2.92	2.15	13.10
3/24/10	-4.09	2.17	16.27
4/2/10	-4.77	2.07	16.70