APPENDIX 7-19

SEEP AND SPRING PH MEASUREMENTS

pH measurements of seep and springs in the coal leases and adjacent areas collected from June 1985 through Oct./Nov. 1990.

Field Number	JUNE 85 pH (units)	OCT. 85 pH (units)	JULY 87 pH (units)	OCT. 87 pH (units)	OCT. 89 pH (units)	JUNE 90 pH (units)	OCT./NOV 90 pH (units)
SP-1	(a)	(d)	–	–	–	–	–
SP-2	(a)	(d)	–	–	–	–	–
SP-3	8.12	(d)	–	–	–	–	–
SP-4	7.86	(a)	–	–	–	–	–
SP-5	(a)	(d)	–	–	–	–	–
SP-6	7.67	(d)	–	–	–	–	–
SP-7	8.36	(d)	–	–	–	8.31	(c)
SP-8	7.95	(d)	–	–	–	8.21	(c)
SP-9	(a)	(d)	–	–	–	8.35	(c)
SP-10	7.90	(a)	–	–	–	7.62	(c)
SP-11	(a)	(d)	–	–	–	7.87	(c)
SP-12	7.66	(a)	–	–	–	8.00	(c)
SP-13	8.57	(d)	–	–	(a)	7.91	(c)
SP-14	8.10	7.74	–	–	7.80	7.77	(c)
SP-14a	–	–	–	–	–	7.89	(c)
SP-14b	–	–	–	–	–	7.74	(c)
SP-15	(a)	(d)	–	–	–	–	–
SP-16	8.34	(d)	–	–	–	–	–
SP-17	7.71	(d)	–	–	–	–	–
SP-18	7.42	8.15	–	–	–	–	–
SP-19	7.60	8.27	–	–	–	–	–
SP-20	(a)	(d)	–	–	–	–	–

Field Number	JUNE 85 pH (units)	OCT. 85 pH (units)	JULY 87 pH (units)	OCT. 87 pH (units)	OCT. 89 pH (units)	JUNE 90 pH (units)	OCT./NOV. 90 pH (units)
SP-21	8.53	(d)	–	–	–	–	–
SP-22	8.05	7.32	–	–	–	–	–
SP-23	8.02	8.08	–	–	–	–	–
SP-24	7.35	(d)	–	–	–	–	–
SP-25	6.80	(d)	–	–	–	–	–
SP-26	(a)	(a)	–	–	–	–	–
SP-27	(a)	(a)	–	–	–	–	–
SP-28	(a)	(d)	–	–	–	–	–
SP-29	(a)	(d)	–	–	–	–	–
SP-30	8.10	8.19	–	–	–	–	–
SP-31	(a)	(d)	–	–	–	–	–
SP-32	(a)	(d)	–	–	–	–	–
SP-33	(a)	(d)	–	–	–	–	–
SP-34	(a)	(d)	–	–	–	–	–
SP-35	(a)	(d)	–	–	–	–	–
SP-36	8.39	7.85	–	–	–	–	–
SP-37	(a)	(d)	–	–	–	–	–
SP-38	8.22	(d)	–	–	–	–	–
SP-39	(a)	(d)	–	–	–	–	–
SP-40	(a)	(d)	–	–	–	–	–
SP-41	(a)	(d)	–	–	–	–	–
SP-42	(a)	(d)	–	–	–	–	–
SP-43	(a)	(d)	–	–	–	(a)	(c)

Field Number	JUNE 85 pH (units)	OCT. 85 pH (units)	JULY 87 pH (units)	OCT. 87 pH (units)	OCT. 89 pH (units)	JUNE 90 pH (units)	OCT./NOV. 90 pH (units)
SP-44	(a)	(d)	–	–	–	(a)	(c)
SP-45	(a)	(d)	–	–	–	(a)	(c)
SP-46	(a)	(d)	–	–	–	(a)	(c)
SP-47	(a)	(d)	–	–	–	(a)	(c)
SP-47a	–	–	–	–	–	–	(c)
SP-48	(a)	(d)	–	–	–	(a)	(c)
SP-48a	–	–	–	–	–	8.19	(c)
SP-48b	–	–	–	–	–	7.59	(c)
SP-49	(a)	(d)	–	–	–	(a)	(d)
SP-50	(a)	(d)	–	–	–	(a)	(d)
SP-51	(a)	(d)	–	–	–	(a)	(d)
SP-52	7.99	8.00	–	–	8.30	8.60	(d)
SP-53	7.31	7.95	–	–	–	7.91	8.18
SP-54	7.35	8.07	–	–	8.47	8.23	(d)
SP-55	7.36	7.59	–	–	(a)	7.97	(d)
SP-56	7.61	7.90	–	–	(a)	7.99	(d)
SP-57	7.35	7.56	–	–	–	(a)	(b)
SP-58	7.40	7.70	–	–	7.88	7.79	8.27
SP-59	7.43	7.86	–	–	–	(a)	(d)
SP-60	(a)	(d)	–	–	–	(a)	(c)
SP-61	7.36	8.16	–	–	–	8.28	(c)
SP-62	(a)	(d)	–	–	–	(a)	(c)
SP-63	(a)	(d)	–	–	–	(a)	(c)

Field Number	JUNE 85 pH (units)	OCT. 85 pH (units)	JULY 87 pH (units)	OCT. 87 pH (units)	OCT. 89 pH (units)	JUNE 90 pH (units)	OCT./NOV. 90 pH (units)
SP-64	7.33	(d)	–	–	–	7.81	(c)
SP-65	7.43	8.18	–	–	–	–	–
SP-66	(a)	(d)	–	–	–	–	–
SP-67	(a)	(d)	–	–	–	–	–
SP-68	(a)	(d)	–	–	–	–	–
SP-69	(a)	(d)	–	–	–	–	–
SP-70	7.17	(a)	–	–	–	–	–
SP-71	(a)	(a)	–	–	–	–	–
SP-72	(a)	(d)	–	–	–	–	–
SP-73	(a)	(d)	–	–	–	–	–
SP-74	(a)	(d)	–	–	–	–	–
SP-75	(a)	(d)	–	–	–	–	–
SP-76	7.48	8.35	–	–	–	–	–
SP-77	(a)	(d)	–	–	–	–	–
SP-78	(a)	(d)	–	–	–	–	–
SP-79	(a)	(d)	–	–	–	–	–
SP-80	(a)	(d)	–	–	–	–	–
SP1-1	–	–	7.71	7.24	(a)	8.16	7.43
SP1-2	–	–	7.81	–	–	7.61	(b)
SP1-2a	–	–	7.80	7.97	8.68	7.87	8.21
SP1-3	–	–	7.61	7.61	7.70	8.10	7.88
SP1-4	–	–	(a)	(a)	–	8.37	(d)
SP1-5	–	–	(a)	(a)	–	7.97	(d)

Field Number	JUNE 85 pH (units)	OCT. 85 pH (units)	JULY 87 pH (units)	OCT. 87 pH (units)	OCT. 89 pH (units)	JUNE 90 pH (units)	OCT./NOV. 90 pH (units)
SP1-6	–	–	(a)	(a)	–	8.14	(a)
SP1-7	–	–	(a)	(a)	–	7.72	(a)
SP1-8	–	–	7.54	–	7.99	7.22	(a)
SP1-9	–	–	(a)	(a)	(a)	7.84	(a)
SP1-10	–	–	(a)	(a)	–	7.87	(c)
SP1-10a	–	–	–	–	(b)	(a)	(c)
SP1-10b	–	–	–	–	–	7.92	(c)
SP1-11	–	–	7.76	–	(c)	7.69	(d)
SP1-12	–	–	(a)	(a)	8.09	7.88	(d)
SP1-13	–	–	(a)	(a)	(a)	(a)	(a)
SP1-13a	–	–	–	–	–	8.13	–
SP1-13b	–	–	–	–	–	7.83	–
SP1-14	–	–	(a)	(a)	(a)	(a)	(a)
SP1-15	–	–	7.40	(a)	8.16	8.19	(a)
SP1-16	–	–	8.80	–	–	7.68	8.34
SP1-16a	–	–	–	–	–	7.68	8.14
SP1-17	–	–	7.85	7.85	–	7.90	(d)
SP1-17a	–	–	–	–	–	7.82	(d)
SP1-18	–	–	(a)	(a)	–	7.72	(a)
SP1-19	–	–	8.05	–	–	7.95	8.39
SP1-20	–	–	8.01	8.27	(c)	7.95	8.41
SP1-21	–	–	7.90	–	(c)	8.00	(a)
SP1-21a	–	–	–	–	–	8.00	(a)

Field Number	JUNE 85 pH (units)	OCT. 85 pH (units)	JULY 87 pH (units)	OCT. 87 pH (units)	OCT. 89 pH (units)	JUNE 90 pH (units)	OCT./NOV. 90 pH (units)
SP1-21b	–	–	–	–	–	7.88	(d)
SP1-22	–	–	(a)	(a)	–	(a)	(d)
SP1-23	–	–	(a)	(a)	–	8.03	(a)
SP1-24	–	–	7.86	(a)	8.22	7.89	8.09
SP1-25	–	–	7.76	7.81	7.80	8.03	8.05
SP1-26	–	–	7.74	7.78	7.97	7.78	8.36
SP1-27	–	–	7.69	–	8.17	8.06	8.54
SP1-28	–	–	(a)	(a)	–	(a)	(c)
SP1-29	–	–	7.63	–	(a)	7.81	(b)
SP1-29a	–	–	–	–	–	(a)	(b)
SP1-29b	–	–	–	–	–	(a)	(b)
SP1-30	–	–	7.47	–	8.49	7.01	(c)
SP1-30a	–	–	–	–	–	(a)	(c)
SP1-30b	–	–	–	–	–	(a)	(c)
SP1-31	–	–	7.59	–	(a)	7.56	(c)
SP1-32	–	–	(a)	(a)	–	7.33	(c)
SP1-32a	–	–	–	–	–	7.66	(d)
SP1-33	–	–	(a)	8.27	7.03	7.74	7.99
SP1-34	–	–	8.16	8.14	7.63	8.24	(a)
SP1-35	–	–	8.26	8.30	8.02	8.55	7.75
SP1-36	–	–	7.51	7.65	7.59	7.74	8.08
SP1-37	–	–	(a)	7.67	7.29	8.19	8.11
SP1-37a	–	–	7.42	7.56	7.13	8.44	(a)

Field Number	JUNE 85 pH (Units)	OCT. 85 pH (units)	JULY 87 pH (units)	OCT. 87 pH (units)	OCT. 89 pH (units)	JUNE 90 pH (units)	OCT./NOV. 90 pH (units)
SP1–38	–	–	7.29	7.24	7.22	7.97	(a)
SP1–39	–	–	8.17	7.48	6.69	8.05	(a)
SP1–40	–	–	7.17	7.17	7.27	8.49	8.24
SP1–40a	–	–	(a)	7.78	6.85	8.27	–
SP1–41	–	–	(a)	7.63	–	(a)	(a)
SP1–41a	–	–	–	–	–	–	8.35
SP1–42	–	–	7.43	8.15	–	8.23	(a)
SP1–43	–	–	7.49	7.46	–	7.68	(a)
SP1–44	–	–	7.80	7.76	–	7.72	7.55
SP1–45	–	–	–	–	6.92	8.01	8.35
SP1–46	–	–	–	–	6.94	8.14	8.38
SP1–47	–	–	–	–	7.61	8.00	8.47
SP1–48	–	–	–	–	8.01	7.98	(a)
SP1–49	–	–	–	–	(a)	7.86	(c)
SP1–50	–	–	–	–	(a)	8.24	(c)
SP1–51	–	–	–	–	8.79	7.98	(c)
SP1–52	–	–	–	–	(a)	7.20	(c)
SP1–53	–	–	–	–	7.65	8.33	8.35
SP1–53a	–	–	–	–	7.90	8.15	(c)
SP1–54	–	–	–	–	7.90	(a)	(c)
SP2–1	–	–	7.72	–	8.25	8.33	(a)
SP2–2	–	–	(a)	(a)	–	8.32	(d)
SP2–2a	–	–	–	–	–	7.44	8.31

Field Number	JUNE 85 pH (Units)	OCT. 85 pH (units)	JULY 87 pH (units)	OCT. 87 pH (units)	OCT. 89 pH (units)	JUNE 90 pH (units)	OCT./NOV. 90 pH (units)
SP2-3	–	–	8.15	–	8.28	8.06	(a)
SP2-4	–	–	8.17	–	–	8.25	(d)
SP2-5	–	–	7.56	–	–	7.59	(d)
SP2-6	–	–	7.70	–	–	8.24	(a)
SP2-7	–	–	8.19	–	–	8.10	(d)
SP2-8	–	–	(a)	–	–	7.80	7.61
SP2-9	–	–	7.56	7.76	8.37	7.55	7.48
SP2-10	–	–	8.71	–	–	(a)	(d)
SP2-11	–	–	8.11	–	–	8.52	(d)
SP2-12	–	–	(a)	–	–	7.80	(d)
SP2-13	–	–	7.94	–	–	8.38	(c)
SP2-14	–	–	8.24	–	–	(a)	(c)
SP2-15	–	–	8.60	–	–	8.34	(c)
SP2-16	–	–	(a)	(c)	–	(a)	(c)
SP2-17	–	–	8.53	(c)	–	(b)	(c)
SP2-18	–	–	(a)	(c)	–	(a)	(c)
SP2-19	–	–	(a)	(c)	–	(a)	(c)
SP2-20	–	–	(a)	(c)	–	(a)	(c)
SP2-21	–	–	8.58	(c)	–	(a)	(c)
SP2-22	–	–	8.21	(c)	–	(a)	(c)
SP2-22a	–	–	–	–	–	7.66	(c)
SP2-23	–	–	8.84	(c)	–	(a)	(c)
SP2-24	–	–	7.93	(a)	8.17	8.12	8.10

Field Number	JUNE 85 pH (Units)	OCT. 85 pH (units)	JULY 87 pH (units)	OCT. 87 pH (units)	OCT. 89 pH (units)	JUNE 90 pH (units)	OCT./NOV. 90 pH (units)
SP2-24a	–	–	–	–	(a)	8.01	(d)
SP2-24b	–	–	–	–	–	8.17	(d)
SP2-25	–	–	(a)	(a)	–	(a)	(d)
SP2-26	–	–	(a)	–	–	8.16	(b)
SP2-27	–	–	7.46	7.60	8.02	7.70	(b)
SP2-28	–	–	7.78	8.01	8.36	7.79	8.16
SP2-29	–	–	7.57	–	(a)	8.54	(c)
SP2-30	–	–	8.01	8.05	8.41	7.90	(c)
SP2-30a	–	–	–	–	–	7.94	(c)
SP2-31	–	–	7.73	(a)	(a)	7.76	(b)
SP2-32	–	–	7.56	8.28	(a)	8.41	(b)
SP2-32a	–	–	–	–	–	(a)	(b)
SP2-32b	–	–	–	–	–	8.16	(b)
SP2-33	–	–	7.85	–	(a)	7.91	(b)
SP2-33a	–	–	7.66	7.80	8.29	7.69	8.19
SP2-34	–	–	7.85	–	–	8.04	(b)
SP2-35	–	–	7.79	7.87	8.21	8.02	(c)
SP2-36	–	–	(a)	–	–	(a)	(c)
SP2-36a	–	–	–	–	–	8.18	(c)
SP2-36b	–	–	–	–	–	7.86	(c)
SP2-37	–	–	7.50	–	8.30	7.95	(c)
SP2-38	–	–	7.76	–	(a)	7.81	(c)
SP2-39	–	–	8.01	–	–	(a)	(c)

Field Number	JUNE 85 pH (Units)	OCT. 85 pH (units)	JULY 87 pH (units)	OCT. 87 pH (units)	OCT. 89 pH (units)	JUNE 90 pH (units)	OCT./NOV. 90 pH (units)
SP2–40	–	–	7.56	–	–	(a)	(c)
SP2–40a	–	–	–	–	–	7.75	(c)
SP2–40b	–	–	–	–	–	(a)	(c)
SP2–41	–	–	7.64	(a)	(a)	(a)	(c)
SP2–42	–	–	–	–	(a)	7.89	8.38
SP2–43	–	–	–	–	(a)	8.10	8.56
SP2–43a	–	–	–	–	–	8.53	8.58
SP2–44	–	–	–	–	(a)	7.96	(b)
SP2–44a	–	–	–	–	–	8.17	(b)
SP2–44b	–	–	–	–	–	7.49	(b)

(a) Insufficient water to sample.
(b) Frozen.
(c) Inaccessible due to weather and ground conditions.
(d) Dry.

PH measurements of seep and springs in the coal leases and adjacent areas collected in 1991.

Field Number	JUNE 91 pH (units)	OCT/NOV 91 pH (units)
SP-7	d	d
SP-8	8.07	7.63
SP-9	a	d
SP-10	a	8.19
SP-11	7.32	a
SP-12	a	d
SP-13	a	a
SP-14	8.38	7.87
SP-14a	7.56	c
SP-14b	d	c
SP-43	d	d
SP-44	d	d
SP-45	d	d
SP-46	d	d
SP-47	d	d
SP-47a	7.81	7.67
SP-48	7.68	7.04
SP-48a	7.84	d
SP-48b	d	d
SP-49	a	d
SP-50	7.61	d
SP-51	d	d

Field Number	JUNE 91 pH (units)	OCT/NOV 91 pH (units)
SP-52	8.12	8.06
SP-53	7.42	d
SP-54	7.50	8.44
SP-55	7.95	a
SP-56	7.83	8.36
SP-57	d	d
SP-57a	7.24	c
SP-58	7.46	7.95
SP-59	d	d
SP-60	d	c
SP-61	d	c
SP-62	d	c
SP-63	7.49	c
SP-64	7.60	c
SP1-1	7.60	8.10
SP1-2	a	8.05
SP1-2a	8.17	8.10
SP1-2b	7.56	d
SP1-3	7.49	b
SP1-3a	7.80	d
SP1-4	7.56	8.30
SP1-4a	8.26	a
SP1-4b	–	a

Field Number	JUNE 91 pH (units)	OCT/NOV 91 pH (units)
SP1-5	a	a
SP1-6	8.26	8.14
SP1-7	7.80	8.24
SP1-8	8.05	c
SP1-9	7.59	c
SP1-10	d	a
SP1-10a	7.91	8.20
SP1-10b	7.73	d
SP1-11	8.07	a
SP1-12	7.37	b
SP1-13	a	a
SP1-13a	a	c
SP1-13b	7.22	c
SP1-14	d	c
SP1-15	7.42	d
SP1-16	7.32	d
SP1-16a	7.58	d
SP1-17	7.80	8.27
SP1-17a	a	8.44
SP1-18	7.41	d
SP1-18a	–	8.28
SP1-19	8.17	d
SP1-20	8.03	d

Field Number	JUNE 91 pH (units)	OCT/NOV 91 pH (units)
SP1-21	7.86	d
SP1-21a	7.28	d
SP1-21b	7.36	d
SP1-22	a	8.18
SP1-23	7.57	8.22
SP1-24	7.48	a
SP1-25	7.92	8.34
SP1-26	7.83	8.82
SP1-27	7.34	7.82
SP1-28	7.82	c
SP1-28a	8.03	d
SP1-28b	–	8.05
SP1-28c	7.90	8.46
SP1-29	7.55	d
SP1-29a	a	d
SP1-29b	a	d
SP1-30	c	c
SP1-30a	7.80	a
SP1-30b	a	a
SP1-31	7.81	8.00
SP1-31a	7.76	c
SP1-32	–	d
SP1-32a	–	8.20

Field Number	JUNE 91 pH (units)	OCT/NOV 91 pH (units)
SP1-33	7.63	8.19
SP1-34	7.53	8.09
SP1-35	7.83	8.23
SP1-36	7.74	8.12
SP1-37	7.77	8.51
SP1-37a	a	8.04
SP1-38	7.87	8.34
SP1-38a	7.52	d
SP1-39	7.53	7.80
SP1-40	8.25	8.32
SP1-40a	8.31	8.18
SP1-41	d	8.63
SP1-41a	7.43	8.42
SP1-42	7.57	8.45
SP1-42a	–	a
SP1-43	7.71	d
SP1-44	7.75	7.14
SP1-45	8.28	7.80
SP1-45a	7.21	d
SP1-46	8.38	8.04
SP1-47	7.46	8.21
SP1-48	7.71	a
SP1-48a	7.29	d

Field Number	JUNE 91 pH (units)	OCT/NOV 91 pH (units)
SP1-49	7.45	d
SP1-49a	8.20	d
SP1-50	7.96	a
SP1-50a	7.78	d
SP1-51	8.29	d
SP1-51a	8.39	8.05
SP1-51b	7.82	d
SP1-51c	–	a
SP1-52	7.99	8.07
SP1-53	d	8.25
SP1-53a	d	d
SP1-54	d	d
SP1-55	7.50	c
SP2-1	7.98	8.25
SP2-2	7.29	8.18
SP2-2a	8.54	7.68
SP2-3	7.45	7.60
SP2-3a	–	a
SP2-3b	–	a
SP2-4	7.40	a
SP2-5	7.52	d
SP2-6	7.53	a
SP2-7	d	d

Field Number	JUNE 91 pH (units)	OCT/NOV 91 pH (units)
SP2-8	7.98	8.14
SP2-9	7.06	b
SP2-9a	6.72	d
SP2-10	7.87	d
SP2-11	8.48	d
SP2-12	a	a
SP2-13	7.31	a
SP2-14	7.41	a
SP2-15	7.74	a
SP2-15a	a	d
SP2-15b	a	d
SP2-16	a	a
SP2-17	7.98	a
SP2-18	7.72	a
SP2-19	a	a
SP2-20	a	d
SP2-21	d	d
SP2-21a	–	a
SP2-21b	–	a
SP2-22	7.72	d
SP2-22a	a	d
SP2-23	d	a
SP2-24	7.58	8.04

Field Number	JUNE 91 pH (units)	OCT/NOV 91 pH (units)
SP2-24a	a	d
SP2-24b	a	d
SP2-25	d	8.10
SP2-26	7.57	a
SP2-27	7.91	7.83
SP2-28	7.36	8.15
SP2-29	7.36	7.86
SP2-30	7.50	7.89
SP2-30a	7.13	8.15
SP2-31	7.28	d
SP2-32	7.26	8.23
SP2-32a	7.34	d
SP2-32b	d	d
SP2-33	7.45	8.01
SP2-33a	7.09	c
SP2-34	7.61	a
SP2-34a	7.80	d
SP2-35	7.72	8.13
SP2-36	8.10	d
SP2-36a	8.21	7.96
SP2-36bw	7.49	8.22
SP2-36bm	–	7.70
SP2-36be	–	7.88

Field Number	JUNE 91 pH (units)	OCT/NOV 91 pH (units)
SP2-37	7.33	7.72
SP2-37a	–	7.90
SP2-38	7.70	d
SP2-38a	7.75	d
SP2-38b	7.92	a
SP2-38c	a	d
SP2-39	c	c
SP2-40	c	c
SP2-40a	c	c
SP2-40b	c	d
SP2-40c	a	c
SP2-40d	7.81	c
SP2-40e	a	c
SP2-41	c	c
SP2-42	7.16	8.40
SP2-43	7.35	d
SP2-43a	7.88	8.34
SP2-44	7.23	8.25
SP2-44a	7.19	d
SP2-44a2	a	d
SP2-44a3	7.48	d
SP2-44a4	7.05	d
SP2-44b	7.61	c

Field Number	JUNE 91 pH (units)	OCT/NOV 91 pH (units)
SP3-2	–	a
SP3-3	–	a
SP3-4	–	a
SP3-5	–	a
SP3-6	–	a
SP3-7	–	7.61
SP3-8	–	7.55
SP3-9	–	a
SP3-10	–	c
SP3-11	–	c
SP3-12	–	a
SP3-13	–	7.33
SP3-14	–	7.29
SP3-15	–	a
SP3-16	–	a
SP3-17	–	a
SP5-1	–	8.27
SP5-2	–	8.03
SP5-3	–	8.08
SP5-4	–	7.99
SP5-5	–	8.06
SP6-1	–	7.31
SP6-2	–	7.15

Field Number	JUNE 91 pH (units)	OCT/NOV 91 pH (units)
SP6-3	–	7.27
SP6-4	–	7.09
SP6-5	–	a
SP6-6	–	a
SP6-7	–	a
SP6-8	–	a
SP6-9	–	a
SP6-10	–	7.00
SP6-11	–	7.01
SP6-12	–	7.82
SP6-13	–	8.14
SP6-14	–	7.96
SP6-15	–	8.11
SP6-16	–	7.95

(a) Insufficient water to sample.
(b) Frozen.
(c) Inaccessible due to weather and ground conditions.
(d) Dry.

1992 PH MEASUREMENTS COLLECTED DURING
SEEP AND SPRING SURVEYS CONDUCTED IN THE LBA #9 AREA

Spring/Seep Number	JUNE 1992 PH (units)
SP1-1	7.38
SP1-2	a
SP1-4a	8.16
SP1-4a(1)	a
SP1-4b(1)	a
SP1-4c	a
SP1-13c	a
SP1-33	a
SP1-34	a
SP1-35	a
SP1-36	a
SP1-37	a
SP1-37a	a
SP1-37b	a
SP1-38	a
SP1-38a	a
SP1-39	a
SP1-40	7.98
SP1-40a	7.86
SP1-41	a
SP1-41a	a

1992 PH MEASUREMENTS COLLECTED DURING
SEEP AND SPRING SURVEYS CONDUCTED IN THE LBA #9 AREA

Spring/Seep Number	JUNE 1992 PH (units)
SP1-42	8.56
SP1-42a	a
SP1-43	a
SP1-43a	a
SP1-44	a
SP1-45	a
SP1-45a	a
SP1-46	a
SP1-47	a
SP2-1	8.12
SP2-2	7.99
SP2-2a	a
SP2-3	7.78
SP2-3a	a
SP2-3b	8.01
SP2-4	a
SP2-5	a
SP2-6	a
SP2-7	a
SP2-8	a
SP2-18	a
SP2-19	8.06

1992 PH MEASUREMENTS COLLECTED DURING
SEEP AND SPRING SURVEYS CONDUCTED IN THE LBA #9 AREA

Spring/Seep Number	JUNE 1992 PH (units)
SP2-20	7.25
SP2-21	8.61
SP2-21a	a
SP2-21b	a
SP2-22	7.81
SP2-22a	8.16
SP2-23	8.42
SP3-2	a
SP3-3	a
SP3-4	7.72
SP3-5	a
SP3-6	a
SP3-7	7.67
SP3-8	8.98
SP3-9	a
SP3-10	7.97
SP3-10a	a
SP3-10b	a
SP3-11	8.35
SP3-12	a
SP3-13	7.58
SP3-13a	7.08

1992 PH MEASUREMENTS COLLECTED DURING
SEEP AND SPRING SURVEYS CONDUCTED IN THE LBA #9 AREA

Spring/Seep Number	JUNE 1992 PH (units)
SP3-13b	a
SP3-16	a
SP3-16a	a
SP3-16b	8.05
SP5-1	8.13
SP5-1a	a
SP6-1	7.91
SP6-2	7.81
SP6-3	7.83
SP6-3a	7.68
SP6-4	a
SP6-5	a
SP6-9	a
SP6-10	a
SP6-11	8.08
SP6-11a	7.91

1992 PH MEASUREMENTS COLLECTED DURING
SEEP AND SPRING SURVEYS CONDUCTED IN THE LBA #9 AREA

Spring/Seep Number	JUNE 1992 PH (units)
SP6-11b	7.88
SP6-12	7.82
SP6-13	a
SP6-13a	a
SP6-13b	8.01
SP6-13c	a
SP6-13d	a
SP6-14	a
SP6-15	a
SP6-15a	7.66
SP6-15b	7.87
SP6-16	a
SP7-1	a
SP7-2	a
SP7-3	8.34

(a) Insufficient water to sample
(b) Frozen
(c) Inaccessible due to ground/weather conditions