APPENDIX 7-17

SEEP AND SPRING FLOW RATE AND TEMPERATURE MEASUREMENTS

Results of flow conditions and temperature measurem[illegible] for the period of June 1985 through OCT./NOV. 1990 seep and [illegible]veys in the coal leases and adjacent areas.

Field Number	JUNE 1985 Flow (gpm)	JUNE 1985 Temp (C)	OCT. 1985 Flow (gpm)	OCT. 1985 Temp (C)	JULY 1987 Flow (gpm)	JULY 1987 Temp (C)	OCT. 1987 Flow (gpm)	OCT. 1987 Temp (C)	OCT. 1989 Flow (gpm)	OCT. 1989 Temp (C)	JUNE 1990 Flow (gpm)	JUNE 1990 Temp (C)	OCT./NOV 1990 Flow (gpm)	OCT./NOV 1990 Temp (C)
SP-1	Seep	(a)	Dry	–	–	–	–	–	–	–	–	–	–	–
SP-2	Seep	(a)	Dry	–	–	–	–	–	–	–	–	–	–	–
SP-3	4	17.0	Dry	–	–	–	–	–	–	–	–	–	–	–
SP-4	6	10.0	Seep	(a)	–	–	–	–	–	–	–	–	–	–
SP-5	Seep	(a)	Dry	–	–	–	–	–	–	–	–	–	–	–
SP-6	5	4.5	Dry	–	–	–	–	–	–	–	–	–	–	–
SP-7	10	10.0	Dry	–	–	–	–	–	Dry	–	4	6.0	(c)	–
SP-8	20	3.5	Dry	–	–	–	–	–	Dry	–	5	4.0	(c)	–
SP-9	Seep	(a)	Dry	–	–	–	–	–	Dry	–	5	4.0	(c)	–
Sp-10	40	10.0	Seep	(a)	–	–	–	–	Dry	–	5	3.0	(c)	–
Sp-11	Seep	(a)	Dry	–	–	–	–	–	Dry	–	1	10.0	(c)	–
SP-12	15	3.0	Seep	(a)	–	–	–	–	Dry	–	5	3.0	(c)	–
Sp-13	3	7.0	Dry	–	–	–	–	–	Seep	(a)	3	6.0	(c)	–
SP-14	25	5.5	1	6.0	–	–	–	–	1.0	6.0	10	4.0	(c)	–
SP-14a	–	–	–	–	–	–	–	–	–	–	1.5	4.0	(c)	–
SP-14b	–	–	–	–	–	–	–	–	–	–	1.5	4.0	(c)	–

..id	JUNE 1985		OCT. 1985		JULY 1987		O(		OCT. 1989		JUNE 1990		OCT./NOV. 1990	
Number	Flow (gpm)	Temp (C)	Flow (gpm)	Temp (C)	Flow (gpm)	Temp (C)	Flow (gpm)	..mp (C)	Flow (gpm)	Temp (C)	Flow (gpm)	Temp (C)	Flow (gpm)	Temp (C)
SP-15	Seep	(a)	Dry	–	–	–	–	–	–	–	–	–	–	–
SP-16	1	14.5	Dry	–	–	–	–	–	–	–	–	–	–	–
SP-17	2	10.0	Dry	–	–	–	–	–	–	–	–	–	–	–
SP-18	10	7.0	2	3	–	–	–	–	–	–	–	–	–	–
SP-19	5	6.5	1	3.5	–	–	–	–	–	–	–	–	–	–
SP-20	Seep	(a)	Dry	–	–	–	–	–	–	–	–	–	–	–
SP-21	2	13.5	Dry	–	–	–	–	–	–	–	–	–	–	–
SP-22	4	3.5	1	3.5										
SP-23	5	6.0	2	3.5										
SP-24	2	6.0	Dry	–	–	–	–	–	–	–	–	–	–	–
SP-25	<1	10.0	Dry	–	–	–	–	–	–	–	–	–	–	–
SP-26	Seep	(a)	Seep	(a)	–	–	–	–	–	–	–	–	–	–
SP-27	Seep	(a)	Seep	(a)	–	–	–	–	–	–	–	–	–	–
SP-28	Seep	(a)	Dry	–	–	–	–	–	–	–	–	–	–	–
SP-29	Seep	(a)	Dry	–	–	–	–	–	–	–	–	–	–	–
SP-30	1	16.5	<1	4.0	–	–	–	–	–	–	–	–	–	–
SP-31	Seep	(a)	Dry	–	–	–	–	–	–	–	–	–	–	–
SP-32	Seep	(a)	Dry	–	–	–	–	–	–	–	–	–	–	–

GENWAL COAL COMPANY INCORPORATED
SEEP AND SPRING SURVEY
OCTOBER 1992

SEEP/SPRING NUMBER	pH (units)	CONDUCTIVITY (umhos/cm @ 25°C)	FLOW RATE (gpm)	TEMPERATURE (°C)
SP 1-1			DRY	
SP 1-2	7.98	517	SEMI-FROZEN	0
SP 1-4A			DRY	
SP 1-4A(1)	a	a	SEEP	a
SP 1-4B(1)	a	a	SEEP	a
SP 1-4C	8.21	517	7	7
SP 1-13C	a	a	SEEP	8
SP 1-13BB	8.35	494	2.5	8
SP 1-13D	7.84	560	1.0	12
SP 1-33	8.04	529	<.25	5.5
SP 1-34		a	SEEP	a
SP 1-35	8.09	542	.5	5
SP 1-36	8.22	481	<.25	5.5
SP 1-37	8.31	538	.5	4
SP 1-37A	8.12	546	.5	5
SP 1-37B	7.70	591	.5	5.5
SP 1-38	8.05	534	.25	3
SP 1-38A	8.16	587	.25	5.5
SP 1-39	8.04	511	<.25	5.5
SP 1-40	7.81	537	<.25	3
SP 1-40A	a	a	SEEP	a
SP 1-41	a	a	DRY	a
SP 1-41A	a	a	SEEP	a

Revised 8-10-93

GENWAL COAL COMPANY INCORPORATED
SEEP AND SPRING SURVEY
OCTOBER 1992

SEEP/SPRING NUMBER	pH (units)	CONDUCTIVITY (umhos/cm @ 25°C)	FLOW RATE (gpm)	TEMPERATURE (°C)
SP 1-42	a	a	SEEP	a
SP 1-42A	8.00	577	<.25	5
SP 1-43	7.77	560	<.25	5.5
SP 1-43A	a	a	SEEP	a
SP 1-44	8.23	533	1	5.5
SP 1-45	a	a	SEEP	a
SP 1-45A	a	a	SEEP	a
SP 1-46	7.88	538	1	3
SP 1-47	7.69	524	<.25	5
SP 2-1	8.00	610	.5	5.5
SP 2-2	8.01	590	1	3
SP 2-2A			DRY	
SP 2-3	8.07	553	<.25	5.5
SP 2-3A	a	a	SEEP	a
SP 2-3B	a	a	SEEP	a
SP 2-4			DRY	
SP 2-5			DRY	
SP 2-6	8.07	565	1	4
SP 2-7			DRY	
SP 2-8	7.63	600	<.25	5.5
SP 2-15	7.97	387	.25	4
SP 2-15A	a	a	SEEP	7
SP 2-15B			b	
SP 2-18	a	a	SEEP	5
SP 2-19			DRY	

Revised 8-10-93

GENWAL COAL COMPANY INCORPORATED
SEEP AND SPRING SURVEY
OCTOBER 1992

SEEP/SPRING NUMBER	pH (units)	CONDUCTIVITY (umhos/cm @ 25°C)	FLOW RATE (gpm)	TEMPERATURE (°C)
SP 2-20			DRY	
SP 2-21			DRY	
SP 2-21A			DRY	
SP 2-21B			DRY	
SP 2-22	a	a	SEEP	4
SP 2-22A	a	a	SEEP	5
SP 2-23	a	a	SEEP	4
SP 3-2			DRY	
SP 3-3	a	a	SEEP	a
SP 3-4			DRY	
SP 3-5			DRY	
SP 3-6			DRY	
SP 3-7			DRY	
SP 3-8			DRY	
SP 3-9			DRY	
SP 3-10	7.73	572	<.25	1
SP 3-10A			DRY	
SP 3-10B			DRY	
SP 3-11	a	a	SEEP	5
SP 3-12	a	a	SEEP	10
SP 3-13	7.90	620	2	5
SP 3-13A	7.66	687	.5	5
SP 3-13B			DRY	

Revised 8-10-93

GENWAL COAL COMPANY INCORPORATED
SEEP AND SPRING SURVEY
OCTOBER 1992

SEEP/SPRING NUMBER	pH (units)	CONDUCTIVITY (umhos/cm @ 25°C)	FLOW RATE (gpm)	TEMPERATURE (°C)
SP 3-16			DRY	
SP 3-16A			DRY	
SP 3-16B	a	a	SEEP	a
SP 5-1	8.00	513	<.25	5
SP 5-1A	7.72	487	<.25	4
SP 6-1			DRY	
SP 6-2	7.94	532	1	5
SP 6-3	8.17	490	<.25	5
SP 6-3A	a	a	SEEP	5
SP 6-4	8.27	531	.5	5
SP 6-5	a	a	SEEP	10
SP 6-9			DRY	
SP 6-10			DRY	
SP 6-11			DRY	
SP 6-11A			DRY	
SP 6-11B	8.10	515	<.25	7
SP 6-12	8.16	274	<.25	5
SP 6-13	8.38	391	2	3
SP 6-13A	8.08	374	1.75	5.5
SP 6-13B	8.07	427	<.25	12
SP 6-13C	a	a	SEEP	a
SP 6-13D	7.90	381	<.25	5
SP 6-14	8.17	565	<.25	6.5
SP 6-15	7.94	570	<.25	5.5

Revised 8-10-93

GENWAL COAL COMPANY INCORPORATED
SEEP AND SPRING SURVEY
OCTOBER 1992

SEEP/SPRING NUMBER	pH (units)	CONDUCTIVITY (umhos/cm @ 25°C)	FLOW RATE (gpm)	TEMPERATURE (°C)
SP 6-15A	a	a	SEEP	a
SP 6-15B	8.18	701	<.25	5.5
SP 6-16	8.17	560	<.25	6
SP 7-1	8.08	391	<.25	3
SP 7-2	a	a	SEEP	a
SP 7-3	8.41	899	1	5

(a) Insufficient water to sample
(b) Frozen

Revised 8-10-93

GENWAL COAL COMPANY INCORPORATED
SEEP AND SPRING SURVEY DATA
JUNE 1993

SEEP/SPRING NUMBER	PH (units)	CONDUCTIVITY (umhos/cm @ 25°C)	FLOW RATE (gpm)	TEMPERATURE (°C)
6	a	a	SEEP	a
14A	8.27	355	8	3
15	a	a	SEEP	a
16	8.35	462	1/5	8
17	8.48	407	3	10
18	8.50	447	< 1/8	8
19	a	a	SEEP	a
22	a	a	SEEP	a
22A	7.96	472	1/2	4
23	8.19	498	1/2	10
24	8.54	555	10	8
26	a	a	SEEP	a
27	a	a	SEEP	a
28	a	a	SEEP	a
29	a	a	SEEP	a
33			DRY	
34			DRY	
35			DRY	
36			DRY	
37			DRY	
38			DRY	
39	8.64	718	2	8
40			DRY	
41			DRY	
42			DRY	
64	8.34	1180	5	5

Revised 8-10-93

GENWAL COAL COMPANY INCORPORATED
SEEP AND SPRING SURVEY DATA
JUNE 1993

SEEP/SPRING NUMBER	PH (units)	CONDUCTIVITY (umhos/cm @ 25°C)	FLOW RATE (gpm)	TEMPERATURE (°C)
65	8.30	1170	5	6
68	8.16	444	10	6
69	8.10	473	10	5
70	8.33	430	10	6
71	8.08	468	2	5
72	8.27	445	1/2	7
73	8.26	417	10	5
74			DRY	
75			DRY	
76			DRY	
78			DRY	
79			DRY	
80	a	a	SEEP	a
1-2			b	
1-4A	8.63	214	25	5
1-4B	7.83	244	15	5
1-4B1	a	a	SEEP	a
1-4C	a	a	SEEP	a
1-10A	8.33	329	5	3
1-10B	8.02	404	< 1/8	5
1-13A	8.26	362	< 1/8	10
1-13BB	7.97	363	5	4
1-13C	8.23	398	1	6
1-13D	8.14	411	1	10
1-16A	8.03	583	15	4
1-18A	8.93	258	10	6

Revised 8-10-93

GENWAL COAL COMPANY INCORPORATED
SEEP AND SPRING SURVEY DATA
JUNE 1993

SEEP/SPRING NUMBER	PH (units)	CONDUCTIVITY (umhos/cm @ 25°C)	FLOW RATE (gpm)	TEMPERATURE (°C)
1-21B	8.62	315	5	5
1-22	7.17	556	1	4
1-29	7.98	315	3	5
1-30A	8.12	350	2	5
1-31A	8.12	350	2	5
1-32	8.71	388	1	6
1-32A	7.75	407	1	4
1-37B	8.20	449	1/4	11
1-38A	a	a	SEEP	a
1-41A	8.0	399	3	5
1-42A	a	a	SEEP	a
1-43A	7.79	461	2	4
1-45A	a	a	SEEP	a
1-48A	8.13	383	5	5
1-49	8.23	385	8	5
1-49A	7.75	441	1 1/2	4
1-50	8.02	427	1	5
1-51	7.58	556	1	4
1-51A	7.74	465	5	5
1-51B	8.0	371	8	5
1-51C	8.88	231	8	5
1-53A	8.74	427	1	3
1-53AA	7.94	409	1	5
1-53B	8.3	395	5	4
1-53C	8.16	390	10	3
1-54	a	a	SEEP	a

Revised 8-10-93

GENWAL COAL COMPANY INCORPORATED
SEEP AND SPRING SURVEY DATA
JUNE 1993

SEEP/SPRING NUMBER	PH (units)	CONDUCTIVITY (umhos/cm @ 25°C)	FLOW RATE (gpm)	TEMPERATURE (°C)
2-3A	7.84	432	4	5
2-3B	7.95	408	2	5
2-9	8.06	293	8	3
2-9A	8.27	270	10	5
2-13	8.30	236	5	6
2-14	8.49	220	3	5
2-15A	8.17	226	2	5
2-15B	8.06	278	4	6
2-21A	a	a	SEEP	a
2-21B	a	a	SEEP	a
2-24	7.21	588	15	5
2-24A	8.76	222	8	5
2-24B	8.89	242	5	6
2-32A			DRY	
2-32B	8.66	346	25	6
2-33A			DRY	
2-34A	8.04	327	< 1/8	6
2-36A	a	a	SEEP	a
2-36BW	8.60	307	10	6
2-38A	8.79	304	2	6
2-38B	8.32	359	15	6
2-38C	8.66	301	10	6
2-40A	8.22	342	< 1/8	6
2-40C	7.98	402	7	6
2-43	8.70	350	20	5
2-43A	8.34	384	20	5

Revised 8-10-93

GENWAL COAL COMPANY INCORPORATED
SEEP AND SPRING SURVEY DATA
JUNE 1993

SEEP/SPRING NUMBER	PH (units)	CONDUCTIVITY (umhos/cm @ 25°C)	FLOW RATE (gpm)	TEMPERATURE (°C)
2-44	8.17	451	15	5
2-44A			DRY	
2-44A2	8.31	414	10	5
4-44A3	8.17	420	10	6
2-44A4	8.20	416	10	6
2-44B	8.02	449	6	6
3-2	a	a	SEEP	a
3-3	a	a	SEEP	a
3-4	a	a	SEEP	a
3-5	a	a	SEEP	a
3-6	a	a	SEEP	a
3-7	a	a	SEEP	a
3-8	8.23	391	1	6
3-9	a	a	SEEP	a
3-10	a	a	SEEP	a
3-11	8.48	276	10	5
3-12	8.08	404	1/2	7
3-13	7.97	417	5	6
3-13A	8.40	190	10	5
3-13B	a	a	SEEP	a
3-16	a	a	SEEP	a
3-16A	8.43	328	8	6
3-16B	8.54	377	12	6
3-17	8.20	430	10	6
5-1A	8.00	316	12	3
5-2	8.31	428	10	5

Revised 8-10-93

GENWAL COAL COMPANY INCORPORATED
SEEP AND SPRING SURVEY DATA
JUNE 1993

SEEP/SPRING NUMBER	PH (units)	CONDUCTIVITY (umhos/cm @ 25°C)	FLOW RATE (gpm)	TEMPERATURE (°C)
5-3	7.99	438	8	6
5-4	a	a	SEEP	a
5-5	8.02	482	2	6
6-1			DRY	
6-1A	8.35	404	4	5
6-2	7.95	346	12	3
6-3	8.39	211	10	4
6-3A	8.6	359	2	6
6-4	8.71	346	6	12
6-5	8.57	375	5	4
6-9	a	a	SEEP	a
6-10	8.08	393	4	6
6-11	8.53	351	9	6
6-11A	8.45	352	14	6
6-11B	8.22	355	60	3
6-12	8.39	165	3	5
6-13A	8.12	418	15	5
6-13B	7.94	255	3	5
6-13C	8.27	192	2	5
6-13D	8.27	262	2	5
6-14	8.79	317	5	5
6-15	7.52	170	2	6
6-15A			DRY	
6-15B	a	a	SEEP	a
6-16	8.98	352	4	4
7-1	8.76	408	< 1/8	10

Revised 8-10-93

GENWAL COAL COMPANY INCORPORATED
SEEP AND SPRING SURVEY DATA
JUNE 1993

SEEP/SPRING NUMBER	PH (units)	CONDUCTIVITY (umhos/cm @ 25°C)	FLOW RATE (gpm)	TEMPERATURE (°C)
7-2	8.45	499	2	6
7-3	a	a	SEEP	a

(a) Insufficient water to sample
(b) Frozen

Revised 8-10-93

Field Number	JUNE 1985 Flow (gpm)	JUNE 1985 Temp (C)	OCT. 1985 Flow (gpm)	OCT. 1985 Temp (C)	JULY 1987 Flow (gpm)	JULY 1987 Temp (C)	C Flow (gpm)	Temp (C)	OCT. 1989 Flow (gpm)	OCT. 1989 Temp (C)	JUNE 1990 Flow (gpm)	JUNE 1990 Temp (C)	OCT./NOV. 1990 Flow (gpm)	OCT./NOV. 1990 Temp (C)
SP-33	Seep	(a)	Dry	–	–	–	–	–	–	–	–	–	–	–
SP-34	Seep	(a)	Dry	–	–	–	–	–	–	–	–	–	–	–
SP-35	Seep	(a)	Dry	–	–	–	–	–	–	–	–	–	–	–
SP-36	2	16.0	1	4.0	–	–	–	–	–	–	–	–	–	–
SP-37	Seep	(a)	Dry	–	–	–	–	–	–	–	–	–	–	–
SP-38	<1	9.0	Dry	–	–	–	–	–	–	–	–	–	–	–
SP-39	Seep	(a)	Dry	–	–	–	–	–	–	–	–	–	–	–
SP-40	Seep	(a)	Dry	–	–	–	–	–	–	–	–	–	–	–
SP-41	Seep	(a)	Dry	–	–	–	–	–	–	–	–	–	–	–
SP-42	Seep	(a)	Dry	–	–	–	–	–	–	–	–	–	–	–
SP-43	Seep	(a)	Dry	–	–	–	–	–	Dry	–	Dry	–	(c)	–
SP-44	Seep	(a)	Dry	–	–	–	–	–	Dry	–	Dry	–	(c)	–
SP-45	Seep	(a)	Dry	–	–	–	–	–	Dry	–	Dry	–	(c)	–
SP-46	Seep	(a)	Dry	–	–	–	–	–	Dry	–	Seep	(a)	(c)	–
SP-47	Seep	(a)	Dry	–	–	–	–	–	Dry	–	Dry	–	(c)	–
SP-47a	–	–	–	–	–	–	–	–	–	–	–	–	–	–
SP-48	SEEP	(a)	Dry	–	–	–	–	–	Dry	–	Dry	–	(c)	–
SP-48a	–	–	–	–	–	–	–	–	–	–	2	6.0	(c)	–

Field Number	JUNE 1985 Flow (gpm)	JUNE 1985 Temp (C)	OCT. 1985 Flow (gpm)	OCT. 1985 Temp (C)	JULY 1987 Flow (gpm)	JULY 1987 Temp (C)	OCT. 1987 Flow (gpm)	OCT. 1987 Temp (C)	OCT. 1989 Flow (gpm)	OCT. 1989 Temp (C)	JUNE 1990 Flow (gpm)	JUNE 1990 Temp (C)	OCT./NOV. 1990 Flow (gpm)	OCT./NOV. 1990 Temp (C)
SP-48b	–	–	–	–	–	–	–	–	–	–	1.5	6.0	(c)	–
SP-49	Seep	(a)	Dry	–	–	–	–	–	Dry	–	Seep	(a)	Dry	–
SP-50	Seep	(a)	Dry	–	–	–	–	–	Dry	–	Seep	(a)	Dry	–
SP-51	Seep	(a)	Dry	–	–	–	–	–	Dry	–	Seep	(a)	Dry	–
SP-52	1	12.0	1	7.0	–	–	–	–	<<1	6.7	<1	11.0	Dry	–
SP-53	8	5.5	5	5.0	–	–	–	–	Dry	–	<1	6.0	4.0	5.0
SP-54	15	5.5	5	5.5	–	–	–	–	<<1	2.2	2	5.0	Dry	–
SP-55	10	5.5	10	5.5	–	–	–	–	Seep	(a)	5	6.0	Dry	–
SP-56	15	5.5	15	6.5	–	–	–	–	Seep	(a)	5	6.0	Dry	–
SP-57	6	5.5	4.5	4.5	–	–	–	–	Dry	–	Seep	(a)	(b)	–
SP-58	10	5.0	5	9.0	–	–	–	–	4	5.6	20	5.0	6.0	5.0
SP-59	1	7.0	1	5.0	–	–	–	–	Dry	–	Seep	(a)	Dry	–
SP-60	Seep	(a)	Dry	–	–	–	–	–	Dry	–	Seep	(a)	(c)	–
SP-61	15	2.0	1	9.0	–	–	–	–	Dry	–	3	4.0	(c)	–
SP-62	Seep	(a)	Dry	–	–	–	–	–	Dry	(a)	Seep	(a)	(c)	–
SP-63	Seep	(a)	Dry	–	–	–	–	–	Dry	–	Seep	(a)	(c)	–
SP-64	10	3.0	Dry	–	–	–	–	–	Dry	–	2	5.0	(c)	–

Field Number	JUNE 1985 Flow (gpm)	JUNE 1985 Temp (C)	OCT. 1985 Flow (gpm)	OCT. 1985 Temp (C)	JULY 1987 Flow (gpm)	JULY 1987 Temp (C)	OCT. 1987 Flow (gpm)	OCT. 1987 Temp (C)	OCT. 1989 Flow (gpm)	OCT. 1989 Temp (C)	JUNE 1990 Flow (gpm)	JUNE 1990 Temp (C)	OCT./NOV. 1990 Flow (gpm)	OCT./NOV. 1990 Temp (C)
SP-65	15	5.0	<1	3.5	–	–	–	–	–	–	–	–	–	–
SP-66	Seep	(a)	Dry	–	–	–	–	–	–	–	–	–	–	–
SP-67	Seep	(a)	Dry	–	–	–	–	–	–	–	–	–	–	–
SP-68	Seep	(a)	Dry	–	–	–	–	–	–	–	–	–	–	–
SP-69	Seep	(a)	Dry	–	–	–	–	–	–	–	–	–	–	–
SP-70	15	3.5	Seep	(a)	–	–	–	–	–	–	–	–	–	–
SP-71	Seep	(a)	Seep	(a)	–	–	–	–	–	–	–	–	–	–
SP-72	Seep	(a)	Dry	–	–	–	–	–	–	–	–	–	–	–
SP-73	Seep	(a)	Dry	–	–	–	–	–	–	–	–	–	–	–
SP-74	Seep	(a)	Dry	–	–	–	–	–	–	–	–	–	–	–
SP-75	Seep	(a)	Dry	–	–	–	–	–	–	–	–	–	–	–
SP-76	1	10.0	1	5.0	–	–	–	–	–	–	–	–	–	–
SP-77	Seep	(a)	Dry	–	–	–	–	–	–	–	–	–	–	–
SP-78	Seep	(a)	Dry	–	–	–	–	–	–	–	–	–	–	–
SP-79	Seep	(a)	Dry	–	–	–	–	–	–	–	–	–	–	–
SP-80	Seep	(a)	Dry	–	–	–	–	–	–	–	–	–	–	–
SP1-1	–	–	–	–	<<1	2.9	3	7.0	Seep	(a)	<1	7.0	Seep	8

Field Number	JUNE 1985 Flow (gpm)	JUNE 1985 Temp (C)	OCT. 1985 Flow (gpm)	OCT. 1985 Temp (C)	JULY 1987 Flow (gpm)	JULY 1987 Temp (C)	OCT. 1987 Flow (gpm)	OCT. 1987 Temp (C)	OCT. 1989 Flow (gpm)	OCT. 1989 Temp (C)	JUNE 1990 Flow (gpm)	JUNE 1990 Temp (C)	OCT./NOV. 1990 Flow (gpm)	OCT./NOV. 1990 Temp (C)
SP1-2	–	–	–	–	2	4.0	Dry	–	Dry	–	2.5	9.0	(b)	–
SP1-2a	–	–	–	–	5	4.0	1	7.0	<<1	2.9	3	3.0	Seep	1.0
SP1-3	–	–	–	–	<1	2.0	<1	2.0	<<1	2.8	3	3.0	(b)	2.0
SP1-4	–	–	–	–	Seep	(a)	Seep	(a)	Dry	–	<1	3.0	Dry	–
SP1-5	–	–	–	–	Seep	(a)	Seep	(a)	Dry	–	<1	4.0	Dry	–
SP1-6	–	–	–	–	Seep	(a)	Seep	(a)	Dry	–	<1	4.0	Seep	(a)
SP1-7	–	–	–	–	Seep	(a)	Seep	(a)	Dry	–	<1	7.0	Seep	(a)
SP1-8	–	–	–	–	<<1	11.0	Dry	–	<<1	5.6	1	10.0	Seep	6.0
SP1-9	–	–	–	–	Seep	(a)	Seep	(a)	Seep	(a)	1.5	4.0	Seep	8.0
SP1-10	–	–	–	–	Seep	(a)	Seep	(a)	Dry	–	2	4.0	(c)	–
SP1-10a	–	–	–	–	–	–	–	–	(b)	–	Dry	–	(c)	–
SP1-10b	–	–	–	–	–	–	–	–	–	–	4	–	4	(c)
SP1-11	–	–	–	–	3	4.0	Dry	–	(b)	–	5	4.0	Dry	–
SP1-12	–	–	–	–	Seep	(a)	Seep	(a)	<<1	3.3	10	5.0	Dry	–
SP1-13	–	–	–	–	Seep	(a)	Seep	(a)	Seep	(a)	3	6.0	Seep	(a)
SP1-13a	–	–	–	–	–	–	–	–	–	–	2	5.0	5	6.0
SP1-13b	–	–	–	–	–	–	–	–	–	–	5	3.0	1	5.0

Field Number	JUNE 1985 Flow (gpm)	JUNE 1985 Temp (C)	OCT. 1985 Flow (gpm)	OCT. 1985 Temp (C)	JULY 1987 Flow (gpm)	JULY 1987 Temp (C)	OCT. 1987 Flow (gpm)	OCT. 1987 Temp (C)	OCT. 1989 Flow (gpm)	OCT. 1989 Temp (C)	JUNE 1990 Flow (gpm)	JUNE 1990 Temp (C)	OCT./NOV. 1990 Flow (gpm)	OCT./NOV. 1990 Temp (C)
SP1-14	–	–	–	–	Seep	(a)	Seep	(a)	Seep	(a)	10	4.0	Seep	(a)
SP1-15	–	–	–	–	<<1	5.0	Dry	–	<<1	2.2	10	6.0	Dry	–
SP1-16	–	–	–	–	<<1	11.0	Dry	–	Dry	–	20	5.0	0.25	5.0
SP1-16a	–	–	–	–	–	–	–	–	–	–	15	5.0	Seep	5.0
SP1-17	–	–	–	–	10	5.0	2	4.0	Dry	–	40	5.0	Dry	–
SP1-17a	–	–	–	–	–	–	–	–	–	–	10	5.0	Dry	–
SP1-18	–	–	–	–	Seep	(a)	Seep	(a)	Dry	–	50	5.0	Seep	(a)
SP1-19	–	–	–	–	<<1	6.0	Dry	–	Dry	–	30	4.0	0.25	5.0
SP1-20	–	–	–	–	<1	4.0	<1	8.0	(b)	–	10	4.0	0.25	5.0
SP1-21	–	–	–	–	<1	4.0	Dry	–	(b)	–	15	4.0	Seep	(a)
SP1-21a	–	–	–	–	–	–	–	–	–	–	10	6.0	Seep	(a)
SP1-21b	–	–	–	–	–	–	–	–	–	–	5	4.0	Dry	–
SP1-22	–	–	–	–	Seep	(a)	Seep	(a)	Dry	–	5	4.0	Dry	–
SP1-23	–	–	–	–	Seep	(a)	Seep	(a)	Dry	–	7	5.0	Seep	(a)
SP1-24	–	–	–	–	<1	5.0	Seep	(a)	<<1	3.3	5	5.0	Seep	5.5
SP1-25	–	–	–	–	3	3.6	3	7.0	<<1	4.4	3	4.0	1.0	4.0
SP1-26	–	–	–	–	2	3.7	2	7.0	<1	4.4	3	3.0	0.5	4.0

Field Number	JUNE 1985 Flow (gpm)	JUNE 1985 Temp (C)	OCT. 1985 Flow (gpm)	OCT. 1985 Temp (C)	JULY 1987 Flow (gpm)	JULY 1987 Temp (C)	OCT. 1987 Flow (gpm)	OCT. 1987 Temp (C)	OCT. 1989 Flow (gpm)	OCT. 1989 Temp (C)	JUNE 1990 Flow (gpm)	JUNE 1990 Temp (C)	OCT./NOV. 1990 Flow (gpm)	OCT./NOV. 1990 Temp (C)
SP1-27	–	–	–	–	<1	2.8	Dry	–	<<1	5.0	2	2.0	0.5	3.0
SP1-28	–	–	–	–	Seep	(a)	Seep	(a)	Dry	–	Seep	(a)	(c)	–
SP1-29	–	–	–	–	<<1	3.0	Dry	–	Seep	(a)	2	4.0	(b)	–
SP1-29a	–	–	–	–	–	–	–	–	–	–	Seep	(a)	(b)	–
SP1-29b	–	–	–	–	–	–	–	–	–	–	Seep	(a)	(b)	–
SP1-30	–	–	–	–	<1	3.1	Dry	–	<<1	6.8	10.5	4.0	(c)	–
SP1-30a	–	–	–	–	–	–	–	–	–	–	Seep	(a)	(c)	–
SP1-30b	–	–	–	–	–	–	–	–	–	–	Seep	(a)	(c)	–
SP1-31	–	–	–	–	<1	3.3	Dry	–	Seep	(a)	5	7.0	(c)	–
SP1-32	–	–	–	–	Seep	(a)	Seep	(a)	–	–	5	4.0	(c)	–
SP1-32a	–	–	–	–	–	–	–	–	–	–	10	4.0	Dry	–
SP1-33	–	–	–	–	Seep	(a)	<1	7.0	<1	5.5	2	16.0	3.0	7.0
SP1-34	–	–	–	–	<<1	4.0	15	8.0	<<1	10.8	8	14.0	Seep	(a)
SP1-35	–	–	–	–	1	11.0	4	7.0	<<1	14.5	15	6.0	0.5	7.0
SP1-36	–	–	–	–	<<1	4.0	3	8.0	<<1	9.3	3	7.0	1.0	7.0
SP1-37	–	–	–	–	Seep	(a)	4	5.0	<<1	5.6	2	15.0	2.0	7.0
SP1-37a	–	–	–	–	<1	4.2	3	7.0	<1	6.5	1	16.0	Seep	(a)

Field Number	JUNE 1985 Flow (gpm)	JUNE 1985 Temp (C)	OCT. 1985 Flow (gpm)	OCT. 1985 Temp (C)	JULY 1987 Flow (gpm)	JULY 1987 Temp (C)	OCT. 1987 Flow (gpm)	OCT. 1987 Temp (C)	OCT. 1989 Flow (gpm)	OCT. 1989 Temp (C)	JUNE 1990 Flow (gpm)	JUNE 1990 Temp (C)	OCT./NOV. 1990 Flow (gpm)	OCT./NOV. 1990 Temp (C)
SP1-38	–	–	–	–	<<1	4.2	2	7.0	<<1	7.4	6	7.0	Seep	(a)
SP1-39	–	–	–	–	<1	4.1	3	7.0	<<1	9.0	4	10.0	Seep	(a)
SP1-40	–	–	–	–	<<1	4.4	10	7.0	<1	6.8	1	12.0	0.5	0.5
SP1-40a	–	–	–	–	Seep	(a)	5	7.0	<<1	5.4	5	13.0	–	–
SP1-41	–	–	–	–	Seep	(a)	2	7.0	Dry	–	Seep	(a)	Seep	(a)
SP1-41a	–	–	–	–	–	–	–	–	–	–	–	–	0.5	9.0
SP1-42	–	–	–	–	1	3.3	<1	10.0	Dry	_	1	8.0	Seep	(a)
SP1-43	–	–	–	–	<1	3.3	1	7.0	Dry	–	10	7.0	Seep	(a)
SP1-44	–	–	–	–	3	12.0	5	7.0	Dry	–	2	14.0	3.0	7.0
SP1-45	–	–	–	–	–	–	–	–	<<1	6.1	5	11.0	2.0	7.0
SP1-46	–	–	–	–	–	–	–	–	<<1	9.0	7	15.0	2.0	12.0
SP1-47	–	–	–	–	–	–	–	–	<<1	6.8	4	11.0	0.5	9.0
SP1-48	–	–	–	–	–	–	–	–	<<1	4.1	1.5	4.0	Seep	(a)
SP1-49	–	–	–	–	–	–	–	–	Seep	(a)	5	5.0	(c)	–
SP1-50	–	–	–	–	–	–	–	–	Seep	(a)	2.5	6.0	(c)	–
SP1-51	–	–	–	–	–	–	–	–	<<1	7.9	5	4.0	(c)	–
SP1-52	–	–	–	–	–	–	–	–	Seep	(a)	10	4.0	(c)	–

Field Number	JUNE 1985 Flow (gpm)	JUNE 1985 Temp (C)	OCT. 1985 Flow (gpm)	OCT. 1985 Temp (C)	JULY 1987 Flow (gpm)	JULY 1987 Temp (C)	OCT. 1987 Flow (gpm)	OCT. 1987 Temp (C)	OCT. 1989 Flow (gpm)	OCT. 1989 Temp (C)	JUNE 1990 Flow (gpm)	JUNE 1990 Temp (C)	OCT./NOV. 1990 Flow (gpm)	OCT./NOV. 1990 Temp (C)
SP1-53	–	–	–	–	–	–	–	–	<<1	7.5	1	6.0	Seep	2.0
SP1-53a	–	–	–	–	–	–	–	–	–	–	<1	10.0	(c)	–
SP1-54	–	–	–	–	–	–	–	–	<<1	4.9	Seep	(a)	(c)	–
SP2-1	–	–	–	–	4	5.0	Dry	–	1.5	10.0	10	7.0	Seep	(a)
SP2-2	–	–	–	–	Seep	(a)	Seep	(a)	Dry	–	15	7.0	Dry	–
SP2-2a	–	–	–	–	–	–	–	–	–	–	5	13.0	0.5	4.0
SP2-3	–	–	–	–	5	14.0	Dry	–	<<1	5.5	1	8.0	Seep	(a)
SP2-4	–	–	–	–	10	6.0	Dry	–	Dry	–	6	9.0	Dry	–
SP2-5	–	–	–	–	2	5.0	Dry	–	Dry	–	<1	4.0	Dry	–
SP2-6	–	–	–	–	5	5.0	Dry	–	Dry	–	3	7.0	Seep	(a)
SP2-7	–	–	–	–	4	6.0	Dry	–	Dry	–	<1	15.0	Dry	–
SP2-8	–	–	–	–	Seep	(a)	Dry	–	Dry	–	1	12.0	1.0	6.0
SP2-9	–	–	–	–	5	5.0	1	4.0	<<1	4.4	2	4.0	Seep	5.5
SP2-10	–	–	–	–	2	6.0	Dry	–	Dry	–	Dry	–	Dry	–
SP2-11	–	–	–	–	<<1	6.0	Dry	–	Dry	–	1	6.0	Dry	–
SP2-12	–	–	–	–	Seep	(a)	Dry	–	Dry	–	<1	6.0	Dry	–
SP2-15	–	–	–	–	2	8.0	Dry	–	Dry	–	2	9.0	(c)	–

Field Number	JUNE 1985 Flow (gpm)	JUNE 1985 Temp (C)	OCT. 1985 Flow (gpm)	OCT. 1985 Temp (C)	JULY 1987 Flow (gpm)	JULY 1987 Temp (C)	OCT. 1987 Flow (gpm)	OCT. 1987 Temp (C)	OCT. 1989 Flow (gpm)	OCT. 1989 Temp (C)	JUNE 1990 Flow (gpm)	JUNE 1990 Temp (C)	OCT./NOV. 1990 Flow (gpm)	OCT./NOV. 1990 Temp (C)
SP2-16	–	–	–	–	Seep	(a)	(c)	(c)	Dry	–	Dry	–	(c)	–
SP2-17	–	–	–	–	<<1	7.0	(c)	(c)	Dry	(c)	(c)	(c)	(c)	–
SP2-18	–	–	–	–	Seep	(a)	(c)	(c)	Dry	–	Seep	(a)	(c)	–
SP2-19	–	–	–	–	Seep	(a)	(c)	(c)	Dry	–	Seep	(a)	(c)	–
SP2-20	–	–	–	–	Seep	(a)	(c)	(c)	Dry	–	Seep	(a)	(c)	–
SP2-21	–	–	–	–	7	5.0	(c)	(c)	Dry	–	Seep	(a)	(c)	–
SP2-22	–	–	–	–	1	5.0	(c)	(c)	Dry	–	4	7.0	(c)	–
SP2-22a	–	–	–	–	–	–	–	–	–	–	5	3.0	(c)	–
SP2-23	–	–	–	–	5	5.0	(c)	(c)	Dry	–	Seep	(a)	(c)	–
SP2-24	–	–	–	–	5	3.5	Seep	(a)	Dry	–	10	4.0	1.0	4.5
SP2-24a	–	–	–	–	–	–	–	–	Seep	(a)	5	5.0	Dry	–
SP2-24b	–	–	–	–	–	–	–	–	–	–	2	5.0	Dry	–
SP2-25	–	–	–	–	Seep	(a)	Seep	(a)	Dry	–	Seep	(a)	Dry	–
SP2-26	–	–	–	–	Seep	(a)	Dry	–	Dry	–	1	6.0	(b)	–
SP2-27	–	–	–	–	4	3.0	1	4.0	<<1	4.4	3	4.0	(b)	–
SP2-28	–	–	–	–	2	4.0	<1	4.0	<<1	3.8	2.5	5.0	Seep	(7.0)
SP2-29	–	–	–	–	2	4.0	Dry	–	Seep	(a)	2	9.0	(c)	–

Field Number	JUNE 1985 Flow (gpm)	JUNE 1985 Temp (C)	OCT. 1985 Flow (gpm)	OCT. 1985 Temp (C)	JULY 1987 Flow (gpm)	JULY 1987 Temp (C)	OCT. 1987 Flow (gpm)	OCT. 1987 Temp (C)	OCT. 1989 Flow (gpm)	OCT. 1989 Temp (C)	JUNE 1990 Flow (gpm)	JUNE 1990 Temp (C)	OCT./NOV. 1990 Flow (gpm)	OCT./NOV. 1990 Temp (C)
SP2-30	–	–	–	–	1	4.0	<<1	4.0	<1	1.1	<1	5.0	(c)	–
SP2-30a	–	–	–	–	–	–	–	–	–	–	<1	5.0	(c)	–
SP2-31	–	–	–	–	2	6.0	Seep	(a)	Seep	(a)	5	4.0	(b)	–
SP2-32	–	–	–	–	2	4.0	<1	4.0	Seep	(a)	5	10.0	(b)	–
SP2-32a	–	–	–	–	–	–	–	–	–	–	1	5.0	(b)	–
SP2-32b	–	–	–	–	–	–	–	–	–	–	Seep	(a)	(b)	–
SP2-33	–	–	–	–	2	4.0	Dry	–	Seep	(a)	Seep	(a)	(b)	–
SP2-33a	–	–	–	–	4	4.0	1	5.0	<<1	2.2	15	5.0	0.5	4.0
SP2-34	–	–	–	–	2	6.0	Dry	–	Dry	–	7	6.0	(b)	–
SP2-35	–	–	–	–	5	6.0	<1	5.0	<<1	5.6	15	5.0	(c)	–
SP2-36	–	–	–	–	Seep	(a)	Dry	–	Dry	_	5	15.0	(c)	–
SP2-36a	–	–	–	–	–	–	–	–	–	–	1	8.0	(c)	–
SP2-36b	–	–	–	–	–	–	–	–	–	–	3	4.0	(c)	–
SP2-37	–	–	–	–	6	5.0	Dry	–	<<1	8.9	5	15.0	(c)	–
SP2-38	–	–	–	–	5	4.0	Dry	–	Seep	(a)	10	6.0	(c)	–
SP2-39	–	–	–	–	4	6.0	Dry	–	Dry	–	Dry	–	(c)	–
SP2-40	–	–	–	–	3	5.0	Dry	–	Dry	–	Dry	–	(c)	–

Field Number	JUNE 1985 Flow (gpm)	JUNE 1985 Temp (C)	OCT. 1985 Flow (gpm)	OCT. 1985 Temp (C)	JULY 1987 Flow (gpm)	JULY 1987 Temp (C)	OCT. 1987 Flow (gpm)	OCT. 1987 Temp (C)	OCT. 1989 Flow (gpm)	OCT. 1989 Temp (C)	JUNE 1990 Flow (gpm)	JUNE 1990 Temp (C)	OCT./NOV. 1990 Flow (gpm)	OCT./NOV. 1990 Temp (C)
SP2-40a	–	–	–	–	–	–	–	–	–	–	7	5.0	(c)	–
SP2-40b	–	–	–	–	–	–	–	–	–	–	<1	5.0	(c)	–
SP2-41	–	–	–	–	3	6.0	Seep	(a)	Seep	(a)	1	6.0	(c)	–
SP2-42	–	–	–	–	–	–	–	–	<<1	3.1	5	4.0	0.25	3.0
SP2-43	–	–	–	–	–	–	–	–	Seep	(a)	1	5.0	0.5	6.0
SP2-43a	–	–	–	–	–	–	–	–	–	–	3	7.0	0.5	8.0
SP2-44	–	–	–	–	–	–	–	–	Seep	(a)	1	5.0	(b)	–
SP2-44a	–	–	–	–	–	–	–	–	–	–	<1	5.0	(b)	–
SP2-44b	–	–	–	–	–	–	–	–	–	–	1	5.0	(b)	–

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

Results of flow conditions and temperature measurements for the 1991 seep and spring surveys in the coal leases and adjacent areas.

Field Number	JUNE 1991 Flow (gpm)	JUNE 1991 Temp (c)	OCT/NOV 1991 Flow (gpm)	OCT/NOV 1991 Temp (c)
SP-7	DRY	a	DRY	a
SP-8	20	2	2	3
SP-9	SEEP	4	0.5	4
SP-10	SEEP	5	1	4
SP-11	2.5	4	0.1	5
SP-12	SEEP	5	c	c
SP-13	SEEP	6	0.1	6
SP-14	1.5	6	0.1	5
SP-14a	2	5	c	c
SP-14b	DRY	a	c	c
SP-43	DRY	a	DRY	a
SP-44	DRY	a	DRY	a
SP-45	DRY	a	DRY	a
SP-46	DRY	a	DRY	a
SP-47	DRY	a	DRY	a
SP-47a	2	5	0.1	6
SP-48	DRY	a	DRY	a
SP-48a	DRY	a	DRY	a
SP-48b	DRY	a	DRY	a
SP-49	SEEP	a	DRY	a
SP-50	2.5	6	DRY	a
SP-51	DRY	a	DRY	a

Field Number	JUNE 1991 Flow (gpm)	JUNE 1991 Temp (c)	OCT/NOV 1991 Flow (gpm)	OCT/NOV 1991 Temp (c)
SP-52	0.25	5	0.5	6
SP-53	DRY	a	DRY	a
SP-54	3	4	5	4
SP-55	8	4	SEEP	a
SP-56	3	4	1	7
SP-57	DRY	a	DRY	a
SP-57a	1	4	c	c
SP-58	15	4	5	5
SP-59	DRY	a	DRY	a
SP-60	DRY	a	c	c
SP-61	DRY	a	c	c
SP-62	DRY	a	c	c
SP-63	0.75	2	c	c
SP-64	0.5	2	c	c
SP1-1	0.5	9	DRY	a
SP1-2	0.5	5	b	b
SP1-2a	7	2	1	2
SP1-2b	2	3	DRY	a
SP1-3	0.5	5	b	b
SP1-3a	0.5	3	DRY	a
SP1-4	5	6	2	5
SP1-4a	1	12	SEEP	a
SP1-4b	–	–	SEEP	a

Field Number	JUNE 1991 Flow (gpm)	JUNE 1991 Temp (c)	OCT/NOV 1991 Flow (gpm)	OCT/NOV 1991 Temp (c)
SP1-5	SEEP	a	0.25	8
SP1-6	15	5	1.5	5
SP1-7	0.25	5	0.5	8
SP1-8	15	3	DRY	a
SP1-9	7	3	1	7
SP1-10	DRY	a	0.5	2
SP1-10a	DRY	a	0.5	7
SP1-10b	25	3	DRY	a
SP1-11	0.5	4	1	4
SP1-12	30	3	b	b
SP1-13	SEEP	a	SEEP	a
SP1-13a	SEEP	a	c	c
SP1-13b	5	4	c	c
SP1-14	DRY	a	DRY	a
SP1-15	30	4	DRY	a
SP1-16	10	4	DRY	a
SP1-16a	5	3	DRY	a
SP1-17	0.5	5	0.5	4
SP1-17a	SEEP	a	15	1
SP1-18	7	3	DRY	a
SP1-18a	–	–	3	5
SP1-19	10	4	DRY	a
SP1-20	5	4	DRY	a

Field Number	JUNE 1991 Flow (gpm)	JUNE 1991 Temp (c)	OCT/NOV 1991 Flow (gpm)	OCT/NOV 1991 Temp (c)
SP1-21	1	4	DRY	a
SP1-21a	2	3	DRY	a
SP1-21b	2	4	DRY	a
SP1-22	SEEP	a	1	4
SP1-23	5	4	0.25	4
SP1-24	2.5	4	0.5	5
SP1-25	10	2	1	4
SP1-26	10	2	0.5	4
SP1-27	4	2	0.5	4
SP1-28	8	8	c	c
SP1-28a	5	5	DRY	a
SP1-28b	3	5	0.25	7
SP1-28c	–	–	3	6
SP1-29	1	2	DRY	a
SP1-29a	SEEP	a	DRY	a
SP1-29b	SEEP	a	DRY	a
SP1-30	c	c	c	c
SP1-30a	10	3	SEEP	a
SP1-30b	<<1	5	SEEP	a
SP1-31	10	4	1	3
SP1-31a	4	3	c	c
SP1-32	–	–	DRY	a
SP1-32a	–	–	SEEP	a

Field Number	JUNE 1991 Flow (gpm)	JUNE 1991 Temp (c)	OCT/NOV 1991 Flow (gpm)	OCT/NOV 1991 Temp (c)
SP1-33	<<1	4	SEEP	0
SP1-34	1	5	0.5	3
SP1-35	5	7	1	2
SP1-36	<<1	7	1	0
SP1-37	<<1	7	7	5
SP1-37a	<<1	6	3	4
SP1-38	<<1	10	7	3
SP1-38a	1	6	DRY	a
SP1-39	1	4	4	7
SP1-40	2	11	0.5	6
SP1-40a	1	11	5	3
SP1-41	1	11	0.5	6
SP1-41a	6	4	SEEP	0
SP1-42	3	5	1	3
SP1-42a	–	–	SEEP	3
SP1-43	4	7	DRY	a
SP1-43a	–	–	SEEP	6
SP1-44	4	4	0.25	6
SP1-45	<<1	9	SEEP	6
SP1-45a	1	4	DRY	a
SP1-46	1.5	10	SEEP	3
SP1-47	0.5	4	SEEP	3
SP1-48	4	2	SEEP	2

Field Number	JUNE 1991 Flow (gpm)	JUNE 1991 Temp (c)	OCT/NOV 1991 Flow (gpm)	OCT/NOV 1991 Temp (c)
SP1-48a	15	4	DRY	a
SP1-49	15	3	DRY	a
SP1-49a	2	3	DRY	a
SP1-50	6	5	SEEP	a
SP1-50a	7	3	DRY	a
SP1-51	5	3	DRY	a
SP1-51a	14	2	SEEP	a
SP1-51b	2	2	DRY	a
SP1-51c	–	–	SEEP	a
SP1-52	15	2	1	3
SP1-53	DRY	a	3	1
SP1-53a	DRY	a	DRY	a
SP1-54	DRY	a	DRY	a
SP1-55	5	4	c	c
SP2-1	8	7	3	5
SP2-2	<1	5	2	4
SP2-2a	20	2	2	4
SP2-3	8	5	3	5
SP2-3a	–	–	0.5	5
SP2-3b	–	–	SEEP	a
SP2-4	13	4	SEEP	a
SP2-5	1	7	DRY	a
SP2-6	7	4	SEEP	a

Field Number	JUNE 1991 Flow (gpm)	JUNE 1991 Temp (c)	OCT/NOV 1991 Flow (gpm)	OCT/NOV 1991 Temp (c)
SP2-7	DRY	a	DRY	a
SP2-8	3	11	SEEP	7
SP2-9	3	4	b	b
SP2-9a	0.5	5	DRY	a
SP2-10	c	c	DRY	a
SP2-11	10	4	DRY	a
SP2-12	SEEP	a	SEEP	a
SP2-13	3	4	SEEP	a
SP2-14	1	5	1	1
SP2-15	1	5	0.5	4
SP2-15a	SEEP	4	DRY	a
SP2-15b	SEEP	5	DRY	a
SP2-16	0.5	5	SEEP	b
SP2-17	2	6	<0.25	4
SP2-18	2.5	3	SEEP	a
SP2-19	SEEP	3	SEEP	a
SP2-20	SEEP	15	DRY	a
SP2-21	DRY	a	DRY	a
SP2-21a	–	–	5	4
SP2-21b	–	–	0.25	3
SP2-22	30	3	DRY	a
SP2-22a	SEEP	5	DRY	a
SP2-23	DRY	a	0.5	2

Field Number	JUNE 1991 Flow (gpm)	JUNE 1991 Temp (c)	OCT/NOV 1991 Flow (gpm)	OCT/NOV 1991 Temp (c)
SP2-24	<1	4	0.25	3
SP2-24a	SEEP	a	DRY	a
SP2-24b	SEEP	a	DRY	a
SP2-25	DRY	a	2	4
SP2-26	0.25	4	0.05	11
SP2-27	5	3	3	3
SP2-28	1	4	<1	4
SP2-29	1	2	1	4
SP2-30	2	3	<1	4
SP2-30a	5	3	<1	5
SP2-31	1	3	DRY	a
SP2-32	7	4	2	5
SP2-32a	1.5	3	DRY	a
SP2-32b	DRY	a	DRY	a
SP2-33	5	3	<1	4
SP2-33a	15	4	c	c
SP2-34	5	4	0.5	7
SP2-34a	0.5	4	DRY	a
SP2-35	4	3	0.5	5
SP2-36	5	3	DRY	a
SP2-36a	1.5	3	0.5	4
SP2-36bw	2	2	0.25	8
SP2-36bm	–	–	0.5	5

Field Number	JUNE 1991 Flow (gpm)	JUNE 1991 Temp (c)	OCT/NOV 1991 Flow (gpm)	OCT/NOV 1991 Temp (c)
SP2-36be	–	–	1	5
SP2-37	7	2	1	5
SP2-37a	–	–	0.25	5
SP2-38	3	5	c	c
SP2-38a	<1	4	DRY	a
SP2-38b	1	4	<1	5
SP2-38c	SEEP	a	DRY	a
SP2-39	c	c	c	c
SP2-40	c	c	c	c
SP2-40a	c	c	c	c
SP2-40b	c	c	DRY	a
SP2-40c	0.5	3	c	c
SP2-40d	15	3	c	c
SP2-40e	1	4	c	c
SP2-41	c	c	c	c
SP2-42	15	2	<1	4
SP2-43	5	3	DRY	a
SP2-43a	0.75	3	0.5	6
SP2-44	2	3	1	5
SP2-44a	10	4	DRY	a
SP2-44a2	SEEP	a	DRY	a
SP2-44a3	0.5	4	DRY	a
SP2-44a4	1	4	DRY	a

Field Number	JUNE 1991 Flow (gpm)	JUNE 1991 Temp (c)	OCT/NOV 1991 Flow (gpm)	OCT/NOV 1991 Temp (c)
SP2-44b	0.5	4	c	c
SP3-2	–	–	SEEP	a
SP3-3	–	–	0.5	7
SP3-4	–	–	SEEP	6
SP3-5	–	–	SEEP	a
SP3-6	–	–	SEEP	2
SP3-7	–	–	1	6
SP3-8	–	–	0.5	6
SP3-9	–	–	0.25	5
SP3-10	–	–	2	2
SP3-11	–	–	0.5	c
SP3-12	–	–	0.25	5
SP3-13	–	–	5	5
SP3-14	–	–	3	6
SP3-15	–	–	SEEP	3
SP3-16	–	–	SEEP	6
SP3-17	–	–	SEEP	a
SP5-1	–	–	SEEP	a
SP5-2	–	–	6	5
SP5-3	–	–	5	4
SP5-4	–	–	4	3
SP5-5	–	–	0.5	5
SP6-1	–	–	3	5

Field Number	JUNE 1991 Flow (gpm)	JUNE 1991 Temp (c)	OCT/NOV 1991 Flow (gpm)	OCT/NOV 1991 Temp (c)
SP6-2	–	–	1	5
SP6-3	–	–	5	2
SP6-4	–	–	1	6
SP6-5	–	–	0.1	1
SP6-6	–	–	SEEP	5
SP6-7	–	–	SEEP	4
SP6-8	–	–	0.1	0
SP6-9	–	–	0.1	2
SP6-10	–	–	0.1	3
SP6-11	–	–	SEEP	3
SP6-12	–	–	1	1
SP6-13	–	–	2	2
SP6-14	–	–	SEEP	7
SP6-15	–	–	SEEP	7
SP6-16	–	–	SEEP	7

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

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

Spring/Seep Number	JUNE 1992 Flow (gpm)	Temp (c)
SP1-1	SEEP	a
SP1-2	SEEP	a
SP1-4a	SEEP	8
SP1-4a(1)	SEEP	a
SP1-4b(1)	SEEP	a
SP1-4c	SEEP	a
SP1-13c	<1/8	10
SP1-33	DRY	a
SP1-34	DRY	a
SP1-35	SEEP	a
SP1-36	SEEP	a
SP1-37	DRY	a
SP1-37a	SEEP	a
SP1-37b	SEEP	a
SP1-38	SEEP	a
SP1-38a	SEEP	a
SP1-39	SEEP	a
SP1-40	1 1/2	16
SP1-40a	1/2	13
SP1-41	SEEP	a
SP1-41a	SEEP	a

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

Spring/Seep Number	JUNE 1992 Flow (gpm)	Temp (c)
SP1-42	1/4	8
SP1-42a	SEEP	a
SP1-43	SEEP	a
SP1-43a	DRY	a
SP1-44	SEEP	a
SP1-45	SEEP	a
SP1-45a	SEEP	a
SP1-46	SEEP	a
SP1-47	SEEP	a
SP2-1	3	15
SP2-2	5	11
SP2-2a	DRY	a
SP2-3	2	7
SP2-3a	DRY	a
SP2-3b	2	8
SP2-4	DRY	a
SP2-5	SEEP	a
SP2-6	SEEP	a
SP2-7	SEEP	a
SP2-8	DRY	a
SP2-18	DRY	a
SP2-19	1/2	6

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

Spring/Seep Number	JUNE 1992 Flow (gpm)	Temp (c)
SP2-20	1	6
SP2-21	2	7
SP2-21a	DRY	a
SP2-21b	DRY	a
SP2-22	1	4
SP2-22a	1/2	5
SP2-23	1	5
SP3-2	DRY	a
SP3-3	DRY	a
SP3-4	SEEP	8
SP3-5	SEEP	a
SP3-6	SEEP	a
SP3-7	1/2	6
SP3-8	<1/8	15
SP3-9	DRY	a
SP3-10	1/8	8
SP3-10a	SEEP	a
SP3-10b	DRY	a
SP3-11	1/8	13
SP3-12	SEEP	a
SP3-13	<1/8	4
SP3-13a	3	2

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

Spring/Seep Number	JUNE 1992 Flow (gpm)	Temp (c)
SP3-13b	SEEP	a
SP3-16	SEEP	a
SP3-16a	SEEP	a
SP3-16b	1/4	10
SP5-1	SEEP	2
SP5-1a	SEEP	a
SP6-1	<1/8	5
SP6-2	1	3
SP6-3	SEEP	6
SP6-3a	7	6
SP6-4	DRY	a
SP6-5	SEEP	a
SP6-9	DRY	a
SP6-10	DRY	a
SP6-11	1/2	13
SP6-11a	SEEP	a

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

Spring/Seep Number	JUNE 1992 Flow (gpm)	Temp (c)
SP6-11b	SEEP	a
SP6-12	4	6
SP6-13	SEEP	a
SP6-13a	DRY	a
SP6-13b	1	7
SP6-13c	SEEP	a
SP6-13d	SEEP	a
SP6-14	DRY	a
SP6-15	SEEP	a
SP6-15a	<1/8	7
SP6-15b	4	6
SP6-16	DRY	a
SP7-1	SEEP	a
SP7-2	SEEP	a
SP7-3	<1/8	8

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

Genwal Coal Company
Stream Flow Data
1988

ACT/015/032

Date	U Crandall	Flow CFS	L Crandall	Flow CFS
06/24/1988	0.83	8.97	0.54	4.58
06/25/1988	0.83	8.97	0.52	4.31
06/26/1988	0.81	8.63	0.51	4.18
06/27/1988	0.8	8.46	0.5	4.06
06/28/1988	0.79	8.30	0.49	3.93
06/29/1988	0.79	8.30	0.47	3.68
06/30/1988	0.79	8.30	0.49	3.93
07/01/1988	0.73	7.33	0.48	3.81
07/02/1988	0.73	7.33	0.46	3.56
07/03/1988	0.72	7.18	0.45	3.44
07/04/1988	0.71	7.02	0.42	3.09
07/05/1988	0.7	6.87	0.46	3.56
07/06/1988	0.66	6.26	0.42	3.09
07/07/1988	0.65	6.12	0.4	2.86
07/08/1988	0.62	5.68	0.4	2.86
07/09/1988	0.63	5.82	0.4	2.86
07/10/1988	0.56	4.84	0.39	2.75
07/11/1988	0.56	4.84	0.37	2.53
07/12/1988	0.52	4.31	0.36	2.43
07/13/1988	0.53	4.44	0.35	2.32
07/14/1988	0.47	3.68	0.32	2.02
07/15/1988	0.64	5.97	0.32	2.02
07/16/1988	0.55	4.71	0.34	2.22
07/17/1988	0.53	4.44	0.34	2.22
07/18/1988	0.5	4.06	0.35	2.32
07/19/1988	0.45	3.44	0.32	2.02
07/20/1988	0.44	3.32	0.32	2.02
07/21/1988	0.42	3.09	0.35	2.32
07/22/1988	0.37	2.53	0.32	2.02
07/23/1988	0.35	2.32	0.28	1.64
07/24/1988	0.31	1.92	0.3	1.82
07/25/1988	0.34	2.22	0.28	1.64
07/26/1988	0.31	1.92	0.27	1.55
07/27/1988	0.3	1.82	0.26	1.46
07/28/1988	0.21	1.04	0.15	0.62
07/29/1988	0.21	1.04	0.15	0.62
07/30/1988	0.21	1.04	0.15	0.62
07/31/1988	0.21	1.04	0.15	0.62
08/01/1988	0.21	1.04	0.16	0.68
08/02/1988	0.21	1.04	0.15	0.62
08/03/1988	0.25	1.37	0.2	0.97
08/04/1988	0.21	1.04	0.15	0.62
08/05/1988	0.21	1.04	0.15	0.62
08/06/1988	0.21	1.04	0.17	0.75
08/07/1988	0.21	1.04	0.15	0.62
08/08/1988	0.21	1.04	0.15	0.62
08/09/1988	0.21	1.04	0.15	0.62
08/10/1988	0.21	1.04	0.15	0.62
08/11/1988	0.21	1.04	0.15	0.62
08/12/1988	0.22	1.12	0.16	0.68
08/13/1988	0.22	1.12	0.15	0.62
08/14/1988	0.22	1.12	0.15	0.62

Genwal Coal Company
Stream Flow Data
1988

Date	U Crandall	Flow CFS	L Crandall	Flow CFS
08/15/1988	0.22	1.12	0.15	0.62
08/16/1988	0.22	1.12	0.15	0.62
08/17/1988	0.22	1.12	0.15	0.62
08/18/1988	0.22	1.12	0.15	0.62
08/19/1988	0.22	1.12	0.15	0.62
08/20/1988	0.22	1.12	0.15	0.62
08/21/1988	0.22	1.12	0.15	0.62
08/22/1988	0.22	1.12	0.15	0.62
08/23/1988	0.22	1.12	0.15	0.62
08/24/1988	0.22	1.12	0.15	0.62
08/25/1988	0.22	1.12	0.15	0.62
08/26/1988	0.22	1.12	0.15	0.62
08/27/1988	0.22	1.12	0.15	0.62
08/28/1988	0.22	1.12	0.15	0.62
08/29/1988	0.31	1.92	0.24	1.29
08/30/1988	0.22	1.12	0.15	0.62
09/01/1988	0.22	1.12	0.15	0.62
09/02/1988	0.22	1.12	0.15	0.62
09/03/1988	0.22	1.12		
09/04/1988	0.22	1.12		
09/05/1988	0.21	1.04		
09/06/1988	0.21	1.04		
09/07/1988	0.21	1.04		
09/08/1988	0.21	1.04		
09/09/1988	0.2	0.97		
09/10/1988	0.2	0.97		
09/11/1988	0.2	0.97		
09/12/1988	0.19	0.89		
09/13/1988	0.19	0.89		
09/14/1988	0.18	0.82		
09/15/1988	0.18	0.82		
09/16/1988	0.17	0.75		
09/17/1988	0.17	0.75		
09/18/1988	0.17	0.75		
09/19/1988	0.16	0.68		
09/20/1988	0.16	0.68		
09/21/1988	0.16	0.68		
09/22/1988	0.16	0.68		
09/23/1988	0.15	0.62		
09/24/1988	0.15	0.62		
09/25/1988	0.15	0.62		
09/26/1988	0.15	0.62		
09/27/1988	0.15	0.62		
09/28/1988	0.15	0.62		
09/29/1988	0.15	0.62		
09/30/1988	0.15	0.62		
10/01/1988	0.15	0.62		
10/02/1988	0.15	0.62		
10/03/1988	0.15	0.62		
10/04/1988	0.15	0.62	0.15	0.62
10/05/1988	0.15	0.62	0.15	0.62
10/06/1988	0.19	0.89	0.19	0.89

Genwal Coal Company
Stream Flow Data
1988

Date	U Crandall	Flow CFS	L Crandall	Flow CFS
10/07/1988	0.15	0.62	0.17	0.75
10/08/1988	0.15	0.62	0.16	0.68
10/09/1988	0.15	0.62	0.16	0.68
10/10/1988	0.15	0.62	0.16	0.68
10/11/1988	0.15	0.62	0.16	0.68
10/12/1988	0.17	0.75	0.17	0.75
10/13/1988	0.16	0.68	0.16	0.68
10/14/1988	0.15	0.62	0.16	0.68
10/15/1988	0.15	0.62	0.16	0.68
10/16/1988	0.15	0.62	0.16	0.68
10/17/1988	0.15	0.62	0.16	0.68
10/18/1988	0.15	0.62	0.16	0.68
10/19/1988	0.15	0.62	0.16	0.68
10/20/1988	0.15	0.62	0.16	0.68
10/21/1988	0.15	0.62	0.16	0.68
10/22/1988	0.15	0.62	0.15	0.62
10/23/1988	0.15	0.62	0.15	0.62
10/24/1988	0.15	0.62	0.15	0.62
10/25/1988	0.15	0.62	0.15	0.62
10/26/1988	0.15	0.62	0.15	0.62
10/27/1988	0.15	0.62	0.15	0.62
10/28/1988	0.15	0.62	0.15	0.62
10/29/1988	0.15	0.62	0.15	0.62
10/30/1988	0.15	0.62	0.15	0.62
10/31/1988	0.15	0.62	0.15	0.62
11/01/1988	0.15	0.62	0.15	0.62
11/02/1988	0.15	0.62	0.14	0.55
11/03/1988	0.15	0.62	0.14	0.55
11/04/1988	0.15	0.62	0.14	0.55
11/05/1988	0.15	0.62	0.14	0.55
11/06/1988	0.15	0.62	0.14	0.55
11/07/1988	0.15	0.62	0.14	0.55
11/08/1988	0.15	0.62	0.14	0.55
11/09/1988	0.28	1.64	0.13	0.49
11/10/1988	0.55	4.71	0.13	0.49
11/11/1988	0.15	0.62	0.13	0.49
11/12/1988	0.47	3.68	0.14	0.55
11/13/1988	0.53	4.44	0.14	0.55
11/14/1988	0.31	1.92	0.13	0.49
11/15/1988	0.21	1.04	0.14	0.55
11/16/1988	0.16	0.68	0.16	0.68
11/17/1988	0.15	0.62	0.16	0.68
11/18/1988	0.15	0.62	0.17	0.75
11/19/1988	0.15	0.62	0.16	0.68
11/20/1988	0.15	0.62	0.17	0.75
11/21/1988	0.15	0.62	0.17	0.75
11/22/1988	0.15	0.62	0.17	0.75
11/23/1988	0.15	0.62	0.17	0.75
11/24/1988	0.15	0.62	0.17	0.75
11/25/1988	0.15	0.62	0.17	0.75
11/26/1988	0.15	0.62	0.18	0.82
11/27/1988	0.15	0.62	0.18	0.82

Genwal Coal Company
Stream Flow Data
1988

Date	U Crandall	Flow CFS	L Crandall	Flow CFS
11/28/1988	0.15	0.62	0.18	0.82
11/29/1988	0.15	0.62	0.17	0.75
11/30/1988	0.15	0.62	0.17	0.75

ATTACHMENT B

Genwal Coal Company
Stream Flow Data
1989

Date	U Crandall	Flow CFS	L Crandall	Flow CFS
04/01/1989	0.2	0.97	0.18	0.82
04/02/1989	0.2	0.97	0.18	0.82
04/03/1989	0.21	1.04	0.18	0.82
04/04/1989	0.21	1.04	0.18	0.82
04/05/1989	0.2	0.97	0.18	0.82
04/06/1989	0.19	0.89	0.18	0.82
04/07/1989	0.21	1.04	0.18	0.82
04/08/1989	0.25	1.37	0.18	0.82
04/09/1989	0.31	1.92	0.19	0.89
04/10/1989	0.33	2.12	0.2	0.97
04/11/1989	0.34	2.22	0.2	0.97
04/12/1989	0.31	1.92	0.18	0.82
04/13/1989	0.31	1.92	0.18	0.82
04/14/1989	0.32	2.02	0.19	0.89
04/15/1989	0.32	2.02	0.18	0.82
04/16/1989	0.33	2.12	0.19	0.89
04/17/1989	0.35	2.32	0.21	1.04
04/18/1989	0.36	2.43	0.23	1.20
04/19/1989	0.38	2.64	0.22	1.12
04/20/1989	0.44	3.32	0.3	1.82
04/21/1989	0.52	4.31	0.42	3.09
04/22/1989	0.53	4.44	0.44	3.32
04/23/1989	0.52	4.31	0.44	3.32
04/24/1989	0.57	4.98	0.45	3.44
04/25/1989	0.56	4.84	0.42	3.09
04/26/1989	0.56	4.84	0.41	2.97
04/27/1989	0.56	4.84	0.39	2.75
04/28/1989	0.54	4.58	0.38	2.64
04/29/1989	0.49	3.93	0.39	2.75
04/30/1989	0.48	3.81	0.38	2.64
05/01/1989	0.48	3.81	0.38	2.64
05/02/1989	0.49	3.93	0.39	2.75
05/03/1989	0.49	3.93	0.39	2.75
05/04/1989	0.5	4.06	0.39	2.75
05/05/1989	0.5	4.06	0.39	2.75
05/06/1989	0.51	4.18	0.41	2.97
05/07/1989	0.51	4.18	0.42	3.09
05/08/1989	0.5	4.06	0.44	3.32
05/09/1989	0.51	4.18	0.45	3.44
05/10/1989	0.53	4.44	0.45	3.44
05/11/1989	0.56	4.84	0.45	3.44
05/12/1989	0.57	4.98	0.46	3.56
05/13/1989	0.57	4.98	0.45	3.44
05/14/1989	0.57	4.98	0.44	3.32
05/15/1989	0.57	4.98	0.43	3.20
05/16/1989	0.56	4.84	0.43	3.20
05/17/1989	0.55	4.71	0.4	2.86
05/18/1989	0.55	4.71	0.38	2.64
05/19/1989	0.53	4.44	0.37	2.53
05/20/1989	0.53	4.44	0.38	2.64
05/21/1989	0.52	4.31	0.37	2.53
05/22/1989	0.52	4.31	0.38	2.64

Genwal Coal Company
Stream Flow Data
1989

Date	U Crandall	Flow CFS	L Crandall	Flow CFS
05/23/1989	0.51	4.18	0.4	2.86
05/24/1989	0.5	4.06	0.39	2.75
05/25/1989	0.49	3.93	0.36	2.43
05/26/1989	0.48	3.81	0.36	2.43
05/27/1989	0.47	3.68	0.35	2.32
05/28/1989	0.46	3.56	0.35	2.32
05/29/1989	0.43	3.20	0.35	2.32
05/30/1989	0.42	3.09	0.34	2.22
05/31/1989	0.4	2.86	0.34	2.22
06/01/1989	0.4	2.86	0.34	2.22
06/02/1989	0.39	2.75	0.34	2.22
06/03/1989	0.39	2.75	0.33	2.12
06/04/1989	0.38	2.64	0.33	2.12
06/05/1989	0.38	2.64	0.32	2.02
06/06/1989	0.38	2.64	0.32	2.02
06/07/1989	0.37	2.53	0.34	2.22
06/08/1989	0.39	2.75	0.33	2.12
06/09/1989	0.4	2.86	0.32	2.02
06/10/1989	0.39	2.75	0.31	1.92
06/11/1989	0.37	2.53	0.3	1.82
06/12/1989	0.37	2.53	0.3	1.82
06/13/1989	0.37	2.53	0.29	1.73
06/14/1989	0.37	2.53	0.29	1.73
06/15/1989	0.36	2.43	0.28	1.64
06/16/1989	0.36	2.43	0.28	1.64
06/17/1989	0.35	2.32	0.27	1.55
06/18/1989	0.34	2.22	0.27	1.55
06/19/1989	0.34	2.22	0.27	1.55
06/20/1989	0.34	2.22	0.26	1.46
06/21/1989	0.34	2.22	0.26	1.46
06/22/1989	0.33	2.12	0.26	1.46
06/23/1989	0.35	2.32	0.25	1.37
06/24/1989	0.33	2.12	0.27	1.55
06/25/1989	0.33	2.12	0.27	1.55
06/26/1989	0.32	2.02	0.25	1.37
06/27/1989	0.32	2.02	0.24	1.29
06/28/1989	0.31	1.92	0.24	1.29
06/29/1989	0.31	1.92	0.23	1.20
06/30/1989	0.3	1.82	0.22	1.12
07/01/1989	0.33	2.12	0.21	1.04
07/02/1989	0.3	1.82	0.21	1.04
07/03/1989	0.29	1.73	0.2	0.97
07/04/1989	0.28	1.64	0.2	0.97
07/05/1989	0.27	1.55	0.19	0.89
07/06/1989	0.27	1.55	0.19	0.89
07/07/1989	0.26	1.46	0.19	0.89
07/08/1989	0.24	1.29	0.2	0.97
07/09/1989	0.24	1.29	0.18	0.82
07/10/1989	0.24	1.29	0.18	0.82
07/11/1989	0.24	1.29	0.17	0.75
07/12/1989	0.23	1.20	0.17	0.75
07/13/1989	0.23	1.20	0.16	0.68

Genwal Coal Company
Stream Flow Data
1989

Date	U Crandall	Flow CFS	L Crandall	Flow CFS
07/14/1989	0.23	1.20	0.16	0.68
07/15/1989	0.22	1.12	0.16	0.68
07/16/1989	0.22	1.12	0.15	0.62
07/17/1989	0.21	1.04	0.15	0.62
07/18/1989	0.21	1.04	0.15	0.62
07/19/1989	0.21	1.04	0.14	0.55
07/20/1989	0.21	1.04	0.14	0.55
07/21/1989	0.2	0.97	0.14	0.55
07/22/1989	0.2	0.97	0.14	0.55
07/23/1989	0.26	1.46	0.13	0.49
07/24/1989	0.64	5.97	0.61	5.54
07/25/1989	0.23	1.20	0.13	0.49
07/26/1989	0.2	0.97	0.12	0.43
07/27/1989	0.22	1.12	0.11	0.38
07/28/1989	0.2	0.97	0.11	0.38
07/29/1989	0.21	1.04	0.1	0.33
07/30/1989	0.2	0.97	0.1	0.33
07/31/1989	0.2	0.97	0.1	0.33
08/01/1989	0.2	0.97	0.1	0.33
08/02/1989	0.2	0.97	0.1	0.33
08/03/1989	0.2	0.97	0.1	0.33
08/04/1989	0.2	0.97	0.1	0.33
08/05/1989	0.2	0.97	0.1	0.33
08/06/1989	0.19	0.89	0.1	0.33
08/07/1989	0.19	0.89	0.1	0.33
08/08/1989	0.19	0.89	0.1	0.33
08/09/1989	0.19	0.89	0.1	0.33
08/10/1989	0.19	0.89	0.1	0.33
08/11/1989	0.18	0.82	0.1	0.33
08/12/1989	0.18	0.82	0.1	0.33
08/13/1989	0.18	0.82	0.09	0.28
08/14/1989	0.22	1.12	0.09	0.28
08/15/1989	0.18	0.82	0.09	0.28
08/16/1989	0.18	0.82	0.09	0.28
08/17/1989	0.17	0.75	0.09	0.28
08/18/1989	0.17	0.75	0.09	0.28
08/19/1989	0.2	0.97	0.09	0.28
08/20/1989	0.17	0.75	0.09	0.28
08/21/1989	0.17	0.75	0.09	0.28
08/22/1989	0.17	0.75	0.09	0.28
08/23/1989	0.17	0.75	0.09	0.28
08/24/1989	0.16	0.68	0.09	0.28
08/25/1989	0.16	0.68	0.09	0.28
08/26/1989	0.16	0.68	0.09	0.28
08/27/1989	0.16	0.68	0.09	0.28
08/28/1989	0.16	0.68	0.09	0.28
08/29/1989	0.16	0.68	0.09	0.28
08/30/1989	0.16	0.68	0.09	0.28
08/31/1989	0.16	0.68	0.09	0.28
09/01/1989	0.16	0.68	0.09	0.28
09/02/1989	0.16	0.68	0.09	0.28
09/03/1989	0.16	0.68	0.09	0.28

Genwal Coal Company
Stream Flow Data
1989

Date	U Crandall	Flow CFS	L Crandall	Flow CFS
09/04/1989	0.16	0.68	0.09	0.28
09/05/1989	0.16	0.68	0.09	0.28
09/06/1989	0.16	0.68	0.09	0.28
09/07/1989	0.16	0.68	0.09	0.28
09/08/1989	0.16	0.68	0.09	0.28
09/09/1989	0.16	0.68	0.09	0.28
09/10/1989	0.16	0.68	0.09	0.28
09/11/1989	0.16	0.68	0.09	0.28
09/12/1989	0.16	0.68	0.09	0.28
09/13/1989	0.16	0.68	0.09	0.28
09/14/1989	0.17	0.75	0.09	0.28
09/15/1989	0.17	0.75	0.09	0.28
09/16/1989	0.17	0.75	0.09	0.28
09/17/1989	0.17	0.75	0.09	0.28
09/18/1989	0.5	4.06	0.09	0.28
09/19/1989	0.17	0.75	0.09	0.28
09/20/1989	0.17	0.75	0.08	0.23
09/21/1989	0.17	0.75	0.08	0.23
09/22/1989	0.18	0.82	0.08	0.23
09/23/1989	0.18	0.82	0.08	0.23
09/24/1989	0.18	0.82	0.08	0.23
09/25/1989	0.18	0.82	0.08	0.23
09/26/1989	0.18	0.82	0.08	0.23
09/27/1989	0.18	0.82	0.08	0.23
09/28/1989	0.18	0.82	0.08	0.23
09/29/1989	0.18	0.82	0.08	0.23
09/30/1989	0.18	0.82	0.08	0.23
10/01/1989	0.18	0.82	0.08	0.23
10/02/1989	0.18	0.82	0.08	0.23
10/03/1989	0.18	0.82	0.08	0.23
10/04/1989	0.18	0.82	0.08	0.23
10/05/1989	0.18	0.82	0.08	0.23
10/06/1989	0.18	0.82	0.08	0.23
10/07/1989	0.18	0.82	0.08	0.23
10/08/1989	0.18	0.82	0.08	0.23
10/09/1989	0.18	0.82	0.08	0.23
10/10/1989	0.18	0.82	0.08	0.23
10/11/1989	0.18	0.82	0.08	0.23
10/12/1989	0.18	0.82	0.08	0.23
10/13/1989	0.18	0.82	0.08	0.23
10/14/1989	0.18	0.82	0.08	0.23
10/15/1989	0.24	1.29	0.08	0.23
10/16/1989	0.26	1.46	0.07	0.19
10/17/1989	0.24	1.29	0.07	0.19
10/18/1989	0.23	1.20	0.07	0.19
10/19/1989	0.18	0.82	0.07	0.19
10/20/1989	0.18	0.82	0.07	0.19
10/21/1989	0.18	0.82	0.07	0.19
10/22/1989	0.18	0.82	0.07	0.19
10/23/1989	0.18	0.82	0.07	0.19
10/24/1989	0.18	0.82	0.07	0.19
10/25/1989	0.24	1.29	0.07	0.19

Genwal Coal Company
Stream Flow Data
1989

Date	U Crandall	Flow CFS	L Crandall	Flow CFS
10/26/1989	0.2	0.97	0.07	0.19
10/27/1989	0.23	1.20	0.07	0.19
10/28/1989	0.29	1.73	0.07	0.19
10/29/1989	0.31	1.92	0.07	0.19
10/30/1989	0.45	3.44	0.07	0.19
10/31/1989	0.18	0.82	0.07	0.19

ATTACHMENT C

Genwal Coal Company
Stream Flow Data
1990

Date	U Crandall	Flow CFS	L Crandall	Flow CFS
04/02/1990	0.19	0.89	0.15	0.62
04/03/1990			0.15	0.62
04/04/1990			0.15	0.62
04/05/1990			0.15	0.62
04/06/1990			0.15	0.62
04/07/1990			0.15	0.62
04/08/1990			0.15	0.62
04/09/1990			0.15	0.62
04/10/1990			0.15	0.62
04/11/1990			0.15	0.62
04/12/1990			0.18	0.82
04/13/1990			0.17	0.75
04/14/1990			0.18	0.82
04/15/1990			0.2	0.97
04/16/1990			0.19	0.89
04/17/1990			0.2	0.97
04/18/1990			0.2	0.97
04/19/1990			0.19	0.89
04/20/1990			0.2	0.97
04/21/1990			0.21	1.04
04/22/1990			0.21	1.04
04/23/1990			0.21	1.04
04/24/1990			0.24	1.29
04/25/1990			0.22	1.12
04/26/1990			0.21	1.04
04/27/1990			0.22	1.12
04/28/1990			0.23	1.20
04/29/1990			0.21	1.04
04/30/1990			0.22	1.12
05/01/1990			0.19	0.89
05/02/1990	0.22	1.12	0.2	0.97
05/03/1990	0.24	1.29	0.22	1.12
05/04/1990	0.27	1.55	0.22	1.12
05/05/1990	0.29	1.73	0.22	1.12
05/06/1990	0.33	2.12	0.23	1.20
05/07/1990	0.34	2.22	0.25	1.37
05/08/1990	0.34	2.22	0.26	1.46
05/09/1990	0.34	2.22	0.28	1.64
05/10/1990	0.34	2.22	0.26	1.46
05/11/1990	0.34	2.22	0.26	1.46
05/12/1990	0.34	2.22	0.27	1.55
05/13/1990	0.34	2.22	0.27	1.55
05/14/1990	0.35	2.32	0.26	1.46
05/15/1990	0.35	2.32	0.25	1.37
05/16/1990	0.34	2.22	0.27	1.55
05/17/1990	0.34	2.22	0.26	1.46
05/18/1990	0.33	2.12	0.25	1.37
05/19/1990	0.33	2.12	0.24	1.29
05/20/1990	0.33	2.12	0.25	1.37
05/21/1990	0.34	2.22	0.26	1.46
05/22/1990	0.33	2.12	0.28	1.64
05/23/1990	0.32	2.02	0.29	1.73

Genwal Coal Company
Stream Flow Data
1990

Date	U Crandall	Flow CFS	L Crandall	Flow CFS
05/24/1990	0.33	2.12	0.3	1.82
05/25/1990	0.33	2.12	0.31	1.92
05/26/1990	0.34	2.22	0.32	2.02
05/27/1990	0.35	2.32	0.34	2.22
05/28/1990	0.36	2.43	0.36	2.43
05/29/1990	0.36	2.43	0.38	2.64
05/30/1990	0.37	2.53	0.38	2.64
05/31/1990	0.37	2.53	0.38	2.64
06/01/1990	0.38	2.64	0.39	2.75
06/02/1990	0.39	2.75	0.42	3.09
06/03/1990	0.4	2.86	0.4	2.86
06/04/1990	0.41	2.97	0.38	2.64
06/05/1990	0.47	3.68	0.35	2.32
06/06/1990	0.41	2.97	0.35	2.32
06/07/1990	0.4	2.86	0.32	2.02
06/08/1990			0.32	2.02
06/09/1990			0.34	2.22
06/10/1990			0.34	2.22
06/11/1990			0.39	2.75
06/12/1990			0.41	2.97
06/13/1990			0.38	2.64
06/14/1990			0.36	2.43
06/15/1990			0.35	2.32
06/16/1990			0.35	2.32
06/17/1990			0.33	2.12
06/18/1990			0.33	2.12
06/19/1990			0.32	2.02
06/20/1990			0.32	2.02
06/21/1990			0.32	2.02
06/22/1990			0.3	1.82
06/23/1990			0.31	1.92
06/24/1990			0.31	1.92
06/25/1990			0.31	1.92
06/26/1990			0.3	1.82
06/27/1990			0.29	1.73
06/28/1990			0.27	1.55
06/29/1990			0.27	1.55
06/30/1990			0.26	1.46
07/01/1990			0.26	1.46
07/02/1990			0.25	1.37
07/03/1990	0.1	0.33	0.24	1.29
07/04/1990			0.22	1.12
07/05/1990			0.2	0.97
07/06/1990			0.2	0.97
07/07/1990			0.21	1.04
07/08/1990			0.21	1.04
07/09/1990			0.19	0.89
07/10/1990			0.44	3.32
07/11/1990			0.26	1.46
07/12/1990			0.2	0.97
07/13/1990			0.18	0.82
07/14/1990			0.16	0.68

Genwal Coal Company
Stream Flow Data
1990

Date	U Crandall	Flow CFS	L Crandall	Flow CFS
07/15/1990			0.15	0.62
07/16/1990			0.14	0.55
07/17/1990			0.13	0.49
07/18/1990			0.13	0.49
07/19/1990			0.13	0.49
07/20/1990			0.16	0.68
07/21/1990			0.15	0.62
07/22/1990			0.14	0.55
07/23/1990			0.14	0.55
07/24/1990			0.13	0.49
07/25/1990			0.13	0.49
07/26/1990			0.13	0.49
07/27/1990			0.12	0.43
07/28/1990			0.12	0.43
07/29/1990			0.12	0.43
07/30/1990			0.12	0.43
07/31/1990			0.11	0.38
08/01/1990			0.11	0.38
08/02/1990			0.11	0.38
08/03/1990			0.11	0.38
08/04/1990			0.1	0.33
08/05/1990			0.1	0.33
08/06/1990	0.1	0.33	0.1	0.33
08/07/1990	0.1	0.33	0.1	0.33
08/08/1990			0.1	0.33
08/09/1990			0.1	0.33
08/10/1990			0.1	0.33
08/11/1990			0.1	0.33
08/12/1990			0.1	0.33
08/13/1990			0.1	0.33
08/14/1990			0.1	0.33
08/15/1990			0.1	0.33
08/16/1990			0.1	0.33
08/17/1990			0.1	0.33
08/18/1990			0.1	0.33
08/19/1990			0.1	0.33
08/20/1990			0.1	0.33
08/21/1990			0.1	0.33
08/22/1990			0.1	0.33
08/23/1990			0.1	0.33
08/24/1990			0.1	0.33
08/25/1990			0.1	0.33
08/26/1990			0.1	0.33
08/27/1990			0.09	0.28
08/28/1990			0.09	0.28
08/29/1990			0.09	0.28
08/30/1990			0.09	0.28
08/31/1990			0.09	0.28
09/01/1990			0.09	0.28
09/02/1990			0.09	0.28
09/03/1990			0.09	0.28
09/04/1990	0.1	0.33	0.09	0.28

Genwal Coal Company
Stream Flow Data
1990

Date	U Crandall	Flow CFS	L Crandall	Flow CFS
09/05/1990	0.21	1.04	0.2	0.97
09/06/1990	0.1	0.33	0.15	0.62
09/07/1990	0.1	0.33	0.09	0.28
09/08/1990	0.1	0.33	0.09	0.28
09/09/1990	0.1	0.33	0.09	0.28
09/10/1990	0.1	0.33	0.09	0.28
09/11/1990	0.1	0.33	0.09	0.28
09/12/1990	0.1	0.33	0.09	0.28
09/13/1990	0.1	0.33	0.09	0.28
09/14/1990	0.1	0.33	0.09	0.28
09/15/1990	0.1	0.33	0.09	0.28
09/16/1990	0.1	0.33	0.09	0.28
09/17/1990	0.11	0.38	0.09	0.28
09/18/1990	0.11	0.38	0.09	0.28
09/19/1990	0.11	0.38	0.08	0.23
09/20/1990	0.11	0.38	0.08	0.23
09/21/1990	0.11	0.38	0.08	0.23
09/22/1990	0.11	0.38	0.08	0.23
09/23/1990	0.11	0.38	0.08	0.23
09/24/1990	0.11	0.38	0.08	0.23
09/25/1990	0.11	0.38	0.08	0.23
09/26/1990	0.11	0.38	0.08	0.23
09/27/1990	0.11	0.38	0.08	0.23
09/28/1990	0.11	0.38	0.08	0.23
09/29/1990	0.11	0.38	0.08	0.23
09/30/1990	0.11	0.38	0.08	0.23
10/01/1990	0.11	0.38	0.08	0.23
10/02/1990	0.11	0.38	0.08	0.23
10/03/1990	0.11	0.38	0.08	0.23
10/04/1990	0.11	0.38	0.08	0.23
10/05/1990	0.11	0.38	0.08	0.23
10/06/1990	0.11	0.38	0.08	0.23
10/07/1990	0.11	0.38	0.08	0.23
10/08/1990	0.11	0.38	0.08	0.23
10/09/1990	0.11	0.38	0.08	0.23
10/10/1990	0.11	0.38	0.08	0.23
10/11/1990	0.11	0.38	0.08	0.23

Genwal Coal Company
Stream Flow Data
1991

Date	U Crandall	Flow CFS	L Crandall	Flow CFS	Blind	Flow CFS
5/[illegible]/1991	0.11	0.38	0.1	0.33		
5/02/1991	0.11	0.38	0.1	0.33		
5/03/1991	0.12	0.43	0.1	0.33		
5/04/1991	0.11	0.38	0.1	0.33		
5/05/1991	0.1	0.33	0.1	0.33		
5/06/1991	0.1	0.33	0.09	0.28		
5/07/1991	0.09	0.28	0.09	0.28		
5/08/1991	0.08	0.23	0.09	0.28		
5/09/1991	0.08	0.23	0.09	0.28		
5/10/1991	0.09	0.28	0.08	0.23		
5/11/1991	0.09	0.28	0.08	0.23		
5/12/1991	0.09	0.28	0.08	0.23		
5/13/1991	0.1	0.33	0.08	0.23		
5/14/1991	0.09	0.28	0.08	0.23		
5/15/1991	0.08	0.23	0.07	0.19		
5/16/1991	0.08	0.23	0.07	0.19		
5/17/1991	0.08	0.23	0.07	0.19		
5/18/1991	0.07	0.19	0.07	0.19		
5/19/1991	0.07	0.19	0.07	0.19		
5/20/1991	0.07	0.19	0.07	0.19		
5/21/1991	0.07	0.19	0.06	0.15		
5/22/1991	0.07	0.19	0.06	0.15		
5/23/1991	0.07	0.19	0.06	0.15		
5/24/1991	0.07	0.19	0.06	0.15		
5/25/1991	0.07	0.19	0.06	0.15		
5/26/1991	0.07	0.19	0.06	0.15		
5/27/1991	0.08	0.23	0.06	0.15		
5[illegible]/1991	0.07	0.19	0.06	0.15		
5/[illegible]/1991	0.06	0.15	0.06	0.15		
5/30/1991	0.06	0.15	0.06	0.15		
5/31/1991	0.06	0.15	0.06	0.15		
6/01/1991	0.06	0.15	0.06	0.15		
6/02/1991	0.06	0.15	0.06	0.15		
6/03/1991	0.06	0.15	0.06	0.15		
6/04/1991	0.6	5.40	0.6	5.40		
6/05/1991	0.6	5.40	0.56	4.84		
6/06/1991	0.5	4.06	0.54	4.58		
6/07/1991	0.5	4.06	0.54	4.58		
6/08/1991	0.5	4.06	0.53	4.44		
6/09/1991	0.4	2.86	0.49	3.93		
6/10/1991	0.4	2.86	0.42	3.09		
6/11/1991	0.3	1.82	0.36	2.43		
6/12/1991	0.3	1.82	0.32	2.02		
6/13/1991	0.3	1.82	0.32	2.02		
6/14/1991	0.3	1.82	0.29	1.73		
6/15/1991	0.2	0.97	0.27	1.55		
6/16/1991	0.2	0.97	0.2	0.97		
6/17/1991	0.2	0.97	0.2	0.97		
6/18/1991	0.1	0.33	0.2	0.97		
6/19/1991	0.1	0.33	0.21	1.04		
6/20/1991	0.1	0.33	0.22	1.12		
6/21/1991	0.2	0.97	0.24	1.29		
6/22/1991	0.2	0.97	0.28	1.64		
6/23/1991	0.2	0.97	0.34	2.22		

Genwal Coal Company
Stream Flow Data
1991

Date	U Crandall	Flow CFS	L Crandall	Flow CFS	Blind	Flow CFS
6/[illegible]/1991	0.3	1.82	0.39	2.75		
6/25/1991	0.3	1.82	0.4	2.86		
6/26/1991	0.3	1.82	0.43	3.20		
6/27/1991	0.3	1.82	0.46	3.56		
6/28/1991	0.5	4.06	0.48	3.81		
6/29/1991	0.49	3.93	0.46	3.56		
6/30/1991	0.47	3.68	0.45	3.44		
7/01/1991	0.46	3.56	0.44	3.32		
7/02/1991	0.44	3.32	0.42	3.09		
7/03/1991	0.43	3.20	0.4	2.86		
7/04/1991	0.42	3.09	0.39	2.75		
7/05/1991	0.41	2.97	0.34	2.22		
7/06/1991	0.41	2.97	0.36	2.43		
7/07/1991	0.4	2.86	0.36	2.43		
7/08/1991	0.45	3.44	0.4	2.86		
7/09/1991	0.49	3.93	0.44	3.32		
7/10/1991	0.37	2.53	0.37	2.53		
7/11/1991	0.86	9.48	0.68	6.56		
7/12/1991	0.36	2.43	0.32	2.02		
7/13/1991	0.36	2.43	0.31	1.92		
7/14/1991	0.35	2.32	0.3	1.82		
7/15/1991	0.34	2.22	0.29	1.73		
7/16/1991	0.34	2.22	0.28	1.64		
7/17/1991	0.33	2.12	0.28	1.64		
7/18/1991	0.33	2.12	0.28	1.64		
7/19/1991	0.32	2.02	0.27	1.55		
7/20/1991	0.31	1.92	0.26	1.46	0.18	0.82
7/[illegible]/1991	0.31	1.92	0.25	1.37	0.15	0.62
7/22/1991	0.31	1.92	0.25	1.37	0.14	0.55
7/23/1991	0.3	1.82	0.24	1.29	0.12	0.43
7/24/1991	0.3	1.82	0.24	1.29	0.48	3.81
7/25/1991	0.3	1.82	0.22	1.12	0.39	2.75
7/26/1991	0.29	1.73	0.21	1.04	0.33	2.12
7/27/1991	0.29	1.73	0.2	0.97	0.15	0.62
7/28/1991	0.28	1.64	0.22	1.12	0.11	0.38
7/29/1991	0.28	1.64	0.2	0.97	0.1	0.33
7/30/1991	0.28	1.64	0.2	0.97	0.12	0.43
7/31/1991	0.28	1.64	0.2	0.97	0.1	0.33
8/01/1991	0.28	1.64	0.2	0.97	0.11	0.38
8/02/1991	0.28	1.64	0.2	0.97	0.11	0.38
8/03/1991	0.28	1.64	0.2	0.97	0.12	0.43
8/04/1991	0.28	1.64	0.2	0.97	0.14	0.55
8/05/1991	1.2	15.96	0.65	6.12	0.15	0.62
8/06/1991	0.21	1.04	0.2	0.97	0.12	0.43
8/07/1991	0.21	1.04	0.2	0.97	0.13	0.49
8/08/1991	0.21	1.04	0.2	0.97	0.14	0.55
8/09/1991	0.21	1.04	0.19	0.89	0.12	0.43
8/10/1991	0.21	1.04	0.19	0.89	0.11	0.38
8/11/1991	0.21	1.04	0.19	0.89	0.11	0.38
8/12/1991	0.21	1.04	0.19	0.89	0.11	0.38
8/13/1991	0.21	1.04	0.19	0.89	0.1	0.33
8/14/1991	0.21	1.04	0.19	0.89	0.1	0.33
8/15/1991	0.21	1.04	0.18	0.82	0.1	0.33
8/16/1991	0.21	1.04	0.18	0.82	0.1	0.33

Genwal Coal Company
Stream Flow Data
1991

Date	U Crandall	Flow CFS	L Crandall	Flow CFS	Blind	Flow CFS
8/17/1991	0.21	1.04	0.17	0.75	0.1	0.33
8/18/1991	0.21	1.04	0.17	0.75	0.11	0.38
8/19/1991	0.21	1.04	0.17	0.75	0.11	0.38
8/20/1991	0.21	1.04	0.17	0.75	0.1	0.33
8/21/1991	0.21	1.04	0.17	0.75	0.1	0.33
8/22/1991	0.21	1.04	0.17	0.75	0.11	0.38
8/23/1991	0.21	1.04	0.16	0.68	0.11	0.38
8/24/1991	0.26	1.46	0.16	0.68	0.1	0.33
8/25/1991	0.21	1.04	0.16	0.68	0.1	0.33
8/26/1991	0.23	1.20	0.16	0.68	0.1	0.33
8/27/1991	0.54	4.58	0.33	2.12	0.1	0.33
8/28/1991	0.34	2.22	0.38	2.64	0.1	0.33
8/29/1991	0.24	1.29	0.16	0.68	0.16	0.68
8/30/1991	0.3	1.82	0.3	1.82	0.8	8.46
9/01/1991	0.21	1.04	0.17	0.75	0.13	0.49
9/02/1991	0.21	1.04	0.15	0.62	0.11	0.38
9/03/1991	0.2	0.97	0.15	0.62	0.09	0.28
9/04/1991	0.2	0.97	0.16	0.68	0.08	0.23
9/05/1991	0.2	0.97	0.16	0.68	0.08	0.23
9/06/1991	0.2	0.97	0.16	0.68	0.43	3.20
9/07/1991	0.2	0.97	0.16	0.68	0.11	0.38
9/08/1991	0.2	0.97	0.16	0.68	0.1	0.33
9/09/1991	0.2	0.97	0.16	0.68	0.11	0.38
9/10/1991	0.19	0.89	0.16	0.68	0.23	1.20
9/11/1991	0.19	0.89	0.16	0.68	0.13	0.49
9/12/1991	0.19	0.89	0.16	0.68	0.12	0.43
9/13/1991	0.19	0.89	0.16	0.68	0.33	2.12
9/14/1991	0.19	0.89	0.16	0.68	0.12	0.43
9/15/1991	0.19	0.89	0.16	0.68	0.1	0.33
9/16/1991	0.19	0.89	0.16	0.68	0.1	0.33
9/17/1991	0.19	0.89	0.16	0.68	0.1	0.33
9/18/1991	0.19	0.89	0.16	0.68	0.1	0.33
9/19/1991	0.19	0.89	0.16	0.68	0.1	0.33
9/20/1991	0.19	0.89	0.16	0.68	0.1	0.33
9/21/1991	0.19	0.89	0.16	0.68	0.1	0.33
9/22/1991	0.7	6.87	0.34	2.22	0.1	0.33
9/23/1991	0.19	0.89	0.17	0.75	0.09	0.28
9/24/1991	0.19	0.89	0.17	0.75	0.09	0.28
9/25/1991	1.2	15.96	0.5	4.06	0.09	0.28
9/26/1991	0.17	0.75	0.18	0.82	0.09	0.28
9/27/1991	0.17	0.75	0.18	0.82	0.09	0.28
9/28/1991	0.17	0.75	0.18	0.82	0.1	0.33
9/29/1991	0.52	4.31	0.39	2.75	0.1	0.33
9/30/1991	0.85	9.31	0.18	0.82	0.09	0.28
10/01/1991	0.15	0.62	0.18	0.82	0.08	0.23
10/02/1991	0.15	0.62	0.18	0.82	0.08	0.23
10/03/1991	0.15	0.62	0.18	0.82	0.08	0.23
10/04/1991	0.15	0.62	0.18	0.82	0.08	0.23
10/05/1991	0.15	0.62	0.18	0.82	0.08	0.23
10/06/1991	0.15	0.62	0.18	0.82	0.07	0.19
10/07/1991	0.15	0.62	0.18	0.82	0.07	0.19
10/08/1991	0.15	0.62	0.18	0.82	0.07	0.19
10/09/1991	0.15	0.62	0.18	0.82	0.07	0.19
10/10/1991	0.15	0.62	0.18	0.82	0.07	0.19

Genwal Coal Company
Stream Flow Data
1991

Date	U Crandall	Flow CFS	L Crandall	Flow CFS	Blind	Flow CFS
0/[illegible]/1991	0.15	0.62	0.18	0.82	0.07	0.19
0/12/1991	0.15	0.62	0.18	0.82	0.06	0.15
0/13/1991	0.15	0.62	0.18	0.82	0.06	0.15
0/14/1991	0.15	0.62	0.18	0.82	0.06	0.15
0/15/1991	0.15	0.62	0.18	0.82	0.06	0.15
0/16/1991	0.15	0.62	0.18	0.82	0.06	0.15
0/17/1991	0.15	0.62	0.18	0.82	0.06	0.15
0/18/1991	0.15	0.62	0.18	0.82	0.06	0.15
0/19/1991	0.15	0.62	0.18	0.82	0.06	0.15
0/20/1991	0.15	0.62	0.18	0.82	0.06	0.15
0/21/1991	0.15	0.62	0.18	0.82	0.06	0.15
0/22/1991	0.15	0.62	0.18	0.82	0.06	0.15
0/23/1991	0.15	0.62	0.18	0.82	0.08	0.23
0/24/1991	0.15	0.62	0.19	0.89	0.08	0.23
0/25/1991	0.15	0.62	0.19	0.89	0.08	0.23
0/26/1991	0.15	0.62	0.19	0.89	0.08	0.23
0/27/1991	0.15	0.62	0.19	0.89	0.08	0.23
0/28/1991	0.55	4.71	0.19	0.89	0.09	0.28
0/29/1991	0.2	0.97	0.19	0.89	0.1	0.33
0/30/1991	0.18	0.82	0.19	0.89	0.11	0.38
0/31/1991	0.3	1.82	0.19	0.89	0.11	0.38
1/01/1991	0.1	0.33	0.19	0.89	0.11	0.38