

TABLE 2.5-6-2

SEEPS AND SPRINGS WATER QUALITY

Sampling Location	Sample Date	Lab pH S.U.	Field pH S.U.	Lab Specific Conductance umhos/cm	Field Specific Conductance umhos/cm	Dissolved Oxygen mg/l	Field Temperature deg c	Alkalinity, Bicarbonate as CaCO3 mg/L	Calcium mg/L	Chloride mg/L	Hardness mg/L	Magnesium mg/L	Nitrate-N mg/L	Sodium mg/L	SAR none	Sulfate mg/L	Total Dissolved Solids mg/L	Total Iron mg/L	Potassium mg/L
SHSS-16	04/26/2007	7.5	7.12	5970	5913	7.70	8	453	106	8.1	593	79.9	0.24	1440	25.7	3020	4870	0.225	13.6
SHSS-16	05/17/2007	7.1	7.12	5729	5941	7.82	8	385	126	8.6	675	87.6	0.21	1380	23.1	3020	4940	0.276	14
SHSS-16	06/19/2007	7.2	7.21	5189	6075	8.74	10	434	85.4	8.8	477	64.2	0.19	1360	27.1	2910	4720	0.294	13.4
SHSS-16	07/25/2007	7.9	7.76	5521	5891	8.38	14.5	526	65.9	11.6	378	51.8	0.23	1360	30.4	2330	4850	0.408	12.5
SHSS-16	08/21/2007	8.1	7.9	5029	5899	8.49	15.19	535	71	10.2	405	55.3	0.17	1490	32.2	2910	4660	0.218	13.9
SHSS-17A	04/26/2007	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SHSS-17A	05/17/2007	8.4	NR	7909	NR	NR	16	809	131	64.2	652	79	< 0.01	1500	25.6	2000	5210	7.84	20
SHSS-17A	06/19/2007	8.4	8.33	6926	7563	7.16	27	782	49.2	59	323	48.6	0.03	1580	38.3	2200	6240	18.2	18.5
SHSS-17A	07/24/2007	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SHSS-17A	08/21/2007	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SHSS-17C	07/24/2007	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SHSS-17C	08/21/2007	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SHSS-17E	06/19/2007	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SHSS-17E	07/24/2007	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SHSS-17E	08/21/2007	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SHSS-17ST	05/17/2007	6.7	6.63	3844	3895	2.09	12	443	73.1	24	430	60.2	< 0.01	860	18.0	1800	3030	1.31	13.2
SHSS-17ST	06/19/2007	6.2	6.84	3482	4065	2.82	13	435	61.3	23.1	367	52.1	< 0.01	786	17.8	1680	2840	5.22	12.3
SHSS-17ST	07/24/2007	6.8	6.48	3773	3888	2.21	19.6	419	54.2	22.6	331	47.7	< 0.01	782	18.7	1400	2790	5.01	11.2
SHSS-17ST	08/21/2007	6.8	6.58	3314	3766	3.00	17.78	432	57.2	22	347	49.7	< 0.01	797	18.6	1640	2750	6.92	11.8
SHSS-20	04/26/2007	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SHSS-20	05/17/2007	5.8	5.89	17280	18560	4.27	17	69	430	41.6	6257	1260	21.8	4200	23.1	17200	21500	1.22	45
SHSS-20	06/20/2007	3.9	4.33	16280	18650	7.22	21	< 4	414	40.2	4999	964	31.5	3930	24.2	15000	19900	8.11	43.4
SHSS-20	07/24/2007	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SHSS-20	08/21/2007	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SHSS-20A	06/19/2007	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SHSS-20A	07/24/2007	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SHSS-20A	08/21/2007	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SHSS-27	07/25/2007	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SHSS-27	08/22/2007	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

Note:
 < - Values below the reporting limit are entered as less than the reporting limit.
 NR - value not reported by laboratory or analysis not performed
 NS - Location visited, no sample collected because dry or frozen
 SAR - Sodium Adsorption Ratio
 SAR values calculated
 Hardness calculated by: $([Ca] + [Mg]) * 50$ when concentrations reported in meq/l
 S.U. - standard units
 umhos/cm - micromhos per centimeter
 mS/cm - milliSiemens per centimeter
 mg/L - milligrams per liter
 ntu- nephelometric turbidity units

TABLE 2.5-6-2

SEEPS AND SPRINGS WATER QUALITY

Sampling Location	Sample Date	Alkalinity, Carbonate as CaCO3 mg/l	Alkalinity, Phenolphthalein mg/l	Alkalinity, Total mg/l	Ammonia Nitrogen mg/l	Fluoride mg/l	Nitrite-N mg/l	Nitrogen, Nitrate-Nitrite mg/l	Phosphorus mg/l	Total Suspended Solids mg/l	Turbidity ntu	Total Uranium mg/l
SHSS-16	04/26/2007	< 4	< 4	453	0.07	0.31	< 0.01	0.24	NR	6	0.90	< 0.002
SHSS-16	05/17/2007	< 4	< 4	385	< 0.05	0.36	< 0.01	0.21	NR	< 1	1.60	< 0.002
SHSS-16	06/19/2007	< 4	< 4	434	0.05	0.30	< 0.01	0.19	NR	1	1.10	< 0.002
SHSS-16	07/25/2007	< 4	< 4	526	0.05	0.31	< 0.01	0.23	< 0.1	11	1	< 0.002
SHSS-16	08/21/2007	< 4	< 4	535	0.08	0.31	< 0.01	0.17	0.1	2	1	< 0.002
SHSS-17A	04/26/2007	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SHSS-17A	05/17/2007	27	14	836	< 0.05	0.88	0.08	< 0.01	NR	390	35	0.014
SHSS-17A	06/19/2007	57	28	839	0.18	0.72	0.01	0.04	NR	617	550	0.013
SHSS-17A	07/24/2007	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SHSS-17A	08/21/2007	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SHSS-17C	07/24/2007	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SHSS-17C	08/21/2007	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SHSS-17E	06/19/2007	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SHSS-17E	07/24/2007	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SHSS-17E	08/21/2007	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SHSS-17ST	05/17/2007	< 4	< 4	443	0.14	0.30	< 0.01	< 0.01	NR	< 1	2.00	< 0.002
SHSS-17ST	06/19/2007	< 4	< 4	435	0.19	0.23	< 0.01	< 0.01	NR	2	0.98	< 0.002
SHSS-17ST	07/24/2007	< 4	< 4	419	0.23	0.24	< 0.01	< 0.01	< 0.1	2	0.93	< 0.002
SHSS-17ST	08/21/2007	< 4	< 4	432	0.3	0.22	< 0.01	< 0.01	0.12	9	2.6	< 0.002
SHSS-20	04/26/2007	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SHSS-20	05/17/2007	< 4	< 4	69	3.70	0.71	0.06	21.9	NR	236	24	0.010
SHSS-20	06/20/2007	< 4	< 4	< 4	5.07	0.10	< 0.01	31.5	NR	260	7.90	0.011
SHSS-20	07/24/2007	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SHSS-20	08/21/2007	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SHSS-20A	06/19/2007	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SHSS-20A	07/24/2007	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SHSS-20A	08/21/2007	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SHSS-27	07/25/2007	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SHSS-27	08/22/2007	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

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