

Appendix 5.B

Water Monitoring Results for the Revloc Sites

Appendix 5.B
Ebensburg Power Company
Revloc Site

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Date	Flow (GPM) or Static Water Elevation (ft)	Field pH (Standard Units)	Lab pH (Standard Units)	Specific Conductivity (umhos/cm)	Alkalinity (mg/L)	Acidity (mg/L)	Iron (mg/L)	Mn (mg/L)	Al (mg/L)	SO4 (mg/L)	TDS (mg/L)	TSS (mg/L)
07/31/90	3.6	3.70	3.70	540	0.0	216.0	3.13	7.56	31.90	319	486	
08/28/90	0.9	3.60	3.60	580	0.0	270.0	7.16	10.30	32.90	389	554	
09/26/90	4.1	3.70	3.60	600	0.0	240.0	1.05	7.98	25.80	407	622	
10/25/90	7.0	3.90	3.60	500	0.0	200.0	0.53	5.33	29.40	324	450	
11/20/90	2.8	4.10	3.40	620	0.0	240.0	4.22	7.42	36.20	406	572	
12/20/90	13.9	4.00	3.90	500	4.0	148.0	0.22	3.76	17.30	286	396	
01/15/91	4.5	4.00	4.00	600	4.0	166.0	0.22	5.23	14.50	314	640	
02/22/91	5.9	4.90	4.00	260	4.0	116.0	0.16	3.59	14.40	210	262	
03/25/91	7.4	4.00	3.80	340	4.0	102.0	0.15	3.33	10.20	217	298	
04/18/91	2.5	4.00	3.80	560	2.0	158.0	0.19	4.34	19.80	253	332	
05/14/91	3.0	3.80	3.80	680	2.0	112.0	0.18	4.78	14.60	308	454	
06/17/91	0.5	3.70	3.70	600	0.0	230.0	2.20	6.81	34.20	402	798	
07/24/91	0.0											
08/23/91	1.0	3.80	3.70	660	0.0	250.0	0.97	10.20	34.60	412	556	
09/27/91	0.0											
10/29/91	0.0											
11/27/91	8.7	3.90	3.80	560	4.0	156.0	0.54	10.60	31.20	320	530	6.0
12/12/91	0.3	4.00	4.00	500	6.0	144.0	0.25	9.97	16.70	257	336	36.0
01/23/92	0.8	4.00	3.90	400	2.0	448.0	0.19	6.43	11.80	196	348	
02/11/92	0.8	4.10	4.00	560	6.0	110.0	0.15	6.34	13.50	250	620	
03/25/92	2.8	4.20	3.90	560	6.0	94.0	0.15	3.97	13.00	236	384	
04/29/92	1.9	4.10	4.00	520	4.0	78.0	0.15	3.44	10.40	182	342	4.0
05/20/92	1.3	4.10	4.10	520	4.0	14.0	0.40	3.23	9.00	157	336	
06/18/92	0.0	3.80	3.70	600	0.0	144.0	3.84	7.44	12.40	265	506	28.0
07/29/92	0.5	3.60	3.60	680	0.0	120.0	9.60	11.30	9.70	310	388	
08/24/92	0.0											
09/22/92	0.5	3.90	3.60	640	0.0	170.0	12.60	8.20	11.60	291	528	48.0
10/21/92	0.0											
11/20/92	0.1	4.80	3.30	620	0.0	280.0	23.90	9.90	20.80	465	610	
12/21/92	0.5	3.40	3.40	560	0.0	200.0	5.90	8.00	21.80	368	518	
01/18/93	4.4	3.50	3.50	620	0.0	200.0	15.70	8.80	18.40	443	554	4.0
02/25/93	0.3	3.90	3.70	780	0.0	240.0	6.10	11.40	21.20	559	840	
03/04/93	1.0	3.90	3.80	600	0.0	162.0	5.80	10.20	24.00	350	536	4.4
03/24/93	1.5	3.90	3.80	520	4.0	126.0	4.32	6.20	15.20	310	396	
04/21/93	1.3	3.70	3.50	600	0.0	180.0	7.20	6.50	17.90	205	560	
06/28/93	0.1	3.80	3.80	1200	10.0	270.0	45.70	14.70	17.80	682	986	6.0
07/29/93	0.9	3.50	3.40	380	0.0	258.0	7.90	6.60	17.00	603	698	
08/18/93	0.2	4.00	3.70	680	0.0	300.0	22.80	8.30	23.50	551	884	
09/30/93	2.0	4.30	3.50	540	0.0	180.0	4.80	5.80	18.00	365	622	
10/27/93	0.2	3.70	3.50	780	0.0	1510.0	14.00	9.40	25.30	608	966	
11/15/93	0.7	4.00	3.70	540	0.0	284.0	10.30	9.20	19.60	435	586	
12/15/93	0.4	4.80	3.40	620	0.0	242.0	10.60	8.30	23.40	495	836	
01/26/94	0.7	4.50	3.80	580	2.0	208.0	6.20	7.30	22.30	483	686	
02/28/94	0.6	4.60	3.80	620	2.0	224.0	6.50	6.30	22.50	560	852	
03/30/94	0.7	3.70	3.70	640	0.0	182.0	8.90	7.50	21.10	530	810	0.4
04/26/94	0.4	3.80	3.40	1400	0.0	280.0	14.50	9.20	23.50	949	1336	2.8
05/31/94	0.3	4.20	4.00	1200	8.0	272.0	30.40	9.10	25.50	889	1366	
06/22/94	0.2	4.60	3.90	1400	4.0	320.0	65.10	10.70	12.20	977	1532	50.0
10/31/94	0.0	4.00										
11/22/94	0.3	4.00	4.00	1400	4.0	200.0	13.60	10.30	20.00	575	844	
12/27/94	0.3	4.00	4.00	1800	10.0	110.0	6.80	8.00	27.00	668	992	4.0
01/31/95	0.4	4.00	3.60	1800	0.0	220.0	5.90	8.40	28.00	604	922	
02/27/95	0.5	4.00	3.90	1400	4.0	200.0	5.70	8.20	24.00	554	786	
03/30/95	0.4	4.00	3.80	2000	4.0	228.0	7.50	96.00	3.00	880	1258	
04/27/95	0.3	4.00	3.60	1800	0.0	220.0	7.30	9.60	31.00	793	1228	
05/31/95	0.3	3.90	3.60	1800	0.0	280.0	12.90	8.10	29.00	819	1244	
06/21/95	0.2	3.80	3.60	2000	0.0	270.0	36.50	7.70	19.00	887	1798	
07/25/95	0.1	3.40	3.70	1800	0.0	220.0	35.10	7.30	22.00	966	746	
08/28/95	0.0											
09/20/95	0.0											
10/24/95	0.3	3.90	3.70	2000	0.0	190.0	8.30	8.20	27.00	855	960	
11/22/95	0.3	4.20	3.60	1800	0.0	185.0	7.20	7.80	25.00	820	875	
12/21/95	0.4	4.50	3.60	1400	0.0	146.0	6.70	8.30	21.00	545	884	
01/29/96	0.3	4.70	3.70	1400	0.0	160.0	4.80	13.70	17.00	466	784	
02/09/96	0.0											

Bold Italic= less than detection limits

Date	Flow (GPM) or Static Water Elevation (ft)	Field pH (Standard Units)	Lab pH (Standard Units)	Specific Conductivity (umhos/cm)	Alkalinity (mg/L)	Acidity (mg/L)	Iron (mg/L)	Mn (mg/L)	Al (mg/L)	SO4 (mg/L)	TDS (mg/L)	TSS (mg/L)
03/14/96	0.6	4.20	3.60	1400	0.0	180.0	9.80	13.20	22.00	581	858	
04/22/96	0.5	4.20	3.60	1600	0.0	20.0	2.70	15.10	27.00	719	1270	
05/20/96	0.4	4.30	3.50	1094	0.0	38.0	1.70	13.70	9.00	705	1094	
06/21/96	0.2	4.20	3.60	1400	0.0	180.0	20.30	14.10	13.00	668	1106	
07/31/96	0.1	3.50	3.50	1800	0.0	160.0	38.70	13.90	18.00	827	1714	
08/26/96	0.0											
09/30/96	0.2	4.60	3.80	1400	4.0	126.0	15.00	13.40	26.00	654	1076	
10/25/96	0.2	4.00	3.90	1800	4.0	204.0	11.40	12.80	2.00	631	946	
11/22/96	0.4	4.00	3.80	1800	2.0	148.0	13.40	17.40	18.00	834	1174	
12/18/96	0.4	3.40	3.20	1600	0.0	70.0	9.90	13.90	25.00	786	842	
01/16/97	0.5	4.00	3.80	2000	4.0	496.0	10.60	22.10	41.00	995	1426	
02/24/97	0.4	3.50	3.80	1800	1.0	179.0	7.10	17.20	26.00	812	1496	
03/12/97	0.4	3.50	3.80	1800	2.0	160.0	6.40	12.50	19.00	784	1120	
04/16/97	0.0											
05/28/97	0.3	3.30	3.50	1800	0.0	190.0	9.20	14.40	23.00	792	1390	4.0
06/16/97	0.3	3.40	3.70	2000	0.0	328.0	19.10	22.80	31.00	1000	1850	
07/25/97	0.2	3.40	3.50	1800	0.0	300.0	27.70	21.30	34.00	1066	1460	
08/22/97	0.3	3.50	3.40	1800	0.0	180.0	3.80	15.60	27.00	745	1328	4.0
09/25/97	0.1	4.10	3.90	2000	8.0	252.0	22.20	15.80	16.00	959	1694	
10/29/97	0.2	4.00	3.90	2000	6.0	256.0	16.20	15.10	28.00	1013	1338	
11/21/97	0.6	3.90	3.60	1600	0.0	200.0	4.70	12.20	22.00	867	1312	
12/18/97	0.4	4.20	3.60	1800	0.0	150.0	7.30	13.80	20.00	916	1392	
01/19/98	0.5	4.40	3.80	1800	2.0	268.0	2.10	14.20	21.00	966	1048	
02/23/98	0.6	4.30	3.60	2000	0.0	200.0	6.30	11.90	19.00	835	1252	
03/26/98	0.4	4.30	3.60	2000	0.0	210.0	4.40	13.30	24.00	985	1496	
04/29/98	0.5	4.30	3.70	1800	0.0	200.0	7.90	12.10	17.00	856	1310	
05/28/98	0.3	4.80	3.60	2200	0.0	260.0	2.00	13.80	21.00	1189	1552	
06/16/98	0.5	5.10	3.40	2000	0.0	260.0	2.50	15.20	22.00	851	1746	
07/24/98	0.3	5.40	3.10	2200	0.0	400.0	5.40	17.20	24.00	997	1622	80.0
08/31/98	0.0											
09/21/98	0.2	3.50	3.50	1700	0.0	260.0	27.30	16.50	17.00	1016	1664	8.0
10/21/98	0.6	3.70	3.60	2000	0.0	700.0	24.00	18.00	15.00	1141	1460	
11/18/98	0.0											
12/16/98	0.0											
01/13/99	1.0	3.80	3.70	1400	0.0	190.0	1.00	12.80	17.00	654	918	
02/10/99	0.9	4.00										
03/17/99	1.4	3.70	4.10	1400	8.0	152.0	1.30	11.80	16.00	682	1060	16.0
04/14/99	0.5	3.70	3.50	1800	0.0	300.0	4.80	16.40	16.00	864	1296	153.0
05/26/99	0.3	3.50	3.80	1800	3.0	317.0	2.10	18.70	26.00	1175	1716	
06/22/99	0.0											
07/14/99	1.2	3.50	3.20	1400	0.0	160.0	5.20	19.10	22.00	1007	2196	
08/11/99	0.0											
09/22/99	0.0											
10/27/99	0.0											
11/17/99	0.0											
12/15/99	0.0											
01/27/00	0.0											
02/16/00	0.4	3.80	3.90	1400	4.0	196.0	4.30	18.80	20.00	1300	1256	8.0
03/15/00	0.0											
04/19/00	0.0											
05/17/00	0.0											
06/14/00	0.0											
07/31/00	0.0											
08/30/00	0.1	3.70	4.70	1600	2.0	260.0	4.40	23.70	21.00	1272	1572	16.0
09/29/00	0.8	3.60	3.60	1600	0.0	240.0	6.60	19.50	13.00	976	1270	94.0
10/25/00	0.3	3.70	3.60	1800		310.0	15.80	21.30	19.00	931	1400	
11/15/00	0.7	3.90	3.70	1810	0.0	200.0	11.50	24.00	20.00	933	1320	
12/13/00	0.4	3.90	3.70	1871	0.0	190.0	2.50	24.00	19.00	767	1298	
01/17/01	0.4	3.60	3.60	1830	0.0	160.0	3.70	20.00	19.00	909	1410	17.0
02/08/01	0.5	3.80	3.60	1709	0.0	48.0	3.70	20.50	20.00	844	736	
03/14/01	1.0	3.90	3.50	1340	0.0	200.0	1.90	15.10	17.00	639	922	
04/11/01	0.9	3.60	3.10	1576	0.0	200.0	3.90	16.40	14.00	703	1098	
05/17/01	0.3	3.50	3.60	2060	0.0	200.0	8.70	25.00	25.00	1316	1500	68.0
06/11/01	0.0											
07/11/01	0.4	3.50	3.00	2020	0.0	200.0	2.50	19.30	19.00	918	884	66.0

Date	Flow (GPM) or Static Water Elevation (ft)	Field pH (Standard Units)	Lab pH (Standard Units)	Specific Conductivity (umhos/cm)	Alkalinity (mg/L)	Acidity (mg/L)	Iron (mg/L)	Mn (mg/L)	Al (mg/L)	SO4 (mg/L)	TDS (mg/L)	TSS (mg/L)
08/08/01	0.0											
09/13/01	0.0											
10/10/01	0.0											
11/06/01	0.1	3.60	3.90	2090	6.0	231.0	6.50	26.00	24.00	1069	1772	
12/05/01	0.2	3.70	3.80	1885	4.0	31.0	4.40	25.00	25.00	920	1440	
01/10/02	1.2	3.60	3.60	1726	0.0	146.0	3.20	19.50	20.00	881	1272	18.0
02/06/02	0.4	3.70	3.80	1813	1.0	177.0	1.70	25.00	23.00	931	1370	8.0
03/08/02	0.4	3.70	3.90	1928	4.0	126.0	1.70	23.00	22.00	984	1558	
04/02/02	0.5	3.70	3.80	1772	2.0	198.0	2.00	19.90	21.00	932	1440	
05/10/02	0.5	3.50	3.80	1667	2.0	148.0	4.40	17.80	18.00	803	1180	
06/03/02	0.3	3.60	3.60	1935	0.0	190.0	2.80	20.90	22.00	1004	1474	16.0
07/03/02	0.2	3.60	3.30	2190	0.0	200.0	24.00	23.00	25.00	1073	1532	10.0
08/06/02	0.2	3.60	3.30	2120	0.0	100.0	4.40	23.00	18.00	1063	1651	14.0
09/03/02	0.0											
10/04/02	0.2	3.10	3.50	2140	0.0	160.0	36.00	23.00	22.00	1103	1614	
11/06/02	0.0											
12/10/02	0.3	3.60	3.50	1966	0.0	10.0	6.90	24.00	25.00	306	1168	8.0
01/10/03	0.7	3.70	3.60	1700	0.0	144.0	3.60	17.10	17.00	834	1156	
02/06/03	0.5	3.80	3.20	1862	0.0	200.0	1.20	18.60	22.00	1117	1364	114.0
03/07/03	0.6	3.90	3.90	1694	6.0	148.0	1.70	17.70	19.00	856	1308	
04/02/03	0.8	3.10	3.70	1758	0.0	160.0	3.60	19.00	24.00	876	1338	
05/07/03	0.6	3.60	3.40	1932	0.0	200.0	1.80	22.00	18.00	937	1444	
06/10/03	0.5	3.70	3.30	1739	0.0	200.0	7.70	19.80	18.00	902	1378	
06/10/03	0.1		3.50	1756	0.0	185.2	6.49	18.90	17.80	930	1638	6.0

Appendix 5.B
Ebensburg Power Company
Revloc Site

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Date	Flow (GPM) or Static Water Elevation (ft)	Field pH (Standard Units)	Lab pH (Standard Units)	Specific Conductivity (umhos/cm)	Alkalinity (mg/L)	Acidity (mg/L)	Iron (mg/L)	Mn (mg/L)	Al (mg/L)	SO4 (mg/L)	Chloride (mg/L)	Sodium (mg/L)	Potassium (mg/L)	TDS (mg/L)	TSS (mg/L)
07/31/90	0.5	4.50	4.50	180	0.0	38.0	3.56	1.26	1.00	23.9				117	
08/28/90	0.2	4.50	4.50	160	0.0	26.0	6.69	1.05	1.00	30.5				68	
09/26/90	5.9	4.20	4.40	140	10.0	26.0	0.72	0.80	1.00	40.3				110	6.0
10/25/90	3.2	4.50	4.30	140	10.0	26.0	0.86	1.37	1.00	34.6				112	
11/20/90	1.9	4.50	4.30	180	8.0	26.0	2.05	1.55	1.55	49.4				73	38.0
12/20/90	6.0	5.60	5.90	220	6.0	14.0	0.81	0.66	1.87	89.7				90	14.8
01/15/91	2.8	4.40	4.70	160	1.0	13.0	0.21	1.47	1.00	46.9				42	
02/22/91	8.2	5.70	4.60	86	1.0	11.0	0.58	1.18	1.00	38.7				34	12.0
03/25/91	5.2	4.50	4.50	120	0.0	8.0	0.16	1.11	1.00	37.0				120	
04/18/91	1.2	4.50	4.30	220	8.0	22.0	0.42	1.24	1.00	43.6				88	
05/14/91	0.6	4.00	4.00	260	4.0	26.0	1.64	1.38	1.00	37.8				132	
06/17/91	0.3	4.50	4.50	220	8.0	22.0	0.35	1.67	1.14	52.7				158	24.0
07/24/91	0.0														
08/23/91	0.0														
09/27/91	0.0														
10/29/91	0.0														
11/27/91	0.0														
12/12/91	0.5	4.40	4.30	260	8.0	22.0	0.15	1.12	1.41	76.5				336	20.0
01/23/92	0.6	4.50	4.50	200	0.0	14.0	0.25	1.58	1.29	51.0				146	
02/11/92	0.3	4.80	4.60	260	2.0	16.0	0.15	1.71	1.46	70.0				336	
03/25/92	2.2	4.60	4.50	240	0.0	12.0	1.75	1.75	1.00	74.0				150	
04/29/92	0.4	4.50	4.50	240	0.0	18.0	0.15	1.66	1.00	85.6				104	8.0
05/20/92	0.0														
06/18/92	0.0														
07/29/92	0.0														
08/24/92	0.0														
09/22/92	1.9	4.20	4.00	300	6.0	46.0	0.15	2.30	3.47	113				310	
10/21/92	0.0														
11/20/92	0.1	4.20	4.10	340	6.0	10.0	0.15	2.05	2.08	86				206	
12/21/92	3.9	4.00	4.00	320	4.0	26.0	0.15	2.64	2.56	125				184	
01/18/93	1.0	4.40	4.40	280	4.0	36.0	0.15	2.47	2.62	116				218	
02/25/93	0.3	4.50	4.60	300	2.0	26.0	0.15	2.34	2.42	144				216	
03/04/93	4.6	4.50	5.00	280	2.0	18.0	0.15	3.14	2.60	137				190	
03/24/93	11.3	4.50	4.70	420	2.0	40.0	0.18	2.51	4.02	235				342	
04/21/93	11.1	4.50	4.30	420	10.0	36.0	0.19	2.29	3.37	188				340	
05/21/93	0.6	4.40	4.30	140	12.0	0.0	0.19	2.72	6.30	236				468	
06/28/93	0.0														
07/29/93	4.4	3.90	4.20	340	8.0	38.0	0.23	2.76	3.50	207				334	
08/18/93	0.0														
09/30/93	16.0	4.70	4.30	360	10.0	38.0	0.22	2.18	2.50	139				240	
10/27/93	0.4	4.30	4.40	380	2.0	60.0	0.30	3.00	3.74	174				340	20.0
11/15/93	4.2	4.50	4.30	340	10.0	202.0	0.16	3.25	4.61	170				286	
12/15/93	1.7	4.80	4.30	420	6.0	210.0	0.23	3.79	7.76	324				484	
01/26/94	4.1	5.10	4.30	360	8.0	58.0	0.25	3.08	5.27	226				326	
02/28/94	3.6	5.00	4.30	320	10.0	44.0	0.15	2.25	4.13	166				278	

Bold Italic= less than detection limits

Appendix 5.B
Ebensburg Power Company
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Date	Flow (GPM) or Static Water Elevation (ft)	Field pH (Standard Units)	Lab pH (Standard Units)	Specific Conductivity (umhos/cm)	Alkalinity (mg/L)	Acidity (mg/L)	Iron (mg/L)	Mn (mg/L)	Al (mg/L)	SO4 (mg/L)	Chloride (mg/L)	Sodium (mg/L)	Potassium (mg/L)	TDS (mg/L)	TSS (mg/L)
03/30/94	4.6	4.40	4.40	260	8.0	26.0	0.15	6.14	1.00	115				260	
04/26/94	0.4	4.40	4.10	420	8.0	44.0	0.15	3.23	3.67	168				306	
05/31/94	0.0														
06/22/94	0.2	4.90	4.10	380	6.0	40.0	1.11	3.41	3.27	175				450	
10/31/94	6.3	4.10	4.10	480	4.0	62.0	0.20	3.80	6.00	169				120	
11/22/94	1.4	4.20	4.10	520	6.0	70.0	1.20	4.00	8.00	217				338	
12/27/94	0.7	4.30	4.30	560	12.0	72.0	0.20	3.60	7.00	221				312	
01/31/95	1.0	4.30	3.90	560	4.0	66.0	0.20	3.70	7.00	202				312	
02/27/95	1.2	4.30	4.20	540	6.0	60.0	0.20	2.00	7.00	184				260	
03/30/95	0.8	4.40	4.20	740	14.0	66.0	0.20	4.60	10.00	296				500	
04/27/95	0.5	4.30	4.10	660	4.0	76.0	0.20	4.20	10.00	268				434	
05/31/95	0.0														
06/21/95	0.0														
07/25/95	0.0														
08/28/95	0.0														
09/20/95	0.0														
10/24/95	0.6	4.30	4.30	480	4.0	65.0	0.20	3.60	6.00	218				380	
11/22/95	1.6	4.40	4.30	490	5.0	72.0	0.20	3.40	7.00	196				410	
12/21/95	1.0	4.70	4.40	510	4.0	66.0	0.20	3.90	8.00	228				420	
01/29/96	0.8	4.90	4.20	600	6.0	72.0	0.20	3.30	8.00	274				416	
02/09/96	0.6	4.60	4.40	420	6.0	52.0	0.20	2.40	5.00	186				334	
03/14/96	2.8	4.60	4.30	460	5.0	5.0	0.20	2.40	5.00	154				186	
04/22/96	2.3	4.60	4.00	620	6.0	44.0	0.15	4.60	10.00	281				340	
05/20/96	1.5	4.80	4.20	480	4.0	56.0	0.15	2.50	1.00	151				246	
06/21/96	0.5	4.80	4.10	360	6.0	40.0	0.20	2.40	3.00	145				232	
07/31/96	0.0														
08/26/96	0.1	3.70	4.00	500	4.0	0.0	0.30	2.80	5.00	157				210	
09/30/96	1.3	5.30	4.10	380	8.0	50.0	0.20	2.30	5.00	160				242	
10/25/96	1.2	3.50	4.10	420	6.0	46.0	0.15	2.30	4.00	142				200	
11/22/96	0.9	4.20	4.20	500	4.0	70.0	0.15	2.90	5.00	240				382	
12/18/96	1.7	3.50	3.50	420	0.0	40.0	0.20	2.40	5.00	165				268	
01/16/97	1.1	4.10	4.20	600	8.0	22.0	0.15	3.40	8.00	340				490	
02/24/97	1.9	3.90	4.40	400	9.0	45.0	0.15	2.00	4.00	175				344	
03/12/97	2.2	3.80	4.30	420	6.0	44.0	0.15	2.10	4.00	188				200	
04/16/97	0.5	3.90	4.20	640	4.0	68.0	0.15	3.20	6.00	269				452	
05/28/97	1.2	3.70	4.10	440	6.0	0.0	0.15	2.30	4.00	142				296	
06/16/97	0.2	3.50	4.10	500	6.0	42.0	0.30	3.20	5.00	197				498	
07/25/97	0.2	3.50	3.80	600	2.0	8.0	0.20	4.10	9.00	275				460	
08/22/97	0.3	3.90	4.10	480	8.0	44.0	0.20	2.30	4.00	168				312	
09/25/97	0.0														
10/29/97	0.4	4.20	4.20	620	6.0	58.0	0.30	3.90	9.00	280				448	
11/21/97	1.8	4.30	4.10	520	4.0	74.0	0.15	2.20	6.00	272				396	
12/18/97	1.0	4.60	4.40	580	8.0	106.0	0.20	3.20	7.00	249				426	
01/19/98	1.5	4.70	4.40	540	10.0	70.0	0.20	2.60	5.00	244				332	10.0
02/23/98	1.8	4.80	4.20	560	8.0	62.0	0.15	2.20	4.00	181				362	

Bold Italic= less than detection limits

Appendix 5.B
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Date	Flow (GPM) or Static Water Elevation (ft)	Field pH (Standard Units)	Lab pH (Standard Units)	Specific Conductivity (umhos/cm)	Alkalinity (mg/L)	Acidity (mg/L)	Iron (mg/L)	Mn (mg/L)	Al (mg/L)	SO4 (mg/L)	Chloride (mg/L)	Sodium (mg/L)	Potassium (mg/L)	TDS (mg/L)	TSS (mg/L)
03/26/98	1.1	4.80	4.40	620	6.0	82.0	0.15	2.80	5.00	242				476	4.0
04/29/98	1.1	4.60	4.20	440	6.0	44.0	0.15	2.40	4.00	165				220	
05/28/98	0.0														
06/16/98	2.1	4.50	4.00	740	4.0	10.0	0.40	3.10	8.00	286				732	
07/24/98	0.0														
08/31/98	0.0														
09/21/98	0.0														
10/21/98	0.0														
11/18/98	0.0														
12/16/98	0.0														
01/13/99	4.5	4.00	4.10	640	8.0	10.0	0.15	4.10	10.00	354				502	18.0
02/10/99	2.0	4.00													
03/17/99	2.3	4.10	4.10	660	6.0	154.0	0.15	3.20	8.00	359				496	
04/14/99	1.6	4.10	4.00	480	2.0	198.0	0.15	2.10	3.00	177				344	
05/26/99	0.4	3.90	4.20	660	7.0	9.0	0.30	4.10	7.00	378				608	16.0
06/22/99	0.0														
07/14/99	0.0														
08/11/99	0.0														
09/22/99	0.0														
10/27/99	0.0														
11/17/99	0.0														
12/15/99	2.5	4.40	4.40	460	8.0	104.0	0.15	2.30	5.00	262				396	
01/27/00	0.0														
02/16/00	1.8	4.10	4.30	440	8.0	88.0	0.15	2.80	5.00	222				358	
03/15/00	5.2	4.20	4.30	480	8.0	2.0	0.15	2.90	4.00	193				370	
04/19/00	10.1	4.10	4.30	360	6.0	78.0	0.15	2.50	3.00	184				282	28.0
05/17/00	0.1	3.90	4.10	600	4.0	96.0	0.40	4.20	8.00	226				1524	
06/14/00	0.0														
07/31/00	8.1	3.90	4.00	720	4.0	126.0	0.50	3.60	8.00	240				474	108.0
08/30/00	0.2	4.00	5.10	740	14.0	86.0	0.30	3.70	7.00	272				476	
09/29/00	5.3	4.00	3.90	840	6.0	64.0	0.30	2.70	4.00	259				390	
10/25/00	0.6	4.10	3.80	760	2.0	86.0	0.20	3.30	5.00	203				346	
11/15/00	0.7	3.90	4.10	631	4.0	0.0	0.20	3.30	6.00	219				348	
12/13/00	1.2	4.30	4.10	736	4.0	106.0	0.15	3.20	5.00	247				388	
01/17/01	1.1	4.20	4.10	879	6.0	74.0	0.15	3.90	8.00	386				600	
02/08/01	1.4	4.10	4.00	700	2.0	88.0	0.15	3.00	5.00	247				450	
03/14/01	6.3	4.20	6.70	513	12.0	6.0	0.15	1.80	3.00	144				284	
04/11/01	4.1	4.00	3.60	680	0.0	100.0	0.20	2.30	3.00	173				360	
05/17/01	0.0														
06/11/01	0.0														
07/11/01	1.0	3.90	3.60	832	0.0	100.0	0.30	3.60	5.00	249				262	
08/08/01	0.0														
09/13/01	0.0														
10/10/01	0.0														
11/06/01	0.0	3.90	4.30	948	13.0	89.0	0.15	5.90	9.00	358				728	

Bold Italic= less than detection limits

Date	Flow (GPM) or Static Water Elevation (ft)	Field pH (Standard Units)	Lab pH (Standard Units)	Specific Conductivity (umhos/cm)	Alkalinity (mg/L)	Acidity (mg/L)	Iron (mg/L)	Mn (mg/L)	Al (mg/L)	SO4 (mg/L)	Chloride (mg/L)	Sodium (mg/L)	Potassium (mg/L)	TDS (mg/L)	TSS (mg/L)
12/05/01	0.5	6.10	4.10	742	8.0	3.0	0.15	4.40	6.00	247				464	
01/10/02	3.5	4.00	4.10	856	10.0	42.0	0.15	4.20	8.00	315				570	2.0
02/06/02	0.7	4.10	4.20	748	7.0	49.0	0.20	3.90	6.00	292					
03/08/02	0.7	4.20	4.50	812	0.0	41.0	0.15	3.90	7.00	305				546	
04/02/02	1.7	4.10	4.30	614	10.0	40.0	0.15	2.50	3.00	205				424	
05/10/02	2.0	4.00	5.30	527	14.0	0.0	0.20	2.00	3.00	173				360	
06/03/02	0.3	4.10	4.20	586	8.0	42.0	0.20	3.00	3.00	186				304	12.0
07/03/02	0.0														
08/06/02	0.9	3.90	4.20	947	10.0	90.0	0.30	4.50	7.00	303				580	
09/03/02	0.0														
10/04/02	0.4	4.00	4.30	932	10.0	40.0	0.20	4.90	8.00	305				606	
11/06/02	0.0														
12/10/02	0.7	4.10	4.00	788	1.0	499.0	0.15	3.80	7.00	289				404	
01/10/03	2.6	4.10	4.30	611	4.0	40.0	0.15	2.20	3.00	234				476	
02/06/03	6.8	4.10	3.40	805	0.0	100.0	0.15	3.30	5.00	365				452	
03/07/03	2.3	4.20	4.40	678	14.0	38.0	0.15	2.70	4.00	252				436	
04/02/03	3.8	4.20	4.20	723	6.0	6.0	0.15	2.70	4.00	193				446	
05/07/03	3.1	4.10	4.80	914	2.0	20.0	0.15	3.50	5.00	336				688	
06/10/03	1.7	4.10	4.10	623	4.0	40.0	0.20	2.60	3.00	209				410	
06/10/03	1.6		4.10	624	0.0	55.6	0.21	2.36	2.97	190	61.50	38.10	7.07	394	2.0

Appendix 5.B
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Date	Flow (GPM) or Static Water Elevation (ft)	Field pH (Standard Units)	Lab pH (Standard Units)	Specific Conductivity (umhos/cm)	Alkalinity (mg/L)	Acidity (mg/L)	Iron (mg/L)	Mn (mg/L)	Al (mg/L)	SO4 (mg/L)	TDS (mg/L)	TSS (mg/L)
07/31/90	36.2	3.20	3.20	2400	0.0	2570.0	2.16	11.10	391.30	3122	4873	
08/28/90	26.9	3.10	3.10	2400	0.0	3050.0	2.30	11.80	443.00	3738	5310	
09/26/90	31.3	3.10	3.10	2600	0.0	3110.0	2.32	11.20	449.40	4016	6462	
10/25/90	36.6	3.30	3.10	2600	0.0	2930.0	2.33	9.39	426.50	3662	5410	
11/20/90	33.9	3.30	3.20	2400	0.0	2340.0	2.23	11.80	413.80	3448	4943	
12/20/90	38.6	3.20	3.20	2200	0.0	2400.0	2.15	10.20	405.50	3497	4890	
01/15/91	30.0	3.00	3.10	2800	0.0	2790.0	2.23	11.10	409.60	3903	5172	
02/22/91	45.5	3.40	3.20	2000	0.0	2500.0	2.18	8.42	444.40	3296	5382	8.0
03/25/91	50.9	3.20	3.20	2200	0.0	2480.0	1.89	7.27	333.30	3378	4740	
04/18/91	48.2	3.10	3.00	3000	0.0	2570.0	1.98	8.96	333.30	3346	5038	
05/14/91	43.0	3.00	3.00	3400	0.0	2600.0	2.16	9.12	512.20	3524	4824	
06/17/91	31.8	3.00	3.10	2800	0.0	3140.0	2.38	9.28	531.70	4045	6644	
07/24/91	20.4	3.10	3.10	4200	0.0	2672.0	2.40	11.80	521.70	4499	7148	14.0
08/23/91	15.9	3.10	3.00	3800	0.0	3530.0	2.22	10.30	480.00	4788	7608	24.0
09/27/91	13.1	3.10	3.10	4200	0.0	3600.0	2.87	16.00	591.60	4743	7078	2.0
10/29/91	10.3	3.20	3.20	3800	0.0	3400.0	2.11	15.60	623.40	4732	6686	0.8
11/27/91	11.0	3.10	3.10	3600	0.0	3280.0	2.34	14.90	417.70	4425	6988	36.0
12/12/91	16.1	3.20	3.20	2800	0.0	2980.0	2.54	13.90	307.70	4005	5796	26.0
01/23/92	18.7	3.00	2.80	2600	0.0	2510.0	2.39	12.00	323.00	3296	4656	
02/11/92	24.3	3.10	3.30	2800	0.0	2400.0	1.64	10.70	198.00	2931	4658	
03/25/92	35.8	3.10	3.20	2800	0.0	2040.0	1.70	7.00	164.00	3023	4330	4.0
04/29/92	38.1	3.20	3.20	2800	0.0	2330.0	1.35	9.90	174.00	2831	4098	6.0
05/20/92	29.3	3.20	3.20	2600	0.0	2090.0	1.58	8.50	196.00	2635	4130	
06/18/92	20.8	3.00	3.20	2800	0.0	2840.0	1.49	9.30	237.00	2953	4940	26.0
07/29/92	19.8	3.10	3.20	2800	0.0	2640.0	2.00	8.60	289.00	3505	5270	20.0
08/24/92	19.1	3.10	3.10	2800	0.0	2800.0	1.98	11.00	202.00	3085	5310	
09/22/92	19.3	3.20	3.20	2600	0.0	2660.0	1.80	8.70	210.00	2684	4706	12.0
10/21/92	18.3	3.30	3.20	2800	0.0	2400.0	1.75	8.90	295.00	3227	4656	
11/20/92	17.7	3.50	3.00	2600	0.0	2530.0	1.78	8.20	247.00	3766	4586	
12/21/92	25.9	3.10	3.10	2600	0.0	2510.0	2.13	8.10	242.00	3684	3774	1.2
01/18/93	44.1	3.20	3.20	2600	0.0	2830.0	2.27	10.20	252.00	3709	5244	
02/25/93	28.1	3.60	3.20	2400	0.0	1870.0	1.80	7.60	152.00	3208	4848	
03/24/93	32.1	3.60	3.30	2400	0.0	1390.0	1.90	8.00	207.00	3352	3962	
04/21/93	58.4	3.20	3.20	2200	0.0	3870.0	2.57	8.90	295.00	3592	5418	
05/21/93	37.3	3.30	3.40	1800	0.0	2238.0	2.12	5.80	200.00	2557	4318	
06/28/93	29.5	3.40	3.40	2000	0.0	2450.0	2.30	11.90	168.00	3885	5148	
07/29/93	24.3	3.00	3.30	2200	0.0	2520.0	2.37	7.60	280.00	3542	5702	
08/18/93	23.0	3.40	3.20	1800	0.0	2500.0	2.55	8.80	265.00	3796	4482	
09/30/93	21.4	3.90	3.20	2200	0.0	2750.0	2.42	8.00	190.00	3172	4548	
10/27/93	21.5	3.20	3.20	2200	0.0	1660.0	2.45	8.40	222.00	3436	4970	
11/15/93	21.5	3.50	3.30	1800	0.0	2650.0	2.21	11.00	235.00	3065	4554	
12/15/93	37.9	3.50	3.10	1600	0.0	2242.0	2.14	7.60	206.00	3141	4408	
01/26/94	27.2	3.50	3.20	1600	0.0	2410.0	2.08	8.10	196.00	3160	4226	16.0
02/28/94	26.5	3.40	3.20	1600	0.0	2200.0	2.54	7.80	200.00	3358	4134	
03/30/94	25.8	3.30	3.30	2000	0.0	2820.0	2.26	10.10	256.00	3662	5116	
04/26/94	43.5	3.40	3.00	2200	0.0	2590.0	2.85	8.10	265.00	3864	5768	
05/31/94	31.3	3.40	3.20	1600	0.0	2390.0	2.71	7.30	214.00	3974	4408	
06/22/94	23.8	3.50	3.10	2000	0.0	2432.0	2.56	7.80	102.00	3192	5168	
10/31/94	18.30	3.30	3.20	3000	0.0	2212.0	2.59	7.30	245.00	3148	3830	
11/22/94	Flooded											
12/27/94	25.10	3.40	3.40	3200	0.0	1724.0	1.98	7.05	192.00	2344	3766	
01/31/95	Flooded											
02/27/95	21.20	3.50	3.30	2800	0.0	1590.0	1.92	5.52	153.00	2072	2774	
03/30/95	29.70	3.50	3.30	2800	0.0	1230.0	1.81	5.53	152.00	2139	3112	
04/27/95	Flooded											
05/31/95	Flooded											
06/21/95	Flooded											
07/25/95	Flooded											
08/28/95	Flooded											
09/20/95	Flooded											
10/24/95	Flooded											
11/22/95	Flooded											
12/21/95	Flooded											
01/29/96	Flooded											
02/09/96	21.80	3.20	3.30	2800	0.0	1960.0	1.93	7.10	290.00	2667	3852	

Bold Italic= less than detection limits

Date	Flow (GPM) or Static Water Elevation (ft)	Field pH (Standard Units)	Lab pH (Standard Units)	Specific Conductivity (umhos/cm)	Alkalinity (mg/L)	Acidity (mg/L)	Iron (mg/L)	Mn (mg/L)	Al (mg/L)	SO4 (mg/L)	TDS (mg/L)	TSS (mg/L)
03/14/96	39.60	3.50	3.20	2600	0.0	2002.0	1.76	11.00	333.00	2565	4740	
04/22/96	31.1	3.70	3.30	2400	0.0	1904.0	1.72	9.60	333.00	2475	4346	
05/20/96	Flooded											
06/21/96	23.00	4.00	3.20	2400	0.0	1740.0	1.41	9.60	218.00	2500	3596	
07/31/96	22.80	3.20	3.10	2800	0.0	1330.0	1.53	9.70	282.00	2463	4242	
08/26/96	17.00	3.00	3.20	2400	0.0	2000.0	1.77	9.30	287.00	2471	3340	
09/30/96	23.60	3.20	3.30	2600	0.0	1150.0	1.54	8.70	272.00	2470	3169	
10/25/96	24.70	3.10	3.20	2600	0.0	1070.0	1.27	7.50	224.00	2233	2934	
11/22/96	28.70	3.20	3.20	2400	0.0	1150.0	1.22	8.70	198.00	2258	2820	
12/18/96	32.90	2.70	2.30	2400	0.0	1270.0	1.64	7.50	231.00	2003	2832	
01/16/97	28.10	3.00	3.30	2600	0.0	1382.0	1.41	7.30	309.00	2261	2856	
02/24/97	27.10	3.00	3.30	2600	0.0	1410.0	1.91	8.90	236.00	2296	3336	
03/12/97	37.00	2.90	3.20	2600	0.0	1290.0	2.04	7.20	199.00	2175	2172	
04/16/97	29.20	2.70	3.30	2600	0.0	1000.0	1.39	5.90	205.00	2208	3316	
05/28/97	23.50	3.00	3.30	3000	0.0	1940.0	1.86	15.30	279.00	2816	4490	
06/16/97	15.80	2.60	3.30	2600	0.0	1600.0	1.50	11.20	220.00	2340	4595	
07/25/97	13.00	3.40	2.90	2400	0.0	1700.0	1.56	11.10	415.00	2475	3452	
08/22/97	13.90	2.80	3.30	2800	0.0	1890.0	1.68	13.70	304.00	2269	4132	
09/25/97	9.50	2.90	3.30	2600	0.0	1540.0	1.43	9.20	146.00	2374	3222	2.0
10/29/97	8.58	3.00	3.30	2600	0.0	1620.0	1.53	10.10	179.00	2363	3250	
11/21/97	23.40	3.10	3.60	2600	0.0	1600.0	1.61	8.00	150.00	2530	3382	
12/18/97	25.80	3.50	3.30	2800	0.0	1720.0	2.26	8.60	182.00	2481	3586	
01/19/98	3.90	3.40	3.70	2800	0.0	2220.0	2.90	8.90	152.00	2898	3526	
02/23/98	7.08	3.50	3.30	3000	0.0	1840.0	3.60	8.30	244.00	2482	3478	
03/26/98	34.2	3.50	3.50	3200	0.0	3000.0	4.30	10.30	363.00	3769	5150	8.0
04/29/98	30.02	3.60	3.20	2600	0.0	2180.0	4.10	9.00	201.00	2832	3908	
05/28/98	28.51	4.00	3.20	3000	0.0	3040.0	4.20	8.30	218.00	3152	4124	
06/16/98	20.06	4.50	3.20	3200	0.0	2490.0	4.40	9.20	281.00	2927	5842	
07/24/98	14.84	4.10	3.10	3000	0.0	1900.0	2.10	9.60	269.00	2823	4526	
08/31/98	9.30	3.00	3.20	2200	0.0	1730.0	1.80	10.10	230.00	2394	3536	10.0
09/21/98	7.33	3.00	3.40	2000	0.0	1010.0	1.70	10.10	216.00	2422	3100	
10/21/98	4.80	3.20	3.20	2600	0.0	264.0	1.60	10.00	205.00	2248	3300	
11/18/98	2.14	3.00	2.80	2600	0.0	1400.0	1.60	9.50	167.00	2449	3604	
12/16/98	0.75	3.10	3.30	2400	0.0	2130.0	1.40	10.60	175.00	2510	3202	
01/13/99	3.20	3.20	3.30	2000	0.0	1420.0	1.40	8.60	182.00	2062	2896	
02/10/99	3.00	3.10										
03/17/99	17.20	3.10	3.20	2400	0.0	1630.0	1.50	8.30	162.00	2137	3118	
04/14/99	28.50	3.00	3.10	2200	0.0	1658.0	1.40	8.10	137.00	2179	2728	
05/26/99	16.90	3.20	3.30	1600	0.0	1940.0	1.60	9.00	179.00	2349	2928	
06/22/99	8.60	3.00	3.20	2600	0.0	1770.0	1.40	8.20	201.00	2607	3198	
07/14/99	5.20	3.20	3.30	2000	0.0	1200.0	1.30	9.20	178.00	40	3928	
08/11/99	3.20	3.10	3.30	540	0.0	1468.0	1.40	10.20	167.00	1847	3064	
09/22/99	3.30	3.00	3.30	1200	0.0	680.0	1.30	8.60	174.00	1744	2886	
10/27/99	4.05	3.20	2.90	1800	0.0	1910.0	1.20	10.50	134.00	5529	2696	
11/17/99	3.37	3.00	3.40	1800	0.0	442.0	1.20	10.70	122.00	2055	2536	6.0
12/15/99	8.29	3.10	3.30	2000	0.0	508.0	1.20	8.30	188.00	2196	2902	
01/27/00	7.18	3.40	3.80	1600	0.0	1480.0	1.20	9.60	167.00	1856	2454	
02/16/00	Flooded											
03/15/00	18.70	3.10	3.30	2200	0.0	111.0	1.10	10.30	220.00	1874	2580	
04/19/00	18.52	3.20	3.40	1400	0.0	700.0	0.90	7.60	134.00	1493	1778	6.0
05/17/00	16.31	3.40	3.30	1400	0.0	1000.0	1.00	7.70	104.00	1524	3604	
06/14/00	16.90	3.30	2.60	1800	0.0	940.0	0.90	8.00	108.00	1505	2174	
07/31/00	7.98	3.60	3.50	1800	0.0	900.0	0.90	7.80	119.00	1419	2254	
08/30/00	8.01	3.30	4.70	1800	0.0	970.0	0.90	8.60	117.00	1826	696	
09/29/00	6.89	3.30	3.40	2400	0.0	1250.0	1.00	9.70	183.00	1988	2350	
10/25/00	6.86	3.30	3.10	2600	0.0	1300.0	1.00	9.70	163.00	1713	2612	
11/15/00	6.86	3.30	3.20	2320	0.0	1100.0	1.00	9.10	129.00	1666	2322	
12/13/00	8.59	3.30	3.30	2160	0.0	940.0	0.90	8.90	128.00	1417	1968	
01/17/01	8.79	3.20	3.40	2500	0.0	800.0	0.90	7.50	75.00	1461	2148	5.0
02/08/01	10.93	3.10	3.10	2660	0.0	870.0	0.80	8.00	126.00	1281	1836	
03/14/01	22.75	3.20	3.00	2700	0.0	1200.0	1.20	7.30	187.00	1709	2310	
04/11/01	22.62	3.20	3.00	2220	0.0	1200.0	1.10	6.40	147.00	1649	2384	4.0
05/17/01	16.24	3.20	3.60	2110	0.0	1450.0	1.20	6.40	157.00	1714	2106	
06/11/01	10.90	3.20	3.40	2180	0.0	1130.0	0.90	6.50	181.00	1389	1490	
07/11/01	9.88	3.30	3.00	2180	0.0	1800.0	0.90	7.80	124.00	1461	2044	

Date	Flow (GPM) or Static Water Elevation (ft)	Field pH (Standard Units)	Lab pH (Standard Units)	Specific Conductivity (umhos/cm)	Alkalinity (mg/L)	Acidity (mg/L)	Iron (mg/L)	Mn (mg/L)	Al (mg/L)	SO4 (mg/L)	TDS (mg/L)	TSS (mg/L)
08/08/01	5.43	3.30	3.20	2140	0.0	1000.0	0.90	7.80	154.00	1632	2104	
09/13/01	4.18	3.20	3.20	2210	0.0	590.0	1.00	8.60	114.00	1565	2254	
10/10/01	2.89	3.30	3.30	2090	0.0	1000.0	3.00	7.80	122.00	1396	2938	
11/06/01	1.38	3.20	3.70	2150	0.0	800.0	0.90	9.10	118.00	1445	2144	
12/05/01	3.10	3.30	3.40	2030	0.0	537.0	0.80	9.30	122.00	1434	1948	
01/10/02	8.87	3.10	3.30	2200	0.0	782.0	1.00	8.40	156.00	1551	2080	
02/06/02	10.95	3.20	3.50	1947	0.0	689.0	1.00	6.70	103.00	1249	1784	
03/08/02	12.59	3.10	3.50	1860	0.0	543.0	0.80	6.00	85.00	1129	1592	
04/02/02	19.13	3.20	3.40	1775	0.0	600.0	0.70	6.10	74.00	1039	1514	
05/10/02	22.22	3.20	3.40	1948	0.0	660.0	0.80	5.70	100.00	1221	1870	
06/03/02	24.07	3.20	3.30	2100	0.0	870.0	0.90	5.50	138.00	1492	1932	
07/03/02	19.19	3.30	3.30	2030	0.0	700.0	0.80	4.90	156.00	1293	1844	
08/06/02	9.69	3.30	3.40	1825	0.0	500.0	0.70	5.10	79.00	1121	1780	
09/03/02	6.16	3.20	3.60	1923	0.0	600.0	0.60	6.50	71.00	1126	1594	
10/04/02	4.83	3.30	3.50	2020	0.0	700.0	0.60	7.50	85.00	1249	1794	
11/06/02	0.00											
12/10/02	12.37	3.20	3.20	2090	0.0	800.0	0.90	6.80	116.00	1799	1820	
01/10/03	24.46	3.30	3.30	2050	0.0	544.0	0.80	6.00	98.00	1260	1802	
02/06/03	19.55	3.30	3.10	2100	0.0	21.0	0.90	4.10	83.00	1100	1650	
03/07/03	19.44	3.30	3.40	2080	0.0	480.0	0.60	5.10	78.00	1116	1670	
04/02/03	28.96	3.50	3.30	2210	0.0	660.0	0.80	4.50	93.00	1261	1894	
05/07/03	21.1	3.40	3.30	2020	0.0	558.0	0.70	3.70	63.00	1058	1706	
06/10/03	24.09	3.50	3.20	2000	0.0	600.0	0.70	5.30	74.00	1162	2038	

Appendix 5.B
Ebensburg Power Company
Revloc Site

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Date	Flow (GPM) or Static Water Elevation (ft)	Field pH (Standard Units)	Lab pH (Standard Units)	Specific Conductivity (umhos/cm)	Alkalinity (mg/L)	Acidity (mg/L)	Iron (mg/L)	Mn (mg/L)	SO4 (mg/L)	Al (mg/L)	TDS (mg/L)	TSS (mg/L)
07/31/90	17.1	3.00	3.00	2400	0.0	3370.0	2.67	10.60	4135	507.20	6116	
08/28/90	10.2	3.10	3.10	3000	0.0	3470.0	2.70	13.30	4335	519.00	6104	
09/26/90	11.8	3.00	3.00	3200	0.0	4050.0	2.69	14.00	4505	550.60	7898	
10/25/90	14.1	3.20	3.10	3000	0.0	3600.0	2.94	11.70	4517	573.50	7024	
11/20/90	15.5	3.20	3.10	2800	0.0	3120.0	2.73	14.00	4273	534.50	5946	
12/20/90	17.6	3.10	3.10	2600	0.0	3250.0	2.35	12.80	4253	516.60	5827	
01/15/91	15.3	3.00	3.10	3200	0.0	3380.0	2.76	12.40	4531	506.00	6452	2.0
02/22/91	20.4	3.30	3.00	2000	0.0	3300.0	2.89	10.20	4442	522.20	6544	
03/25/91	21.7	3.00	3.00	2600	0.0	3200.0	2.66	7.72	4303	448.70	5872	
04/18/91	20.0	3.00	3.00	3600	0.0	3280.0	2.71	9.73	4161	432.10	6166	
05/14/91	19.0	3.00	3.00	4000	0.0	3570.0	2.83	9.65	4566	329.30	6198	
06/17/91	11.8	2.90	3.00	3200	0.0	3820.0	2.82	10.50	4817	632.90	9126	
07/24/91	7.8	3.00	3.00	4800	0.0	4100.0	2.73	11.00	5078	586.90	8040	7.0
08/23/91	6.2	3.10	3.00	4200	0.0	4160.0	2.67	10.70	5272	453.00	8150	
09/27/91	4.2	3.00	3.00	4800	0.0	4200.0	3.36	17.30	5372	704.20	8160	2.0
10/29/91	3.0	3.10	3.10	4200	0.0	3900.0	2.43	15.00	5527	558.40	8288	
11/27/91	2.8	3.10	3.10	4000	0.0	3980.0	2.75	15.30	5303	558.40	7872	24.0
12/12/91	6.1	3.10	3.10	4200	0.0	3740.0	2.97	13.90	4284	461.70	6642	26.0
01/23/92	7.5	2.90	2.70	1300	0.0	2900.0	2.30	12.90	3759	344.00	5632	
02/11/92	8.8	3.00	3.20	3200	0.0	2600.0	1.87	10.50	3477	229.00	5134	
03/25/92	15.1	3.10	3.10	3200	0.0	2530.0	1.92	7.10	3430	164.00	4846	
04/29/92	20.7	3.20	3.10	2800	0.0	2050.0	1.34	9.90	2859	203.00	4198	12.0
05/20/92	12.8	3.10	3.20	3000	0.0	2880.0	1.92	8.10	3526	239.00	5266	0.8
06/18/92	7.7	2.90	3.00	3000	0.0	3270.0	1.74	9.40	3310	340.00	5876	26.0
07/29/92	7.7	3.00	3.10	3200	0.0	2700.0	2.30	10.00	4105	299.00	5644	12.0
08/24/92	8.2	3.00	3.00	3000	0.0	3200.0	2.19	10.30	4006	236.00	6384	10.0
09/22/92	8.6	3.10	3.00	3000	0.0	2820.0	2.14	9.80	4474	284.00	5674	
10/21/92	7.7	3.10	3.00	3200	0.0	2900.0	2.11	10.50	4422	366.00	5292	
11/20/92	7.4	3.30	3.10	2800	0.0	3300.0	2.14	9.00	3998	286.00	5314	
12/21/92	10.9	3.10	3.00	2800	0.0	2730.0	2.48	9.60	4104	295.00	4732	
01/18/93	18.4	3.10	3.10	3000	0.0	3350.0	2.61	10.90	4230	301.00	5878	
02/25/93	11.5	3.90	3.20	2800	0.0	2540.0	2.00	8.70	3574	202.00	5116	
03/24/93	Flooded											
04/21/93	32.0	3.00	3.20	1800	0.0	3370.0	3.52	8.90	4368	358.00	7006	
05/21/93	18.8	3.10	3.20	2000	0.0	2560.0	3.06	6.00	3091	250.00	5104	0.8
06/28/93	13.9	3.20	3.30	2000	0.0	3560.0	2.95	10.80	4140	218.00	7188	
07/29/93	11.4	2.80	3.20	2200	0.0	3540.0	2.83	9.00	4491	360.00	6736	
08/18/93	10.1	3.30	3.10	2600	0.0	3170.0	2.96	9.70	4488	294.00	5662	
09/30/93	8.4	3.60	3.10	2600	0.0	3700.0	3.05	9.70	4235	230.00	7024	
10/27/93	3.3	3.10	3.10	2200	0.0	3230.0	3.01	8.80	3942	283.00	5974	
11/15/93	10.2	3.30	3.10	1800	0.0	3000.0	2.26	11.50	4263	275.00	5562	
12/15/93	15.6	3.30	3.10	2000	0.0	2560.0	2.48	8.30	3465	243.00	5138	10.0
01/26/94	8.0	3.40	3.10	1800	0.0	3110.0	2.44	8.30	3868	250.00	5486	
02/28/94	7.3	3.20	3.00	2000	0.0	3030.0	3.20	9.90	3798	250.00	5772	
03/30/94	10.4	3.10	3.10	2200	0.0	2860.0	2.79	9.70	4030	278.00	5452	
04/26/94	18.9	3.30	2.80	2400	0.0	3250.0	3.63	7.70	4200	286.00	6338	
05/31/94	12.3	3.80	3.10	1800	0.0	2850.0	3.36	8.60	3916	276.00	5540	
06/22/94	7.8	3.20	3.20	2000	0.0	3090.0	3.29	11.80	3952	112.00	5776	
10/31/94	18.3	3.30	3.20	3000	0.0	2212.0	2.59	7.30	3148	245.00	3830	
11/22/94	Flooded											
12/27/94	25.1	3.40	3.40	3200	0.0	1724.0	1.98	7.05	2344	182.00	3766	
01/31/95	Flooded											
02/27/95	21.2	3.50	3.30	2800	0.0	1590.0	1.90	5.52	2072	153.00	2774	
03/30/95	29.7	3.50	3.30	2800	0.0	1230.0	1.81	5.53	2139	152.00	3112	
04/27/95	Flooded											
05/31/95	Flooded											
06/21/95	Flooded											
07/25/95	Flooded											
08/28/95	Flooded											
09/20/95	Flooded											
10/24/95	Flooded											
11/22/95	Flooded											
12/21/95	Flooded											

Bold Italic= less than detection limits

Date	Flow (GPM) or Static Water Elevation (ft)	Field pH (Standard Units)	Lab pH (Standard Units)	Specific Conductivity (umhos/cm)	Alkalinity (mg/L)	Acidity (mg/L)	Iron (mg/L)	Mn (mg/L)	SO4 (mg/L)	Al (mg/L)	TDS (mg/L)	TSS (mg/L)
01/29/96	Flooded											
02/09/96	Flooded											
03/14/96	9.1	3.40	3.10	3000	0.0	2460.0	1.97	12.10	2945	381.00	5166	
04/22/96	6.8	3.60	3.10	2800	0.0	2270.0			2908	404.00	4662	
05/20/96	Flooded											
06/21/96	2.4	3.90	3.10	2800	0.0	2230.0	1.60	10.60	3054	285.00	4724	
07/31/96		3.00	3.00	3000	0.0	1520.0	1.80	10.50	2966	361.00	5430	
08/26/96		3.00	3.10									
09/30/96	3.4	3.00	3.20	2800	0.0	1480.0	1.90	9.80	2864	365.00	3754	
10/25/96	11.9	3.00	3.10	3000	0.0	1350.0	1.40	9.20	2679	235.00	3268	
11/22/96	11.7	3.30	3.10	2600	0.0	1240.0	1.50	8.90	2423	233.00	3096	
12/18/96	14.6	2.80	2.30	2600	0.0	1290.0	1.80	7.90	2423	252.00	3460	
01/16/97	10.5	3.00	3.20	2800	0.0	5100.0	1.50	8.10	2598	375.00	3320	
02/24/97	10.2	2.90	3.20	3000	0.0	1810.0	2.30	14.30	2914	298.00	3912	
03/12/97	11.5	2.80	3.10	2800	0.0	1670.0	2.30	7.90	2583	222.00		
04/16/97	1.5	2.60	3.20	3000	0.0	1000.0	1.50	6.30	2500	244.00	3716	
05/28/97	3.7	2.90	3.20	3400	0.0	2520.0	2.30	12.30	3384	346.00	5070	
06/16/97	0.5	2.60	3.20	2800	0.0	1800.0	1.80	9.80	2749	269.00	5196	4.0
07/27/97	0.0											
08/22/97	0.4	2.70	3.20	3200	0.0	2000.0	2.20	11.80	2823	395.00	4816	
09/25/97	0.0											
10/29/97		2.90	3.70	2800	0.0	2160.0	2.00	11.90	3006	180.00	3812	
11/21/97	0.0											
12/18/97	0.0											
01/19/98	29.9	3.50	3.30	2600	0.0	1880.0	2.50	8.00	2617	150.00	3066	
02/23/98	29.4	3.40	3.20	3200	0.0	2210.0	4.10	8.80	2992	226.00	3916	
03/26/98	6.9	3.40	3.20	3800	0.0	2870.0	5.00	9.80	3921	384.00	5976	2.0
04/29/98	7.9	3.40	3.10	3000	0.0	2500.0	4.60	10.10	3563	275.00	4264	
05/28/98	3.1	3.90	3.00	3200	0.0	2800.0	4.90	8.10	3310	258.00	4488	
06/16/98	2.7	4.50	3.10	3600	0.0	2830.0	4.30	10.10	3828	412.00	7024	
07/24/98	0.2	4.00	2.90	3200	0.0	2400.0	2.60	10.10	3150	279.00	5272	
08/31/98	0.0											
09/21/98	0.0											
10/21/98	0.0											
11/18/98	0.0											
12/16/98	0.0											
01/13/99	0.0											
02/10/99	0.0											
03/17/99	2.0	2.90	3.10	2600	0.0	2400.0	2.20	8.40	2932	225.00	3824	
04/14/99	7.9	2.90	3.00	2600	0.0	1900.0	1.80	9.70	2762	164.00	3306	
05/26/99	1.1	3.00	3.30	2400	0.0	2650.0	2.00	9.80	3034	220.00	3701	
06/22/99	0.0											
07/14/99	0.0											
08/11/99	0.0											
09/22/99	0.0											
10/27/99	0.0											
11/17/99	0.0											
12/15/99	0.0											
01/27/00	0.0											
02/16/00	0.0											
03/15/00	1.1	3.00	3.30	2400	0.0	1270.0	1.60	11.20	2184	267.00	2974	
04/19/00	4.6	3.10	3.00	1800	0.0	1200.0	1.30	8.40	1763	197.00	2348	
05/17/00	0.8	3.20	3.20	1800	0.0	1200.0	1.30	7.90	1868	143.00	4202	
06/14/00	1.5	3.20	2.50	2000	0.0	1270.0	1.20	8.60	1807	129.00	2702	
07/31/00	0.0											
08/30/00	0.0											
09/29/00	0.0											
10/25/00	0.0											
11/15/00	0.0											
12/13/00	0.3	3.10	3.20	2390	0.0	1260.0	1.20	10.10	1609	167.00	2222	
01/17/01	0.3	3.00	3.20	2740	0.0	800.0	1.20	8.30	1775	87.00	2482	9.0
02/08/01	0.7	3.00	3.00	2700	0.0	1170.0	1.20	9.10	1532	191.00	2300	
03/14/01	Flooded											

Bold Italic= less than detection limits

Date	Flow (GPM) or Static Water Elevation (ft)	Field pH (Standard Units)	Lab pH (Standard Units)	Specific Conductivity (umhos/cm)	Alkalinity (mg/L)	Acidity (mg/L)	Iron (mg/L)	Mn (mg/L)	SO4 (mg/L)	Al (mg/L)	TDS (mg/L)	TSS (mg/L)
04/11/01	5.0	3.00	2.90	2480	0.0	1400.0	1.30	6.50	1907	218.00	2656	
05/17/01	2.4	3.10	3.50	2310	0.0	1750.0	1.30	6.20	1896	201.00	2370	
06/11/01	1.3	3.10	3.30	2000	0.0	1100.0	1.10	7.10	1603	208.00	2238	
07/11/01	1.5	3.20	3.00	2320	0.0	1200.0	1.10	8.20	1692	171.00	2110	
08/08/01	0.0	3.10	3.20	2310	0.0	1200.0	1.10	8.10	1945	180.00	2362	
09/13/01	0.0											
10/10/01	0.0											
11/07/01	0.0											
12/05/01	0.0											
01/10/02	0.0											
02/06/02	0.4	2.50	3.20	2270	0.0	868.0	1.40	7.60	1570	169.00	2450	
03/08/02	0.6	3.00	3.30	2130	0.0	811.0	1.20	6.60	1342	115.00	2036	
04/02/02	2.2	3.00	3.30	2060	0.0	300.0	1.20	7.00	1392	140.00	348	
05/10/02	4.7	3.00	3.20	2200	0.0	1020.0	1.30	6.20	1592	161.00	2448	
06/03/02	3.1	3.00	3.20	2380	0.0	1160.0	1.20	6.00	1784	191.00	2374	
07/03/02	3.7	3.20	3.20	2250	0.0	800.0	1.10	5.40	1603	224.00	2370	
08/06/02	1.6	3.20	3.30	2090	0.0	800.0	0.90	5.90	1279	88.00	2028	
09/03/02	0.1	3.10	3.40	2010	0.0	700.0	0.70	7.40	1259	102.00	1724	
10/04/02	0.0											
11/06/02	0.0											
12/10/02	1.4	3.00	3.00	2440	0.0	1200.0	1.60	7.40	1149	191.00	2388	
01/10/03	6.4	3.10	3.10	2450	0.0	1038.0	1.60	6.50	1719	168.00	2514	
02/06/03	4.5	3.10	2.90	2430	0.0	900.0	1.50	4.60	1465	136.00	1978	
03/07/03	5.1	3.10	3.30	2480	0.0	920.0	1.40	5.60	1598	161.00	2838	
04/02/03	8.2	3.20	3.20	2490	0.0	870.0	1.50	4.70	1466	171.00	2470	
05/07/03	6.2	3.20	3.20	2200	0.0	616.0	1.20	4.00	1321	97.00	1802	
06/10/03	4.8	3.20	3.00	2240	0.0	900.0	1.30	5.30	1504	113.00	2846	
06/10/03			3.20	2240	0.0	847.8	0.95	4.79	1525	129.00	2850	6.0

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Date	Flow (GPM) or Static Water Elevation (ft)	Field pH (Standard Units)	Lab pH (Standard Units)	Specific Conductivity (umhos/cm)	Alkalinity (mg/L)	Acidity (mg/L)	Iron (mg/L)	Mn (mg/L)	Al (mg/L)	SO4 (mg/L)	Chloride (mg/L)	Sodium (mg/L)	Potassium (mg/L)	TDS (mg/L)	TSS (mg/L)
07/31/90	19.5	3.20	3.20	2200	0.0	2060.0	2.22	10.50	333.30	2760				4134	
08/28/90	12.3	3.20	3.20	2200	0.0	2240.0	2.16	9.98	278.50	2907				4060	
09/26/90	14.5	3.30	3.20	2400	0.0	2200.0	2.04	11.40	292.10	2951				5056	
10/25/90	23.0	3.40	3.30	2200	0.0	2300.0	2.23	9.95	352.90	2852				4958	
11/20/90	19.8	3.40	3.30	2200	0.0	2010.0	2.12	10.50	344.80	2814				4000	
12/20/90	22.6	3.20	3.30	2000	0.0	2090.0	1.85	9.41	333.30	2857				3872	
01/15/91	19.6	3.20	3.20	2600	0.0	2270.0	2.07	8.46	313.30	3021				4274	
02/22/91	35.1	3.40	3.20	1400	0.0	1740.0	1.93	6.45	288.90	2498				3722	
03/25/91	37.8	3.40	3.20	1800	0.0	1740.0	1.70	5.68	230.80	2435				3466	
04/18/91	28.7	3.20	3.10	2400	0.0	1730.0	1.74	6.61	246.90	2277				3370	
05/14/91	24.1	3.20	3.20	2600	0.0	1910.0	2.10	7.52	182.90	2620				3664	
06/17/91	12.0	3.10	3.20	2400	0.0	2500.0	2.20	7.71	329.10	3054				4570	
07/24/91	5.9	3.20	3.20	3600	0.0	2630.0	2.18	11.30	304.30	3528				5865	5.0
08/23/91	3.1	3.20	3.20	3000	0.0	2380.0	1.82	8.56	253.00	3218				5742	
09/27/91	1.0	3.30	3.30	3200	0.0	2200.0	1.76	15.60	338.00	2995				4580	
10/29/91	0.3	3.40	3.40	2800	0.0	2100.0	1.31	13.10	285.70	2976				4432	6.4
11/27/91	0.1	3.20	3.30	2400	0.0	1600.0	1.68	12.00	233.80	2308				3970	22.0
12/12/91	5.4	3.40	3.40	2600	0.0	1540.0	1.23	11.20	217.90	2270				2974	20.0
01/23/92	6.2	3.10	3.20	2200	0.0	1800.0	1.46	9.71	226.00	2333				3684	
02/11/92	11.5	3.20	3.40	2400	0.0	1600.0	1.25	7.64	198.00	2175				3546	
03/25/92	20.4	3.30	3.30	2400	0.0	1520.0	1.28	6.22	146.00	2324				3478	
04/29/92	26.3	3.30	3.20	2400	0.0	1680.0	1.22	6.94	145.00	2342				3370	2.0
05/20/92	17.0	3.30	3.40	2200	0.0	1490.0	1.38	5.42	141.00	2011				3250	
06/18/92	8.3	3.20	3.20	2400	0.0	2400.0	1.29	7.54	196.00	2737				3948	26.0
07/29/92	7.2	3.30	3.40	2200	0.0	2200.0	1.40	7.08	124.00	2263				3334	4.0
08/24/92	7.4	3.30	3.30	2400	0.0	1700.0	1.45	7.23	135.00	2912				4138	
09/22/92	7.1	3.40	3.30	2200	0.0	1650.0	1.27	6.57	137.00	2178				3336	
10/21/92	6.6	3.40	3.40	2400	0.0	1830.0	1.27	6.36	169.00	2324				3356	
11/20/92	5.7	3.60	3.30	2000	0.0	1500.0	1.10	5.16	130.00	1880				2586	
12/21/92	8.9	3.00	2.90	2000	0.0	1410.0	1.24	5.65	128.00	2282				2862	
01/18/93	28.5	3.30	3.30	2600	0.0	2470.0	1.92	7.25	272.00	3282				4984	
02/25/93	14.2	3.60	3.40	2200	0.0	1510.0	1.60	7.12	101.00	2628				3474	
03/24/93	20.6	3.60	3.60	2000	0.0	1690.0	1.62	6.37	217.00	2336				3048	
04/21/93	40.1	3.30	3.30	2000	0.0	2190.0	2.45	6.92	221.00	2634				4384	
05/21/93	26.2	3.40	3.40	1600	0.0	1440.0	2.16	4.15	150.00	1877				3162	0.4
06/28/93	16.5	3.50	3.50	2000	0.0	1910.0	2.45	9.73	149.00	2575				3676	
7/29/1993	11.1	3.50	3.10	1400	0.0	1660.0	2.14	6.29	220.00	2654				3932	
8/18/1993	9.9	3.70	3.30	1800	0.0	1870.0	2.03	6.56	167.00	2599				3444	
9/30/1993	7.2	3.90	3.40	2000	0.0	1360.0	1.71	5.91	120.00	2128				3496	
10/27/1993	8.7	3.30	3.40	1600	0.0	1550.0	1.96	6.86	141.00	2297				3238	
11/15/1993	9.7	3.60	3.40	1600	0.0	1590.0	1.66	8.66	167.00	2367				3186	
12/15/1993	25.4	3.60	3.30	1600	0.0	1900.0	1.98	5.81	168.00	2538				3626	
1/26/1994	15.1	3.70	3.40	1600	0.0	1710.0	1.85	5.84	143.00	2377				3332	
2/28/1994	11.3	3.50	3.40	1600	0.0	1470.0	2.03	6.07	138.00	2444				3044	
3/30/1994	16.8	3.40	3.40	1800	0.0	1900.0	2.49	6.98	167.00	2793				4108	

Bold Italic= less than detection limits

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Date	Flow (GPM) or Static Water Elevation (ft)	Field pH (Standard Units)	Lab pH (Standard Units)	Specific Conductivity (umhos/cm)	Alkalinity (mg/L)	Acidity (mg/L)	Iron (mg/L)	Mn (mg/L)	Al (mg/L)	SO4 (mg/L)	Chloride (mg/L)	Sodium (mg/L)	Potassium (mg/L)	TDS (mg/L)	TSS (mg/L)
4/26/1994	30.9	3.60	3.10	2000	0.0	1790.0	2.75	5.32	153.00	2379				3322	
5/31/1994	18.1	3.60	3.30	1600	0.0	1500.0	2.73	5.76	143.00	2433				3498	
6/22/1994	11.5	3.60	3.30	1800	0.0	1490.0	2.38	7.21	102.00	2591				3942	
10/31/1994	6.1	3.40	3.40	2400	0.0	1280.0	1.60	5.40	122.00	2200				2754	
11/22/1994	6.7	3.60	3.70	2200	0.0	1040.0	1.40	6.40	116.00	1841				2322	
12/27/1994	18.2	3.50	3.60	2600	0.0	1150.0	1.50	5.50	138.00	1980				2890	
1/31/1995	17.5	3.60	3.20	2400	0.0	880.0	1.30	5.10	88.00	1474				2352	
2/27/1995	16.1	3.60	3.50	2600	0.0	1120.0	1.30	5.00	91.00	1569				2112	
3/30/1995	18.7	3.60	3.40	2600	0.0	920.0	1.40	4.90	111.00	1698				2452	
4/27/1995	13.4	3.60	3.40	2200	0.0	940.0	1.30	5.80	122.00	1671				2452	
5/31/1995	13.3	3.50	3.40	2200	0.0	920.0	1.30	4.80	107.00	1724				2766	
6/21/1995	12.9	3.50	3.40	2400	0.0	990.0	1.30	5.80	88.00	1725				3022	
7/25/1995	13.1	3.50	3.60	2200	0.0	1050.0	1.20	5.30	92.00	2079				1594	
8/28/1995	9.9	3.30	3.50	2600	0.0	1300.0	1.50	5.70	113.00	2133				3364	
9/20/1995	7.1	3.50	3.20	2600	0.0	1210.0	1.30	5.70	125.00	2105				2970	
10/24/1995	Flooded						Flooded								
11/22/1995	Flooded						Flooded								
12/21/1995	Flooded						Flooded								
1/29/1996	Flooded						Flooded								
2/9/1996	Flooded						Flooded								
3/14/1996	11.0	3.30	3.30	2400	0.0	1400.0	1.50	8.20	210.00	1997				3268	
4/22/1996	11.2	3.70	3.30	2200	0.0	1300.0	1.60	6.60	246.00	1811				2956	
5/20/1996	Flooded						Flooded								
6/21/1996	13.5	4.10	3.30	2200	0.0	1050.0	1.20	8.40	131.00	1849				2576	
7/31/1996	13.2	3.00	3.20	2400	0.0	730.0	1.30	7.40	170.00	1812				3258	
8/26/1996	9.3	3.30	3.30	2200	0.0	800.0	1.40	7.00	168.00	1936				3672	
9/30/1996	15.4	3.20	3.40	2400	0.0	840.0	1.30	7.00	199.00	2040				3218	
10/25/1996	18.0	3.10	3.30	2400	0.0	650.0	1.00	6.20	145.00	1686				2166	
11/22/1996	22.1	2.90	3.30	2200	0.0	600.0	1.10	6.20	120.00	1707				2358	
12/18/1996	25.0	3.00	2.50	2200	0.0	130.0	1.30	5.90	117.00	1609				1934	
1/16/1997	18.8	3.10	3.40	2400	0.0	700.0	1.10	6.00	141.00	1613				2156	
2/24/1997	16.6	3.20	3.40	2200	0.0	700.0	1.40	7.90	124.00	1658				2428	
3/12/1997	24.5	3.10	3.30	2400	0.0	770.0	1.60	6.00	105.00	1621				2442	
4/16/1997	18.9	2.70	3.40	2400	0.0	1600.0	1.10	5.30	124.00	1685				2410	
5/28/1997	13.8	3.10	3.40	2400	0.0	970.0	1.20	7.50	146.00	1786				2936	
6/16/1997	16.6	2.80	3.40	2200	0.0	900.0	1.10	9.70	148.00	1749				3236	
7/25/1997	6.4	3.20	3.10	2000	0.0	900.0	0.90	7.50	197.00	1546				2524	
8/22/1997	7.1	3.20	3.50	2000	0.0	300.0	0.80	7.30	119.00	1351				2310	
9/25/1997	4.4	3.50	3.50	2000	0.0	690.0	0.70	5.30	97.00	1519				2154	
10/29/1997	3.6	3.30	3.30	2000	0.0	610.0	0.70	5.30	92.00	1339				1760	
11/21/1997	12.7	3.30	3.60	2400	0.0	1300.0	1.00	6.70	97.00	2061				3188	
12/18/1997	13.3	3.70	3.20	2400	0.0	1110.0	1.40	5.80	92.00	1799				2498	
1/19/1998	15.8	3.70	3.60	2400	0.0	1120.0	1.40	5.60	98.00	1779				2682	
2/23/1998	14.9	3.70	3.50	2400	0.0	990.0	1.80	5.60	115.00	1677				2342	
3/26/1998	18.8	3.70	3.40	2600	0.0	1510.0	2.30	7.70	130.00	2457				3504	

Bold Italic= less than detection limits

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Date	Flow (GPM) or Static Water Elevation (ft)	Field pH (Standard Units)	Lab pH (Standard Units)	Specific Conductivity (umhos/cm)	Alkalinity (mg/L)	Acidity (mg/L)	Iron (mg/L)	Mn (mg/L)	Al (mg/L)	SO4 (mg/L)	Chloride (mg/L)	Sodium (mg/L)	Potassium (mg/L)	TDS (mg/L)	TSS (mg/L)
4/29/1998	16.4	3.70	3.40	2200	0.0	1140.0	1.90	5.90	93.00	1916				2516	
5/28/1998	14.3	4.10	3.30	2400	0.0	1130.0	2.00	6.60	87.00	2077				2788	
6/16/1998	6.8	4.70	3.40	2800	0.0	1550.0	2.70	7.80	205.00	2457				4040	
7/24/1998	4.4	4.30	3.30	2600	0.0	1100.0	1.00	7.40	131.00	1984				3160	
8/31/1998	1.8	3.30	3.40	2400	0.0	800.0	0.90	8.60	107.00	2231				3078	
9/21/1998	2.3	3.30	3.40	1800	0.0	1050.0	0.80	8.10	114.00	2018				2524	
10/21/1998	4.6	3.50	3.40	2200	0.0	922.0	0.60	6.70	115.00	1963				2794	
11/18/1998	0.0						Flooded								
12/16/1998	0.0						Flooded								
1/13/1999	0.0						Flooded								
2/10/1999	0.0						Flooded								
3/17/1999	10.8	3.30	3.50	2000	0.0	830.0	0.50	5.70	100.00	1838				2170	
4/14/1999	21.0	3.40	3.40	2000	0.0	800.0	0.50	5.80	43.00	1552				1918	
5/26/1999	11.0	3.40	3.40	1800	0.0	790.0	0.60	5.60	74.00	1492				2018	
6/22/1999	4.2	3.30	3.50	2400	0.0	890.0	0.60	6.40	107.00	1640				2582	
7/14/1999	1.8	3.50	3.60	2212	0.0	650.0	0.60	8.10	124.00	2212				3392	
8/11/1999	0.5	3.40	3.60	570	0.0	500.0	0.60	9.10	108.00	1656				3070	
9/22/1999	0.4	3.40	3.70	480	0.0	64.0	0.50	8.00	135.00	1518				2114	
10/27/1999	1.1	3.50	3.40	1800	0.0	82.0	0.50	8.00	7.00	6148				2316	
11/17/1999	0.8	3.50	3.60	2000	0.0	990.0	0.40	8.40	81.00	1535				2832	
12/15/1999	3.1	3.50	3.60	1900	0.0	510.0	0.50	7.60	93.00	1497				3148	
1/27/2000	3.6	3.50	3.70	1600	0.0	1140.0	0.40	7.10	72.00	1306				1766	
2/16/2000	2.5	3.50	3.60	1600	0.0	430.0	0.30	7.30	81.00	1376				2300	
3/15/2000	14.4	2.40	3.70	2000	0.0	730.0	0.50	8.50	122.00	1521				2194	70.0
4/19/2000	15.4	3.40	3.70	1400	0.0	600.0	0.40	6.90	81.00	1194				1550	28.0
5/17/2000	12.9	3.50	3.60	1400	0.0	600.0	0.40	6.50	44.00	1172				2918	
6/14/2000	12.4	3.50	2.90	2800	0.0	570.0	0.40	7.00	57.00	1268				1726	
7/31/2000	4.3	3.60	3.60	1800	0.0	600.0	0.40	8.00	76.00	1389				1812	
8/30/2000	4.6	3.60	4.80	1800	0.0	680.0	0.50	7.90	82.00	1525				2132	
9/29/2000	2.7	3.60	3.70	2600	0.0	950.0	0.50	8.70	133.00	1804				2364	
10/25/2000	3.4	3.60	3.50	2600	0.0	700.0	0.50	8.40	110.00	1695				2448	
11/15/2000	3.6	3.50	3.50	2220	0.0	700.0	0.40	7.80	50.00	1494				2102	
12/13/2000	4.4	3.60	3.60	2120	0.0	580.0	0.50	7.40	74.00	1281				1920	
1/17/2001	4.9	3.50	3.60	2020	0.0	500.0	0.40	6.90	56.00	1194				1810	
2/8/2001	6.9	3.40	3.40	1983	0.0	500.0	0.40	7.00	60.00	1148				1838	
3/14/2001	Flooded						Flooded								
4/11/2001	Flooded						Flooded								
5/17/2001	12.7	3.30	3.50	2180	0.0	700.0	0.60	6.30	79.00	1576				1930	
6/11/2001	7.4	3.40	3.60	2000	0.0	700.0	0.60	7.40	100.00	1414				1624	
7/11/2001	6.8	3.50	3.20	2180	0.0	600.0	0.50	8.00	82.00	1473				2054	
8/8/2001	4.0	3.50	3.50	2190	0.0	700.0	0.50	8.00	97.00	1450				2072	
9/13/2001	2.3	3.50	3.70	2140	0.0	400.0	0.50	8.20	88.00	1441				2058	
10/10/2001	1.0	3.50	3.60	2120	0.0	600.0	0.40	7.60	84.00	1398				2848	
11/6/2001	0.3	3.50	4.00	2130	13.0	462.0	0.40	8.50	86.00	1411				2042	
12/5/2001	1.0	3.60	3.70	2090	0.0	90.0	0.40	8.70	86.00	1330				1928	

Bold Italic= less than detection limits

Date	Flow (GPM) or Static Water Elevation (ft)	Field pH (Standard Units)	Lab pH (Standard Units)	Specific Conductivity (umhos/cm)	Alkalinity (mg/L)	Acidity (mg/L)	Iron (mg/L)	Mn (mg/L)	Al (mg/L)	SO4 (mg/L)	Chloride (mg/L)	Sodium (mg/L)	Potassium (mg/L)	TDS (mg/L)	TSS (mg/L)
1/10/2002	5.3	3.50	3.60	1906	0.0	373.0	0.40	6.80	60.00	1038				4084	
2/6/2002	6.9	3.50	3.70	1766	0.0	333.0	0.40	6.00	50.00	968				1492	
3/8/2002	12.7	3.50	3.80	1834	0.0	284.0	0.30	5.90	41.00	1030				1512	
4/2/2002	14.3	3.50	4.30	1845	0.0	280.0	0.30	6.10	40.00	970				1804	
5/10/2002	18.4	3.50	3.70	1805	0.0	310.0	0.30	5.40	42.00	983				1574	
6/3/2002	22.4	3.50	3.60	1917	0.0	430.0	0.30	5.40	65.00	1134				1668	
7/3/2002	17.8	3.60	3.70	1913	0.0	500.0	0.40	4.90	59.00	1091				1626	
8/6/2002	6.9	3.60	3.70	2010	0.0	500.0	0.30	5.80	48.00	1157				1788	
9/3/2002	3.9	3.50	3.80	2150	2.0	300.0	0.30	7.10	51.00	1238				1762	
10/4/2002	2.5	3.70	3.80	2170	2.0	188.0	0.20	7.70	63.00	1290				1976	
11/6/2002	0.0						Flooded								
12/10/2002	9.7	3.60	3.50	2030	15.0	400.0	0.30	6.30	52.00	107				1790	
1/10/2003	21.7	3.60	3.70	1953	15.0	400.0	0.20	5.40	44.00	1044				1668	
2/6/2003	16.3	3.60	3.40	2090	14.0	400.0	0.30	4.70	44.00	1239				1652	
3/7/2003	16.3	3.60	3.80	1896	2.0	1760.0	0.30	5.40	44.00	1086				2090	
4/2/2003	25.3	3.70	3.70	2120	0.0	300.0	0.30	5.20	48.00	6925				9532	
5/7/2003	17.7	3.70	3.70	2090	0.0	400.0	0.40	4.40	40.00	1157				1768	
6/10/2003	21.8	3.70	3.60	2090	0.0	432.0	0.30	5.50	49.00	1171				2050	
6/10/2003			3.70	2090	0.0	350.2	0.24	5.09	51.90	1159	98.00	55.30	37.80	2400	4.0

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Date	Flow (GPM) or Static Water Elevation (ft)	Field pH (Standard Units)	Lab pH (Standard Units)	Specific Conductivity (umhos/cm)	Alkalinity (mg/L)	Acidity (mg/L)	Iron (mg/L)	Mn (mg/L)	Al (mg/L)	SO4 (mg/L)	TDS (mg/L)	TSS (mg/L)
07/31/90	3.6	3.20	3.20	2000	0.0	1700.0	3.61	10.80	362.30	2488	3737	
08/28/90	2.1	3.20	3.20	2200	0.0	2070.0	3.73	11.80	265.80	2795	3984	
09/26/90	2.9	3.20	3.10	2200	0.0	1880.0	4.00	12.00	236.00	2627	4398	
10/25/90	2.8	3.30	3.20	2200	0.0	2090.0	6.14	10.10	323.50	2795	4092	
11/20/90	3.0	3.20	3.10	2000	0.0	1590.0	3.64	10.90	275.90	2495	3489	
12/20/90	3.4	3.40	3.30	1800	0.0	1560.0	2.66	9.07	226.70	2133	3246	
01/15/91	2.6	3.10	3.10	2400	0.0	2210.0	3.35	8.28	204.80	2775	3694	
02/22/91	6.4	3.60	3.10	1200	0.0	1600.0	2.93	6.54	222.20	2156	3044	
03/25/91	9.0	3.40	3.20	1800	0.0	1550.0	2.44	5.45	192.30	2156	2974	
04/18/91	6.7	3.10	3.00	2200	0.0	1670.0	2.96	7.15	209.90	2184	3060	
05/14/91	4.0	3.20	3.20	2600	0.0	1800.0	3.56	8.32	158.50	2515	3476	
06/17/91	2.1	3.00	3.10	2400	0.0	2400.0	6.46	11.10	253.20	2903	5408	
07/24/91	1.0	3.10	3.10	3400	0.0	2280.0	3.58	12.10	315.20	3058	5027	10.0
08/23/91	0.5	3.10	3.10	2600	0.0	1680.0	2.62	8.77	253.00	2236	3970	
09/27/91	0.7	3.10	3.10	18	0.0	760.0	2.53	9.72	98.60	1098	1922	
10/29/91	0.0											
11/27/91	0.0											
12/12/91	0.6	3.40	3.40	2000	0.0	840.0	2.42	11.50	88.50	1386	1850	28.0
01/23/92	2.3	3.00	3.10	2000	0.0	1380.0	3.19	8.85	161.00	1948	2624	
02/11/92	2.0	3.10	3.20	2200	0.0	1500.0	3.21	9.69	146.00	1966	2980	
03/25/92	3.7	3.20	3.20	2400	0.0	1410.0	2.92	6.54	130.00	2156	3172	
04/29/92	3.0	3.30	3.30	2200	0.0	1530.0	2.44	7.15	130.00	2099	2990	10.0
05/20/92	3.2	3.20	3.40	2200	0.0	1530.0	2.79	6.62	141.00	1970	3180	
06/18/92	1.6	3.00	3.10	2400	0.0	2040.0	2.43	7.79	165.00	2371	3468	30.0
07/29/92	1.3	3.20	3.20	2200	0.0	1000.0	3.15	8.09	113.00	1509	2406	
08/24/92	1.2	3.20	3.20	2200	0.0	1100.0	2.66	8.53	112.00	2577	3484	
09/22/92	0.9	3.30	3.20	2000	0.0	1310.0	2.36	7.01	116.00	1735	2834	
10/21/92	1.1	3.30	3.20	2200	0.0	1470.0	2.84	7.24	141.00	2286	3090	4.0
11/20/92	0.7	3.50	3.10	1800	0.0	1060.0	3.05	5.79	117.00	1568	2158	
12/21/92	1.3	3.00	2.80	2000	0.0	940.0	2.44	6.16	97.00	1993	2118	
01/18/93	6.2	3.20	3.20	2400	0.0	2080.0	3.48	6.11	184.00	3017	3594	
02/25/93	2.5	3.60	3.20	2200	0.0	1380.0	3.36	6.66	121.00	2272	3302	
03/24/93	Flooded											
04/21/93	Flooded											
05/21/93	5.6	3.40	3.30	1200	0.0	1310.0	3.17	4.25	140.00	1877	2898	
06/28/93	3.0	3.40	3.40	2000	0.0	1840.0	3.94	10.10	119.00	2472	3436	
7/29/1993	1.7	3.10	3.20	2000	0.0	1550.0	3.88	7.30	150.00	2204	3588	
8/18/1993	1.5	3.50	3.20	1400	0.0	1410.0	3.89	9.10	137.00	2182	3186	
9/30/1993	1.4	3.90	3.30	1400	0.0	770.0	2.34	4.10	59.00	1328	1568	
10/27/1993	1.4	3.30	3.30	1600	0.0	1320.0	3.78	8.00	121.00	2252	3116	
11/15/1993	1.3	3.50	3.20	1400	0.0	1260.0	3.04	7.30	128.00	1896	2666	
12/15/1993	5.3	3.60	3.20	1440	0.0	1440.0	3.13	5.40	122.00	2124	3168	
1/26/1994	2.3	3.80	3.30	1600	0.0	1440.0	3.24	6.10	107.00	2169	3246	
2/28/1994	2.1	3.50	3.30	1400	0.0	1080.0	3.41	5.40	88.00	1597	2326	
3/30/1994	2.2	3.30	3.30	1800	0.0	1630.0	3.43	6.70	144.00	2504	3324	
4/26/1994	7.1	3.50	3.10	1800	0.0	1330.0	3.69	4.70	122.00	2281	3326	
5/31/1994	1.0	3.50	3.20	1400	0.0	1400.0	4.04	5.60	112.00	2320	3118	
6/22/1994	1.7	3.50	3.10	1600	0.0	1240.0	4.11	6.50	99.00	2235	3692	
10/31/1994	0.6	3.30	3.20	2400	0.0	980.0	2.93	5.30	96.00	1988	2272	
11/22/1994	0.7	3.40	3.50	2000	0.0	700.0	2.42	5.80	81.00	1306	1768	
12/27/1994	2.7	3.40	3.50	2400	0.0	900.0	3.02	5.50	100.00	1631	2228	
1/31/1995	Flooded											
2/27/1995	2.3	3.60	3.40	2200	0.0	840.0	2.63	5.17	70.00	1342	1862	
3/30/1995	2.5	3.60	3.30	2400	0.0	820.0	2.77	5.64	81.00	1439	2300	
4/27/1995	1.7	3.60	3.30	2200	0.0	750.0	2.79	5.60	97.00	1480	2148	
5/31/1995	1.8	3.40	3.30	2000	0.0	710.0	2.77	4.73	80.00	1432	2604	
6/21/1995	1.6	3.40	3.30	2400	0.0	820.0	2.62	5.00	64.00	1414	2614	
7/25/1995	1.6	3.30	3.40	2000	0.0	680.0	2.98	5.39	72.00	1862	1242	
8/28/1995	0.9	3.30	3.30	2400	0.0	1040.0	2.48	5.82	104.00	1872	3362	
9/20/1995	0.4	3.40	3.10	2400	0.0	970.0	1.56	5.53	98.00	1766	2478	
10/24/1995	0.8	3.30	3.20	2200	0.0	960.0	2.75	4.90	96.00	1977	2175	
11/22/1995	1.4	3.40	3.40	2400	0.0	800.0	2.62	5.10	85.00	1426	1780	
12/21/1995	2.4	3.70	3.10	2000	0.0	1030.0	2.77	5.20	100.00	1781	2590	

Bold Italic= less than detection limits

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Date	Flow (GPM) or Static Water Elevation (ft)	Field pH (Standard Units)	Lab pH (Standard Units)	Specific Conductivity (umhos/cm)	Alkalinity (mg/L)	Acidity (mg/L)	Iron (mg/L)	Mn (mg/L)	Al (mg/L)	SO4 (mg/L)	TDS (mg/L)	TSS (mg/L)
1/29/1996	1.1	3.80	3.30	2200	0.0	890.0	2.56	7.50	135.00	1506	2418	
2/9/1996	1.3	3.50	3.40	2000	0.0	900.0	2.30	11.50	160.00	1502	2188	
3/14/1996	6.0	3.60	3.20	2200	0.0	1080.0	2.21	8.10	162.00	1613	2746	
4/22/1996	2.7	3.70	3.20	2200	0.0	1050.0	2.55	6.80	184.00	1562	2814	
5/20/1996	2.2	3.90	3.30	2200	0.0	680.0	2.26	7.60	49.00	1524	2142	
6/21/1996	1.8	4.00	3.20	2000	0.0	760.0	2.41	8.40	97.00	1527	2122	
7/31/1996	1.7	3.10	3.10	2200	0.0	580.0	2.55	7.60	117.00	1491	2498	
8/26/1996	1.0	3.00	3.20	2000	0.0	900.0	2.96	7.10	121.00	1854	2404	
9/30/1996	2.0	3.10	3.30	2200	0.0	600.0	2.50	6.55	129.00	1597	2430	
10/25/1996	2.2	3.00	3.20	2200	0.0	450.0	2.23	5.90	91.00	1330	1798	
11/22/1996	3.2	3.00	3.30	2000	0.0	480.0	2.23	5.80	87.00	1370	1986	
12/18/1996	5.3	2.90	2.30	2000	0.0	600.0	2.32	5.80	97.00	1355	1544	
1/16/1997	2.9	3.10	3.30	2200	0.0	700.0	2.43	6.70	165.00	1496	2216	
2/24/1997	2.4	3.00	3.30	2000	0.0	430.0	2.76	7.90	75.00	1158	1834	
3/12/1997	4.6	3.10	3.20	2000	0.0	600.0	2.75	5.40	88.00	1335	1808	
4/16/1997	2.8	2.70	3.30	2200	0.0	1000.0	2.14	5.60	92.00	1400	2064	
5/28/1997	1.6	3.10	3.30	2200	0.0	710.0	2.30	9.70	110.00	1486	2116	
6/16/1997	2.1	2.70	3.30	2000	0.0	300.0	2.27	9.10	104.00	1437	2540	2.0
7/25/1997	0.6	3.00	3.00	2000	0.0	200.0	2.14	8.30	131.00	1343	1920	
8/22/1997	0.7	3.00	3.40	1800	0.0	490.0	1.59	6.20	79.00	949	1598	
9/25/1997	0.2	3.40	3.30	2000	0.0	590.0	2.63	5.00	74.00	1288	1330	6.0
10/29/1997	0.1	3.30	3.20	1600	0.0	430.0	2.00	4.60	52.00	868	1216	
11/21/1997	Flooded											
12/18/1997	0.1	3.50	3.40	2400	0.0	950.0	11.50	8.10	76.00	1735	2670	
1/19/1998	0.0											
2/23/1998	0.0											
3/26/1998	0.0											
4/29/1998	0.0											
5/28/1998	0.0											
6/16/1998	0.0											
7/24/1998	0.0											
8/31/1998	0.0											
9/21/1998	0.0											
10/21/1998	0.0											
11/18/1998	0.0											
12/16/1998	0.0											
1/13/1999	0.0											
2/10/1999	0.0											
3/17/1999	0.0											
4/14/1999	0.0											
5/26/1999	0.0											
6/22/1999	0.0											
7/14/1999	0.0											
8/11/1999	0.0											
9/22/1999	0.0											
10/27/1999	0.0											
11/17/1999	0.0											
12/15/1999	0.0											
1/27/2000	0.0											
2/16/2000	0.0											
3/15/2000	0.0											
4/19/2000	0.0											
5/17/2000	0.0											
6/14/2000	0.0											
7/31/2000	0.0											
8/30/2000	0.0											
9/29/2000	0.0											
10/25/2000	0.0											
11/15/2000	0.0											
12/13/2000	0.0											
1/17/2001	0.0											
2/8/2001	0.0											
3/14/2001	0.0											

Bold Italic= less than detection limits

Date	Flow (GPM) or Static Water Elevation (ft)	Field pH (Standard Units)	Lab pH (Standard Units)	Specific Conductivity (umhos/cm)	Alkalinity (mg/L)	Acidity (mg/L)	Iron (mg/L)	Mn (mg/L)	Al (mg/L)	SO4 (mg/L)	TDS (mg/L)	TSS (mg/L)
4/11/2001	0.0											
5/17/2001	0.0											
6/11/2001	0.0											
7/11/2001	0.0											
8/8/2001	0.0											
9/13/2001	0.0											
10/10/2001	0.0											
11/6/2001	0.0											
12/5/2001	0.0											
1/10/2002	0.0											
2/6/2002	0.0											
3/8/2002	0.0											
4/2/2002	0.0											
5/10/2002	0.0											
6/3/2002	0.0											
7/3/2002	0.0											
8/6/2002	0.0											
9/3/2002	0.0											
10/4/2002	0.0											
11/6/2002	0.0											
12/10/2002	0.0											
1/10/2003	0.0											
2/6/2003	0.0											
3/7/2003	0.0											
4/2/2003	0.0											
5/7/2003	0.0											

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Date	Flow (GPM) or Static Water Elevation (ft)	Field pH (Standard Units)	Lab pH (Standard Units)	Specific Conductivity (umhos/cm)	Alkalinity (mg/L)	Acidity (mg/L)	Iron (mg/L)	Mn (mg/L)	SO4 (mg/L)	Fluoride (mg/L)	Chloride (mg/L)	Sodium (mg/L)	Potassium (mg/L)	TDS (mg/L)	TSS (mg/L)	Ammonia Nitrogen (mg/L)	Nitrate Nitrogen (mg/L)
09/21/88		4.20	4.10	1400	9.0	127.0	269.00	22.00	1111					1895	15.0		
12/06/88		4.60	4.40	1200	18.0	148.0	210.00	15.00	1148					1873	11.6		
03/29/89		4.21	4.00	1400	8.0	165.0	249.00	15.10	1091					1610	26.0		
06/02/89		5.31	3.20	1400	0.0	600.0	164.00	14.30	1082					2346	268.0		
09/21/89		4.60	4.10	1400	10.0	570.0	235.00	18.60	1053					1600	152.0		
12/21/89		4.20	3.60	1200	0.0	570.0	183.00	19.80	976					1590	14.4		
03/21/90		4.40	4.10	1200	10.0	560.0	206.00	19.00	902					1454	42.8		
09/26/90	1907.0	4.20	4.30	1200	14.0	520.0	211.40	15.90	888					1756	86.0		
12/20/90	1907.0	4.30	3.90	1000	6.0	494.0	393.90	42.40	866	1.00	8.10	8.33	4.89	1300	16.0		0.10
03/25/91	1909.0	4.20	4.20	920	12.0	488.0	174.00	13.20	869					1326	60.0		
06/17/91	1905.0	4.30	4.30	1200	12.0	468.0	150.30	28.10	838	1.00	8.80	7.84	6.05	1360	354.0		0.10
09/27/91	1903.0	4.40	4.40	1800	8.0	400.0	161.10	16.90	867					1464			
12/12/91	1903.0	3.20	3.20	2000	0.0	470.0	134.50	13.60	882	0.92	4.80	7.12	4.90	1442	154.0		0.10
03/25/92	1904.0	4.50	4.10	1400	4.0	436.0	164.60	7.60	800					1100	134.0		
06/18/92	1903.0	3.30	3.30	1600	0.0	410.0	65.70	11.00	788	2.00	2.50	9.60	7.25	1316			3.50
09/22/92	1906.0	4.70	3.90	1400	0.0	480.0	99.00	11.70	785					1312	14.0		
12/21/92	1906.0	3.60	3.60	1400	0.0	420.0	93.80	10.20	853	1.10	3.00	7.48	6.80	1192			0.10
03/24/93	1908.0	4.50	3.90	1400	6.0	424.0	164.10	9.27	735					1034			
06/28/93	1909.0	4.70	4.20	1200	12.0	364.0	117.60	13.70	772	1.60	0.24	7.38	6.90	1164	50.0		0.10
09/30/93	1907.0	5.40	3.20	1200	0.0	390.0	69.20	7.60	696					1086			
12/15/93	1910.0	4.80	3.00	620	0.0	366.0	158.00	7.20	593	2.20	8.40	8.35	6.98	1054		1.00	0.10
03/30/94	1908.0	4.70	4.10	700	8.0	322.0	214.00	8.40	658					956			
06/24/94	1908.0	4.60	4.10	620	6.0	344.0	140.00	8.20	640	2.00	3.00	6.36	6.41	956			8.40
09/28/94	1909.0	4.80	4.30	460	8.0	302.0	89.00	9.80	603					918	8.0		
12/27/94	1908.0	4.70	4.40	1600	18.0	414.0	66.00	7.40	578	2.00	3.40	6.78	6.13	786			2.50
03/30/95	1908.0	4.60	4.20	1400	18.0	260.0	72.00	7.50	508					752			
06/21/95	1909.0	4.40	4.00	1200	6.0	54.0	77.00	5.60	481	0.72	8.30	6.99	6.40	858	0.8	3.36	10.00
09/21/95	1908.0	4.80	4.20	1200	8.0	252.0	66.00	6.40	464					770	4.0		
12/21/95	1908.0	4.80	3.00	700	0.0	180.0	87.00	5.70	476	0.66	6.60	6.61	7.45	600		3.36	1.90
03/14/96	1908.0	4.60	3.20	1400	0.0	220.0	218.00	9.40	465					564			
06/24/96	1909.0	5.00	4.20	1000	6.0	252.0	80.00	10.00	476	0.74	0.56	5.46	0.50	828		0.10	0.10
09/30/96	1908.0	4.30	4.40	700	10.0	22.0	91.00	7.80	428					560			
12/18/96	1911.0	3.70	3.70	700	0.0	200.0	207.00	7.40	379	0.75	6.00	5.28	4.13	514		1.40	0.10
03/12/97	1911.0	3.60	3.90	700	4.0	366.0	112.00	5.90	359					672			
06/16/97	1910.0	4.00	4.50	660	0.0	1300.0	92.00	8.90	385	0.70	2.70	5.07	3.77	654	126.0	1.14	0.10
09/25/97	1908.0	4.50	4.40	600	12.0	138.0	62.00	5.90	387					570	8.0		
12/18/97	1909.0	4.90	2.70	1400	0.0	160.0	73.00	5.30	347	0.68	9.80	8.10	3.58	512	14.0	2.24	0.10
03/26/98	1911.0	5.90	3.10	760	0.0	510.0	48.00	6.30	381					504	12.0		
06/23/98	1909.0	5.50	3.10	660	0.0	220.0	95.00	5.90	325	0.64	16.00	5.29	3.60	508	14.0	2.24	0.22
09/21/98	1908.0	4.40	3.60	540	0.0	180.0	44.00	6.50	364					158			
12/16/98	1906.0	4.50	4.00	600	8.0	262.0	18.00	6.20	336	0.50	3.70	5.60	3.81	502	4.0	2.24	0.10
03/17/99	1909.0	4.10	3.00	1200	0.0	140.0	23.00	6.50	342					400	42.0		
06/22/99	1908.0	4.20	2.90	1400	0.0	300.0	53.00	6.40	394	0.58	11.00	10.90	3.61	458	32.0	3.36	0.10
09/22/99	1907.0	4.70	3.40	300	0.0	40.0	43.00	6.50	328					432			
12/15/99	1909.0	4.39	3.00	760	0.0	170.0	15.00	5.40	327	0.64	22.00	5.00	3.63	468		1.12	0.10

Bold Italic= less than detection limits

Date	Flow (GPM) or Static Water Elevation (ft)	Field pH (Standard Units)	Lab pH (Standard Units)	Specific Conductivity (umhos/cm)	Alkalinity (mg/L)	Acidity (mg/L)	Iron (mg/L)	Mn (mg/L)	SO4 (mg/L)	Fluoride (mg/L)	Chloride (mg/L)	Sodium (mg/L)	Potassium (mg/L)	TDS (mg/L)	TSS (mg/L)	Ammonia Nitrogen (mg/L)	Nitrate Nitrogen (mg/L)
03/15/00	1909.0	4.33	3.70	600	0.0	170.0	63.00	6.20	278					460			
06/14/00	1910.0	4.76	3.60	680	0.0	150.0	30.90	6.40	293	0.62	3.53	10.70	3.45	602	12.0		<i>0.10</i>
09/29/00	1907.9	4.90	4.50	760	0.0	190.0	71.00	5.90	291					446			
12/13/00	1908.0	4.40	4.50	1112	0.0	160.0	54.00	5.80	279		14.50	15.50	3.53	376			
03/14/01	1908.0	3.23	3.20	735	0.0	170.0	21.50	6.00	240					332			
06/11/01	1910.0	3.50	2.90	853	0.0	100.0	3.72	6.70	241					388			
09/13/01	1908.0	3.82	3.70	815	0.0	230.0	53.00	6.10	292					422			
11/06/01	1907.0	4.74	4.20	809	10.0	68.7	49.00	6.30	109		22.50	11.80	3.28	142			
03/08/02	1909.0	3.65	3.30	874	0.0	97.3	6.10	5.90	247					376			
06/17/02	1911.0	4.50	3.50	789	0.0	70.0	69.00	6.50	257					392			
09/03/02	1908.3	4.80	3.00	1048	0.0	200.0	20.60	6.80	286					244			
11/06/02	1907.8	5.00	2.70	933	0.0	130.0	23.30	6.10	284		19.90	5.25	3.43	484			
03/07/03	1908.9	3.70	4.00	743	4.0	106.0	12.70	5.90	239					320			
6/10/2003	1911.0	3.60	3.00	729	0.0	600.0	82.00	7.20	296					270			
6/10/2003			3.30	720	0.0	110.2	77.80	6.97	219		23.40	5.90	2.92	1690	68.0		

Appendix 5.B
Ebensburg Power Company
Revloc Site

Date	Dissolved Al (mg/L)	Total Al (mg/L)	Dissolved As (mg/L)	Total As (mg/L)	Dissolved Ba (mg/L)	Total Ba (mg/L)	Dissolved Cd (mg/L)	Total Cd (mg/L)	Dissolved Ca (mg/L)	Total Ca (mg/L)	Dissolved Cr (mg/L)	Total Cr (mg/L)	Dissolved Cu (mg/L)	Total Cu (mg/L)	Dissolved Pb (mg/L)	Total Pb (mg/L)	Dissolved Mg (mg/L)	Total Mg (mg/L)	Dissolved Hg (mg/L)	Total Hg (mg/L)	Dissolved Ni (mg/L)	Total Ni (mg/L)	Dissolved Se (mg/L)	Total Se (mg/L)	Dissolved Ag (mg/L)	Total Ag (mg/L)	Dissolved Zn (mg/L)	Total Zn (mg/L)	
09/21/88		1.00																											
12/06/88		6.70																											
03/29/89		1.30																											
06/02/89		2.80																											
09/21/89		2.20																											
12/21/89		1.00																											
03/21/90		1.00																											
09/26/90		1.23																											
12/20/90		1.00		0.0088		0.200		0.0500		3.64		0.1000		0.060		0.1000		0.83		0.0023				0.0020		0.060		0.060	
03/25/91		1.00																											
06/17/91		1.00		0.0020		0.200		0.0500		2.13		0.1000		0.040		0.1000		6.19		0.0005				0.0020		0.060		0.040	
12/12/91		1.00		0.0087		0.200		0.0500		0.99		0.1000		0.080		0.1400		4.81		0.0005				0.0020		0.100		0.060	
06/18/92		1.00		0.0088		0.200		0.0500		4.37		0.1000		0.040		0.1000		3.95		0.0005				0.0049		0.100		0.040	
09/22/92		1.00																											
12/21/92		10.20		0.0032		0.200		0.0500		5.78		0.1000		0.040		0.1000		5.13		0.0005				0.0186		0.060		0.120	
03/24/93		1.00																											
06/28/93		1.88		0.0215		0.200		0.0500		3.66		0.1000		0.040		0.2300		4.40		0.0005				0.0097		0.060		0.080	
09/30/93		3.10																											
12/15/93		1.12		0.0137		0.200		0.0500		4.94		0.1000		0.040		0.1000		4.41		0.0005				0.0220		0.060		0.100	
03/30/94		1.00																											
06/22/94		1.00		0.0029		0.200		0.0500		4.14		0.1000		0.040		0.1000		4.40		0.0005				0.0026		0.060		0.110	
09/28/94		2.61																											
12/27/94		1.17		0.0049		0.200		0.0500		5.17		0.1000		0.040		0.1000		4.81		0.0005				0.0020		0.060		0.050	
03/30/95		1.01																											
06/21/95		1.30		0.0073		0.200		0.0500		3.80		0.1000		0.040		0.1000		4.75		0.0005				0.0055		0.060		0.110	
09/21/95		1.98																											
12/21/95		1.00		0.0074		0.200		0.0500		5.26		0.1000		0.040		0.1000		3.19		0.0005				0.0020		0.060		0.080	
03/14/96		1.00																											
06/24/96		1.00		0.0010		0.200		0.0500		5.40		0.1000		0.040		0.1000		7.80		0.0005				0.0010		0.100		0.030	
09/30/96		1.00																											
12/18/96		1.00		0.0020		0.200		0.0500		4.74		0.1000		0.040		0.1500		6.85		0.0005				0.0020		0.060		0.070	
03/12/97		1.00																											
06/16/97		1.00		0.0020		0.200		0.0500		5.30		0.1000		0.040		0.1000		8.60		0.0005				0.0020		0.060		0.060	
09/25/97		1.00																											
12/18/97		1.00		0.0020		0.200		0.0500		3.90		0.1000		0.040		0.1400		7.10		0.0005				0.0020		0.060		0.060	
03/26/98		1.00																											
06/23/98		1.00		0.0020		0.200		0.0500		3.50		0.1000		0.040		0.1000		6.20		0.0005				0.0020		0.060		0.030	
09/21/98		2.00																											
03/17/99		1.00																											
06/22/99		1.00		0.0020		0.200		0.0500		4.10		0.1000		0.040		0.1000		7.00		0.0005				0.0030		0.100		0.100	
09/22/99		7.00																											
12/15/99		6.00		0.0048		0.200		0.0500		2.99		0.1000		0.040		0.1000		108.00		0.0005				0.0081		0.100		0.030	
03/15/00		4.00																											
06/14/00		1.00		0.0020				0.0500		7.00		0.1000		0.040		0.1000		8.00		0.0005				0.0020				0.700	
09/29/00		1.00																											
12/13/00		1.00		0.0020				0.0500		6.00		0.1000		0.040		0.1000		8.00		0.0005		0.100		0.0080				0.030	
03/14/01		1.00																											
06/11/01		1.00																											
09/13/01		1.00																											
11/06/01		2.00		0.0100				0.0500		5.00		0.1000		0.040		0.1000		5.00		0.0005		0.100		0.0000				0.060	
03/08/02		1.00																											
06/17/02		1.00																											
09/03/02		1.00																											
11/06/02		1.00		0.0100				0.0500		0.05		0.1000		0.040		0.1000		8.00		0.0005		0.120		0.0000				0.030	

Bold Italic= less than detection limits

Date	Dissolved Al (mg/L)	Total Al (mg/L)	Dissolved As (mg/L)	Total As (mg/L)	Dissolved Ba (mg/L)	Total Ba (mg/L)	Dissolved Cd (mg/L)	Total Cd (mg/L)	Dissolved Ca (mg/L)	Total Ca (mg/L)	Dissolved Cr (mg/L)	Total Cr (mg/L)	Dissolved Cu (mg/L)	Total Cu (mg/L)	Dissolved Pb (mg/L)	Total Pb (mg/L)	Dissolved Mg (mg/L)	Total Mg (mg/L)	Dissolved Hg (mg/L)	Total Hg (mg/L)	Dissolved Ni (mg/L)	Total Ni (mg/L)	Dissolved Se (mg/L)	Total Se (mg/L)	Dissolved Ag (mg/L)	Total Ag (mg/L)	Dissolved Zn (mg/L)	Total Zn (mg/L)
03/07/03		1.00																										
06/10/03		1.00																										
06/10/03		0.97		<i>0.0040</i>				<i>0.0100</i>		4.63		<i>0.0500</i>		<i>0.010</i>		0.0013		8.54		<i>0.0010</i>		0.069		<i>0.0070</i>			0.095	

Appendix 5.B
Ebensburg Power Company
Revloc Site

MW-3
Inorganics
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Date	Flow (GPM) or Static Water Elevation (ft)	Field pH (Standard Units)	Lab pH (Standard Units)	Specific Conductivity (umhos/cm)	Alkalinity (mg/L)	Acidity (mg/L)	Iron (mg/L)	Mn (mg/L)	SO4 (mg/L)	Fluoride (mg/L)	Chloride (mg/L)	Sodium (mg/L)	Potassium (mg/L)	TDS (mg/L)	TSS (mg/L)	Ammonia Nitrogen (mg/L)	Nitrate Nitrogen (mg/L)	Bicarbonate (mg/L)	Turbidity (NTU)	Chemical Oxygen Demand (mg/L)
06/14/88		4.95	4.50	1100	0.0	200.0	6.41	3.00	342					515	474.0					
09/21/88		7.20	3.30	380	0.0	40.0	15.90	4.70	165					266	39.0					
12/06/88		5.40	4.60	200	1.0	21.0	6.30	1.26	105					143	57.0					
03/29/89		5.29	5.00	480	4.0	76.0	27.20	3.93	252					336	12.0					
06/02/89		4.33	3.00	820	0.0	210.0	57.00	8.39	458					762	15.6					
09/21/89		5.70	6.10	100	10.0	0.0	1.19	0.59	43					62	6.0					
12/21/89		5.10	6.10	120	8.0	0.0	0.17	0.72	49					94	4.8					
03/21/90		5.30	5.90	100	10.0	4.0	3.46	0.69	41					80	222.0					
09/26/90	1921.0	5.40	5.50	56	8.0	8.0	2.16	0.41	22					60	89.6					
12/20/90	1921.0	5.70	5.60	64	8.0	8.0	2.60	0.38	9	0.10	2.30	3.67	1.38	88	70.0		0.10			
03/25/91	1925.0	5.50	5.50	54	8.0	6.0	5.56	0.92	51					48	102.0					
06/17/91	1921.0	5.70	5.20	46	4.0	4.0	1.43	0.24	29	0.11	1.70	2.80	0.08	112	110.0		0.50			
09/27/91	1918.0	4.20	4.20	140	6.0	12.0	3.15	0.93	44					102	80.0					
12/12/91	1919.0	5.00	5.00	62	4.0	6.0	1.26	0.28	26	0.10	2.60	2.67	1.52	20	112.0		0.18			
03/25/92	1920.0	5.40	5.20	66	4.0	8.0	3.72	0.37	25					26	325.0					
06/18/92	1918.0	5.40	5.40	66	6.0	2.0	0.61	0.41	19	0.13	1.75	3.61	2.86	80	238.0		0.31			
09/22/92	1920.0	5.60	5.20	120	6.0	0.0	1.04	0.64	26					72	14.0					
12/21/92	1920.0	5.00	4.90	160	4.0	18.0	4.55	3.33	36	0.11	2.40	2.85	2.55	124				0.21		
03/24/93	1923.0	5.70	5.70	140	12.0	2.0	3.02	0.82	93					10	8.0					
06/28/93	1923.0	5.90	5.70	160	8.0	12.0	3.76	0.91	57	0.17	0.38	3.50	2.80	124	52.0		0.10			
09/30/93	1922.0	6.00	6.40	180	4.0	4.0	3.49	1.14	72					152	26.0					
12/15/93	1925.0	5.90	6.20	120	6.0	6.0	3.32	0.64	130	0.19	0.47	4.20	2.81	114	108.0	1.00	0.66			
03/30/94	1923.0	5.60	5.70	140	12.0	0.0	3.33	0.63	63					130	62.0					
06/24/94	1922.0	5.00	5.00	140	2.0	18.0	0.86	0.80	57	0.14	1.70	4.20	3.07	62				8.40		
09/28/94	1923.0	5.10	5.30	120	2.0	14.0	2.67	0.98	63					134	26.0					
12/27/94	1922.0	4.80	4.50	180	0.0	16.0	2.26	1.35	64	0.12	5.00	4.10	2.73	202	20.0		1.00			
03/30/95	1923.0	4.60	4.30	200	12.0	10.0	2.70	1.48	56					122	10.0					
06/21/95	1923.0	3.60	3.50	300	0.0	6.0	1.25	2.41	73	0.10	4.80	4.78	3.20	182	56.0	1.12	5.40			
09/21/95	1923.0	3.90	3.30	380	0.0	50.0	3.05	2.79	105					242	46.0					
12/21/95	1922.0	5.10	5.20	160	2.0	8.0	0.80	2.50	49	0.10	6.40	2.30	3.38	68	2.0	2.24	0.69			
03/14/96	1923.0	5.80	5.50	160	4.0	14.0	0.20	0.80	23											
06/24/96	1921.0	6.00	5.60	64	8.0	0.0	0.40	0.50	43	0.10	0.18	4.44	3.15	14	6.0		0.10			
09/30/96	1922.0	5.80	5.60	100	8.0	8.0	0.60	0.50	25					84	30.0					
12/18/96	1925.0	4.10	5.00	120	2.0	9.0	0.80	0.70	22	0.10	1.80	3.99	1.06	86		2.80	0.10			
03/12/97	1925.0	4.40	5.80	120	8.0	6.0	0.50	0.80	26					58	16.0					
06/16/97	1948.0	4.70	5.60	60	12.0	0.0	1.00	0.40	20	0.10	1.30	4.30	0.83	2	46.0	1.12	0.10			
09/25/97	1923.0	5.60	5.50	64	14.0	0.0	1.70	0.30	30					184	92.0					
12/18/97	1924.0	5.50	6.90	120	6.0	22.0	0.70	0.50	28	0.10	3.30	3.80	0.88	92	30.0	1.12	0.11			
03/26/98	1924.0	5.80	5.50	160	4.0	14.0	1.40	1.00	63					114	28.0					
06/23/98	1923.0	6.00	4.00	164	6.0	32.0	2.10	2.30	86	0.13	0.52	4.81	1.46	164	6.0	1.12	0.13			
09/21/98	1919.0	3.80	3.40	480	0.0	50.0	20.00	6.10	275					490	56.0					
12/16/98										0.15	5.20	7.04	2.66			2.24	0.10			
12/18/98	1918.0	3.60	3.60	760	0.0	220.0	17.80	9.00	437					670	26.0					
03/17/99	1922.0	3.90	3.00	1400	0.0	140.0	12.60	8.80	397					508	122.0					
06/22/99	1921.0	4.20	3.10	1600	0.0	200.0	81.00	13.00	602	0.18	26.00	19.20	2.85	782	94.0	1.12	0.25			

Bold Italic= less than detection limits

Appendix 5.B
Ebensburg Power Company
Revloc Site

MW-3
Inorganics
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Date	Flow (GPM) or Static Water Elevation (ft)	Field pH (Standard Units)	Lab pH (Standard Units)	Specific Conductivity (umhos/cm)	Alkalinity (mg/L)	Acidity (mg/L)	Iron (mg/L)	Mn (mg/L)	SO4 (mg/L)	Fluoride (mg/L)	Chloride (mg/L)	Sodium (mg/L)	Potassium (mg/L)	TDS (mg/L)	TSS (mg/L)	Ammonia Nitrogen (mg/L)	Nitrate Nitrogen (mg/L)	Bicarbonate (mg/L)	Turbidity (NTU)	Chemical Oxygen Demand (mg/L)
09/22/99	1919.0	3.90	3.20	380	0.0	90.0	32.90	14.50	549					752	192.0					
12/15/99	1921.0	4.50	2.90	140	0.0	200.0	23.50	13.90	582	0.15	42.00	9.00	2.71	510	186.0		<i>0.10</i>			
03/15/00	1921.0	4.30	3.80	1200	0.0	250.0	112.00	16.00	559					874	110.0					
06/14/00	1924.0	4.30	3.40	1000	0.0	270.0	75.00	17.90	647	0.26	24.80	21.90	2.83	1234	20.0		<i>0.10</i>			
09/29/00	1921.0	4.20	4.00	1200	6.0	324.0	142.00	18.60	761					1110						
12/13/00	1922.0	4.50	4.20	2080	6.0	354.0	110.00	19.00	731		38.70	25.70	2.81	778						
03/14/01	1923.0	4.20	4.20	1344	8.0	334.0	149.00	19.00	706					1074						
06/11/01	1923.0	3.30	2.60	1770	0.0	300.0	57.00	21.00	629					956						
09/13/01	1920.0	2.80	2.90	1537	0.0	150.0	36.10	17.80	581					766						
11/06/01	1920.0	3.10	3.30	1697	0.0	300.0	78.00	19.90	740		27.00	25.60	3.16	948	78.0					
03/08/02	1923.0	3.31	3.20	1572	0.0	219.0	33.00	17.50	608					864						
06/17/02	1924.7	3.40	3.00	1520	0.0	240.0	120.00	18.60	559					602	36.0					
09/03/02	1920.9	4.50	2.80	2080	0.0	246.0	67.00	27.00	868					914	170.0					
09/09/02		4.60	2.90	2100	0.0	600.0														
09/10/02		5.00	3.10	2280	0.0	500.0														
09/11/02		5.00	3.00	2300	0.0	600.0														
09/12/02		5.00	3.00	2320	0.0	600.0														
09/13/02		5.10	3.00	2490	0.0	500.0	220.00	31.00	1074					1428	860.0					
11/06/02	1920.3	4.50	2.70	1886	0.0	300.0	144.00	19.50	696		119.00	32.80	3.15	1190	64.0					
03/07/03	1920.0	5.20	4.80	1494	2.0	262.0	155.00	17.80	672					1092						
6/10/2003	1920.0	3.70	3.00	828	0.0	200.0	58.00	8.30	262					494	16.0					
6/10/2003			3.50	831	0.0	156.6	45.70	6.82	276		61.70	9.95	1.75	688	152.0					

Bold Italic= less than detection limits

Appendix 5.B
Ebensburg Power Company
Revloc Site

Well 4
Inorganics
Page 1

Date	Flow (GPM) or Static Water Elevation (ft)	Field pH (Standard Units)	Lab pH (Standard Units)	Specific Conductivity (umhos/cm)	Alkalinity (mg/L)	Acidity (mg/L)	Iron (mg/L)	Mn (mg/L)	SO4 (mg/L)	Fluoride (mg/L)	Chloride (mg/L)	Sodium (mg/L)	Potassium (mg/L)	TDS (mg/L)	TSS (mg/L)	Ammonia Nitrogen (mg/L)	Nitrate Nitrogen (mg/L)	Bicarbonate (mg/L)	Turbidity (NTU)	Chemical Oxygen Demand (mg/L)
10/28/96	1945.0	6.60	7.30	400	76.0	0.0	0.50	1.10	156	0.15	42.00	7.55		162	20.0		0.15	90.40	60.0	480.00
11/22/96	1944.0	6.60	7.70	420	96.0	0.0	17.00	1.00	102	0.12	48.00	7.49		324	6158.0		0.14	106	70.0	440
12/18/96	1946.0	5.70	6.90	420	102.0	0.0	2.70	0.80	44	0.22	60.00	6.49		282	182.0		0.14	117	140.0	20
01/16/97	1957.0	5.40	6.90	460	114.0	0.0	1.80	0.06	76	0.12	50.00	8.64		292	4168.0		0.12	125	320.0	76
02/24/97	1945.0	6.50	7.30	47	106.0	0.0	0.40	0.50	47					408	2968.0					
03/12/97	1945.0	5.80	7.20	460	104.0	0.0	8.20	0.70	114					172	1976.0					
06/16/97	1945.0	4.50	7.00	400	102.0	0.0	7.40	0.60	69		130.00	6.49		252	1284.0					
09/25/97	1846.0	7.10	7.00	460	114.0	0.0	2.40	0.80	65					334	178.0					
12/18/97	2039.0	7.00	8.30	500	98.0	0.0	1.58	0.69	82		88.00	12.80	4.26	342	258.0					
03/26/98	1945.0	6.90	8.90	460	68.0	0.0	2.10	0.60	107					286	86.0					
06/23/98	1945.0	7.20	7.40	460	128.0	0.0	1.96	0.65	40		46.00	11.30	2.94	330	50.0					
09/21/98	1944.0	6.60	7.00	420	108.0	0.0	1.00	0.70	61					444	102.0					
12/18/98	1944.0	6.40	8.40	520	106.0	0.0	1.00	0.74	62		25.00	7.32	3.75	478	68.0					
03/17/99	1945.0	6.70	8.30	520	96.0	0.0	0.80	0.70	55					334	122.0					
06/22/99	1943.0	6.50	8.20	580	102.0	0.0	0.73	0.80	80		62.00	16.10	2.92	422	108.0					
09/22/99	1919.0	6.70	6.80	70	102.0	0.0	0.80	0.80	156					374	102.0					
12/15/99	1945.0	6.41	8.30	500	102.0	0.0	1.03	0.54	66		190.00	14.70	2.67	408	90.0					
03/15/00	1945.0	6.80	6.90	520	96.0	0.0	1.40	0.70	53						36.0					
06/14/00	1945.0	6.85	7.00	680	90.0	0.0	1.64	0.87	57		113.00	19.90	2.66	584	8.0					
09/29/00	1944.7	6.40	6.70	760	98.0	0.0	1.90	0.80	80					360	230.0					
12/13/00	1945.0	6.28	6.80	722	90.0	0.0	1.07	0.61	58		51.60	21.20	2.77	260	46.0					
03/14/01	1947.0	6.32	6.40	638	106.0	0.0	1.29	0.59	45					384	30.0					
06/11/01	1945.0	6.45	8.00	623	106.0	0.0	0.15	0.50	29					408	29.0					
09/13/01	1943.0	6.28	8.10	632	96.1	0.0	0.96	0.75	57					400	16.0					
11/06/01	1941.0	6.25	7.70	664	71.1	0.0	0.15	0.67	44		45.30	21.20	2.52	38	10.0					
03/08/02	1940.0	6.25	8.50	683	92.0	0.0	0.15	0.50	48					240	26.0					
06/17/02	1943.0	6.47	7.00	696	108.0	0.0	1.80	0.66	46					488	32.0					
09/03/02	1941.0	6.29	8.30	691	64.0	60.0	0.18	0.55	57					348	26.0					
11/06/02	1940.0	6.10	8.30	826	72.0	0.0	2.31	0.64	51					628	154.0					
03/07/03	1939.0	6.20	8.30	665	104.0	0.0	0.20	0.70	51					276						
06/10/03	1937.7	6.20	6.40	769	116.0	0.0	1.40	0.70	51					528	92.0					
06/10/03			7.10	812	109.8	0.0	2.41	0.65	32		175.20	17.10	2.31	918	50.0					

Bold Italic= less than detection limits

Appendix 5.B
Ebensburg Power Company
Revloc Site

Well 4
Inorganics
Page 1

Date	Flow (GPM) or Static Water Elevation (ft)	Field pH (Standard Units)	Lab pH (Standard Units)	Specific Conductivity (umhos/cm)	Alkalinity (mg/L)	Acidity (mg/L)	Iron (mg/L)	Mn (mg/L)	SO4 (mg/L)	Fluoride (mg/L)	Chloride (mg/L)	Sodium (mg/L)	Potassium (mg/L)	TDS (mg/L)	TSS (mg/L)	Ammonia Nitrogen (mg/L)	Nitrate Nitrogen (mg/L)	Bicarbonate (mg/L)	Turbidity (NTU)	Chemical Oxygen Demand (mg/L)
10/28/96	1945.0	6.60	7.30	400	76.0	0.0	0.50	1.10	156	0.15	42.00	7.55		162	20.0		0.15	90.40	60.0	480.00
11/22/96	1944.0	6.60	7.70	420	96.0	0.0	17.00	1.00	102	0.12	48.00	7.49		324	6158.0		0.14	106	70.0	440
12/18/96	1946.0	5.70	6.90	420	102.0	0.0	2.70	0.80	44	0.22	60.00	6.49		282	182.0		0.14	117	140.0	20
01/16/97	1957.0	5.40	6.90	460	114.0	0.0	1.80	0.06	76	0.12	50.00	8.64		292	4168.0		0.12	125	320.0	76
02/24/97	1945.0	6.50	7.30	47	106.0	0.0	0.40	0.50	47					408	2968.0					
03/12/97	1945.0	5.80	7.20	460	104.0	0.0	8.20	0.70	114					172	1976.0					
06/16/97	1945.0	4.50	7.00	400	102.0	0.0	7.40	0.60	69		130.00	6.49		252	1284.0					
09/25/97	1846.0	7.10	7.00	460	114.0	0.0	2.40	0.80	65					334	178.0					
12/18/97	2039.0	7.00	8.30	500	98.0	0.0	1.58	0.69	82		88.00	12.80	4.26	342	258.0					
03/26/98	1945.0	6.90	8.90	460	68.0	0.0	2.10	0.60	107					286	86.0					
06/23/98	1945.0	7.20	7.40	460	128.0	0.0	1.96	0.65	40		46.00	11.30	2.94	330	50.0					
09/21/98	1944.0	6.60	7.00	420	108.0	0.0	1.00	0.70	61					444	102.0					
12/18/98	1944.0	6.40	8.40	520	106.0	0.0	1.00	0.74	62		25.00	7.32	3.75	478	68.0					
03/17/99	1945.0	6.70	8.30	520	96.0	0.0	0.80	0.70	55					334	122.0					
06/22/99	1943.0	6.50	8.20	580	102.0	0.0	0.73	0.80	80		62.00	16.10	2.92	422	108.0					
09/22/99	1919.0	6.70	6.80	70	102.0	0.0	0.80	0.80	156					374	102.0					
12/15/99	1945.0	6.41	8.30	500	102.0	0.0	1.03	0.54	66		190.00	14.70	2.67	408	90.0					
03/15/00	1945.0	6.80	6.90	520	96.0	0.0	1.40	0.70	53						36.0					
06/14/00	1945.0	6.85	7.00	680	90.0	0.0	1.64	0.87	57		113.00	19.90	2.66	584	8.0					
09/29/00	1944.7	6.40	6.70	760	98.0	0.0	1.90	0.80	80					360	230.0					
12/13/00	1945.0	6.28	6.80	722	90.0	0.0	1.07	0.61	58		51.60	21.20	2.77	260	46.0					
03/14/01	1947.0	6.32	6.40	638	106.0	0.0	1.29	0.59	45					384	30.0					
06/11/01	1945.0	6.45	8.00	623	106.0	0.0	0.15	0.50	29					408	29.0					
09/13/01	1943.0	6.28	8.10	632	96.1	0.0	0.96	0.75	57					400	16.0					
11/06/01	1941.0	6.25	7.70	664	71.1	0.0	0.15	0.67	44		45.30	21.20	2.52	38	10.0					
03/08/02	1940.0	6.25	8.50	683	92.0	0.0	0.15	0.50	48					240	26.0					
06/17/02	1943.0	6.47	7.00	696	108.0	0.0	1.80	0.66	46					488	32.0					
09/03/02	1941.0	6.29	8.30	691	64.0	60.0	0.18	0.55	57					348	26.0					
11/06/02	1940.0	6.10	8.30	826	72.0	0.0	2.31	0.64	51					628	154.0					
03/07/03	1939.0	6.20	8.30	665	104.0	0.0	0.20	0.70	51					276						
06/10/03	1937.7	6.20	6.40	769	116.0	0.0	1.40	0.70	51					528	92.0					
06/10/03			7.10	812	109.8	0.0	2.41	0.65	32		175.20	17.10	2.31	918	50.0					

Bold Italic= less than detection limits

Date	Dissolved Al (mg/L)	Total Al (mg/L)	Dissolved As (mg/L)	Total As (mg/L)	Dissolved Ba (mg/L)	Total Ba (mg/L)	Dissolved Cd (mg/L)	Total Cd (mg/L)	Dissolved Ca (mg/L)	Total Ca (mg/L)	Dissolved Cr (mg/L)	Total Cr (mg/L)	Dissolved Cu (mg/L)	Total Cu (mg/L)	Dissolved Pb (mg/L)	Total Pb (mg/L)	Dissolved Mg (mg/L)	Total Mg (mg/L)	Dissolved Hg (mg/L)	Total Hg (mg/L)	Dissolved Ni (mg/L)	Total Ni (mg/L)	Dissolved Se (mg/L)	Total Se (mg/L)	Dissolved Ag (mg/L)	Total Ag (mg/L)	Dissolved Zn (mg/L)	Total Zn (mg/L)
10/28/96		72.00	0.0138	0.0359	0.200	0.200	0.0500	0.0500	276.80	289.50	0.1000	0.1000	0.100	0.140	0.2400	0.3700	440.00	447.60	0.0005	0.0005	4.120	4.780	0.0020	0.0020	0.060	0.060	1.830	2.000
11/22/96		11.00	0.0020	0.0020	0.200	0.200	0.0500	0.0500	214.00	233.70	0.1000	0.1000	0.040	0.050	0.1300	0.2200	217.00	221.00	0.0005	0.0005	1.500	1.760	0.0020	0.0020	0.060	0.060	1.600	1.930
12/18/96		8.00	0.0020	0.0020	0.200	0.200	0.0500	0.0500	199.90	204.50	0.1000	0.1000	0.040	0.060	0.1600	0.2300	126.00	159.80	0.0005	0.0005	0.930	1.010	0.0020	0.0020	0.060	0.060	1.400	1.560
01/16/97		3.00	0.0311	0.0337	0.200	0.200	0.0500	0.0500	139.00	151.10	0.1000	0.1000	0.040	0.040	0.1000	0.1000	130.40	142.90	0.0005	0.0005	0.710	0.740	0.0020	0.0020	0.060	0.060	0.960	1.040
02/24/97		2.00																										
03/12/97		2.00																										
06/16/97		1.00		0.0020				0.0500		92.00		0.1000		0.040		0.1000		71.00		0.0005				0.0580				0.030
09/25/97		1.00																										
12/18/97		1.00		0.0020				0.0500		50.00		0.1000		0.040		0.2100	41.00		0.0005					0.0386				0.080
03/26/98		1.00																										
06/23/98		1.00		0.0020				0.0500		31.00		0.1000		0.040		0.1000		20.00		0.0005				0.0020				0.030
09/21/98		1.00																										
12/18/98		1.00		0.0020				0.0500		30.00		0.1000		0.040		0.1000		12.00		0.0005				0.0943				0.030
03/17/99		1.00																										
06/22/99		1.00		0.0000				0.0500		22.00		0.1000		0.040		0.1000		12.00		0.0005				0.0729				0.030
09/22/99		1.00																										
12/15/99		1.00		0.0020				0.0500		19.00		0.3000		0.040		0.1000		107.00		0.0005				0.0802				0.040
03/15/00		1.00																										
06/14/00		1.00		0.0020				0.0500		2.00		0.1000		0.040		0.1000		10.00		0.0005				0.0020				0.030
09/29/00		1.00																										
12/13/00		1.00		0.0020				0.0500		20.00		0.1000		0.040		0.1000		9.00		0.0005		0.100		0.0187				0.030
03/14/01		1.00																										
06/11/01		1.00																										
09/13/01		1.00																										
11/06/01		1.00		0.0100				0.0500		19.00		0.1000		0.040		0.1000		6.00		0.0005		0.100		0.0850				0.040
03/08/02		1.00																										
06/17/02		1.00																										
09/03/02		1.00																										
11/06/02		1.00		0.0100				0.0500		17.00		0.1000		0.040		0.1000		9.00		0.0005		0.100		0.0100				0.030
03/07/03		1.00																										
06/10/03		1.00																										
06/10/03		2.00		0.0040				0.0100		17.40		0.0500		0.010		0.0010		8.26		0.0010		0.050		0.0070				0.058

Appendix 5.B
Ebensburg Power Company
Revloc Site

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Inorganics
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Date	Flow (GPM) or Static Water Elevation (ft)	Field pH (Standard Units)	Lab pH (Standard Units)	Specific Conductivity (umhos/cm)	Alkalinity (mg/L)	Acidity (mg/L)	Iron (mg/L)	Mn (mg/L)	SO4 (mg/L)	Fluoride (mg/L)	Chloride (mg/L)	Sodium (mg/L)	Potassium (mg/L)	TDS (mg/L)	TSS (mg/L)	Ammonia Nitrogen (mg/L)	Nitrate Nitrogen (mg/L)	Bicarbonate (mg/L)	Turbidity (NTU)	Chemical Oxygen Demand (mg/L)
04/19/96	0.0	3.10	2.60	6400	0.0	4630.0	71.00	94.70	7543					9652						
05/17/96	12.4	3.30	2.80	5200	0.0	2930.0	35.00	55.60	5184					7238	8.0					
06/21/96	0.0	3.30	2.70	5200	0.0	3020.0	31.70	59.10	6087					8292	30.0					
07/26/96	0.0	2.00	2.50	6000	0.0	2580.0	34.80	61.60	5929					11104						
08/23/96	0.1	2.00	2.70	7200	0.0	5000.0	33.30	75.80	7900					10104						
09/30/96	12.4	2.50	2.80	4800	0.0	1950.0	26.90	43.90	5211					6760						
10/25/96	12.4	2.40	2.70	5200	0.0	1810.0	31.80	42.70	4711	0.10	0.28	7.33		8512		25.76	1.20	2	1.4	8
11/22/96	12.4	2.60	2.80	5000	0.0	480.0	47.40	46.40	5859	0.10	0.10	7.27		7434		32.48	0.72	2	1.4	16
12/18/96	16.7	2.80	2.10	5000	0.0	2550.0	57.90	47.90	4893	0.10	0.10	6.71		6884		1.20	2	2	1.0	20
01/16/97	12.4	2.60	2.90	6000	0.0	4200.0	98.00	110.00	6866	0.10	2.00	8.59		9632		30.80	0.76	2	2.2	20
02/24/97	16.7	2.60	2.70	4800	0.0	2200.0	86.00	80.00	5027					7470						
03/12/97	12.4	2.40	2.50	5000	0.0	2620.0	47.30	42.00	5473					8440						
04/16/97	6.1	2.60	2.80	6000	0.0	3700.0	43.50	60.10	6398					11034						
05/28/97	21.7	2.30	2.80	5000	0.0	2260.0	28.70	71.00	4397					6802						
06/16/97	8.9	3.00	2.80	5600	0.0	3700.0	50.20	83.00	6560		1.30	7.90		14104						
07/25/97	3.8	2.50	2.50	5200	0.0	5200.0	51.00	970.00	7353					11478						
08/22/97	8.9	2.30	2.90	5200	0.0	3200.0	42.30	71.00	5278					6748						
09/25/97	3.8	2.70	2.80	5600	0.0	3700.0	38.30	56.00	6872					9554	8.0					
10/29/97	3.8	2.60	2.80	5600	0.0	3480.0	33.10	49.30	7401					7160						
11/21/97	12.4	2.50	3.00	4200	0.0	3200.0	34.70	32.00	4997					7544						
12/18/97	12.4	3.14	2.70	5400	0.0	2930.0	33.10	35.00	5375		2.30	15.40	1.99	7170						
01/19/98	12.4	3.10	2.90	4800	0.0	820.0	36.30	35.70	5823					6328						
02/23/98	27.6	3.30	2.90	4400	0.0	2240.0	40.50	29.00	3851					5404						
03/26/98	12.4	3.10	3.20	5800	0.0	3700.0	54.00	52.00	6373					1422	10.0					
04/29/98	16.7	3.20	2.90	5756	0.0	2350.0	37.10	32.60	4246					5756						
05/28/98	6.1	3.60	2.80	5600	0.0	3490.0	58.00	34.00	7010					8428						
06/16/98	8.9	4.62	3.00	6000	0.0	1632.0	93.40	59.00	6134		6.00	24.60	10.40	8968	14.0					
07/24/98	6.1	4.30	2.90	5000	0.0	3400.0	29.70	46.00	5444					9392	800.0					
08/31/98	2.2	2.60	2.90	4600	0.0	4250.0	48.30	73.00	5890					11846	204.0					
09/21/98	2.2	2.74	2.80	3800	0.0	4030.0	42.50	60.00	7366					9850	14.0					
10/21/98	2.2	2.80	2.80	4600	0.0	3500.0	14.90	61.90	5296					8798						
11/18/98	2.2	2.70	3.00	5400	0.0	5300.0	32.30	70.40	7217					11114						
12/16/98	1.1	2.80	3.00	5000	0.0	4600.0	15.80	75.10	6771		0.10	7.80	1.38	11252						
01/13/99	0.0	3.50	3.70	1600	0.0	730.0	2.50	11.10	1432					1834	762.0					
03/17/99	0.0	2.95	3.00		0.0	3220.0	29.40	49.00	5107					7258	16.0					
04/14/99	12.4	2.70	2.90	3800	0.0	3000.0	18.00	37.00	5106					6244						
05/26/99	6.1	2.70	3.20	4200	0.0	4310.0	32.00	67.00	6989					9656						
06/22/99	2.2	2.66	2.90	6800	0.0	4900.0	57.00	116.00	7238		7.00	43.00	2.07	12454						
07/14/99	2.2	2.80	3.00	380	0.0	4980.0	44.00	93.00	1675					14068	6.0					
08/11/99	1.1	2.70	2.90	590	0.0	4980.0	49.00	110.00	7964					14112	14.0					
09/22/99	2.2	2.75	2.90	4200	0.0	4980.0	25.00	82.00	6952					10670						
10/27/99	2.2	2.80	2.80	3600	0.0	3420.0	39.00	66.00	8343					8924						
11/17/99	2.2	2.70	3.00	3500	0.0	3994.0	51.00	74.00	7681					10572	16.0					
12/15/99	3.8	2.64	3.10	3400	0.0	3050.0	20.00	33.00	4902		12.00	11.10	2.13	6488						
01/27/00	0.0																			

Bold Italic= less than detection limits

Appendix 5.B
Ebensburg Power Company
Revloc Site

R2A
Inorganics
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Date	Flow (GPM) or Static Water Elevation (ft)	Field pH (Standard Units)	Lab pH (Standard Units)	Specific Conductivity (umhos/cm)	Alkalinity (mg/L)	Acidity (mg/L)	Iron (mg/L)	Mn (mg/L)	SO4 (mg/L)	Fluoride (mg/L)	Chloride (mg/L)	Sodium (mg/L)	Potassium (mg/L)	TDS (mg/L)	TSS (mg/L)	Ammonia Nitrogen (mg/L)	Nitrate Nitrogen (mg/L)	Bicarbonate (mg/L)	Turbidity (NTU)	Chemical Oxygen Demand (mg/L)
02/16/00	0.0																			
03/15/00	3.8	2.74	2.90	4600	0.0	3920.0	25.00	74.00	6209					7992						
04/19/00	6.1	2.80	2.90	2800	0.0	3300.0	20.00	64.00	5389					7312	6.0					
05/17/00	3.8	2.80	2.90	5200	0.0	4200.0	22.50	77.00	6908					12188						
06/14/00	6.1	2.90	2.10	5600	0.0	3400.0	20.50	71.00	5886		<i>0.10</i>	19.30	3.34	8724						
07/31/00	3.8	3.00	3.10	4800	0.0	2900.0	24.90	74.00	5925					8610						
08/30/00	3.8	2.90	4.20	5000	192.0	3094.0	21.00	73.00	6839					9430						
09/29/00	3.8	3.04	3.30	4200	0.0	2520.0	13.90	41.00	3495					5256						
10/25/00	3.8	2.90	3.10	6000	0.0	3500.0	17.90	65.00	5527					8794						
11/15/00	2.2	2.90	3.10	5180	0.0	3200.0	18.20	62.00	5248					7104						
12/13/00	2.2	2.85	3.00	5960	0.0	3440.0	17.10	64.00	5306		4.99	25.60	6.62	7354						
01/17/01	2.2	2.80	3.00	6390	0.0	4400.0	17.20	63.00	4059					7460	19.0					
02/08/01	3.8	2.70	2.80	7480	0.0	3820.0	15.10	81.00	6016					8416						
03/14/01	21.7	2.90	2.80	7770	0.0	3200.0	14.00	85.00	6119					8690						
04/11/01	12.4	2.80	2.70	5680	0.0	2500.0	11.50	6.40	4922					7270						
05/17/01	3.8	2.80	3.10	6630	0.0	4000.0	19.40	87.00	7654					9278						
06/11/01	3.8	2.18	2.60	6600	0.0	4200.0	20.00	97.00	6894					10946						
07/11/01	8.9	2.90	2.60	6500	0.0	3700.0	14.10	80.00	6331					8564						
08/08/01	2.2	2.80	2.90	7030	0.0	4500.0	23.50	92.00	7755					10340						
09/13/01	2.2	2.89	3.00	6800	0.0	2870.0	20.70	90.00	7226					9730						
10/10/01	2.2	2.80	3.10	7190	0.0	4400.0	25.20	91.00	7239					10118						
11/06/01	2.2	3.10	3.20	7270	0.0	4200.0	29.00	99.00	7188		16.70	32.80	12.70	9544	44.0					
12/05/01	3.8	2.87	3.00	6930	0.0	533.5	2.53	95.00	6735					10050						
01/10/02	6.1	3.00	3.10	3850	0.0	1224.0	10.90	41.00	3175					4386						
02/06/02	6.1	2.80	3.10	6330	0.0	2482.0	15.50	78.00	5661					8406						
03/08/02	3.8	2.80	3.10	5150	0.0	2205.9	12.80	57.00	4556					6664						
04/02/02	6.1	2.80	3.10	5350	0.0	2200.0	11.20	59.00	4936					7198						
05/10/02	12.4	2.80	3.10	4420	0.0	1690.0	6.70	43.00	3588					5856						
06/03/02	6.1	2.88	3.10	4670	0.0	1800.0	8.30	45.00	3871					6492						
07/03/02	3.8	3.00	3.00	4870	0.0	1900.0	9.80	49.00	4115					6350						
08/06/02	6.1	3.00	3.20	3070	0.0	1500.0	7.40	34.00	2998					4632						
09/03/02	2.2	2.84	3.10	5390	0.0	3070.0	19.90	68.00	5288					6588						
10/04/02	2.2	3.20	3.30	4460	0.0	1660.0	2.60	47.00	3938					6036						
11/06/02	12.4	3.04	2.90	3330	0.0	1270.0	5.80	30.00	52		16.30	26.00	30.50	102						
12/10/02	2.2	2.90	3.00	4930	0.0	2290.0	13.40	46.00	4466					5514						
01/10/03	8.9	2.90	3.00	4700	0.0	1900.0	7.10	41.00	3690					4618						
02/06/03	0.0																			
03/07/03	12.4	3.00	3.20	4020	0.0	1220.0	4.9	31.00	3241					4246						
04/02/03	8.9	3.20	3.10	3850	0.0	5244.0	6.4	33.00	3108					4388						
05/07/03	6.1	3.20	3.20	3590	0.0	1400.0	7.1	33.00	3011					3688						
06/10/03	6.1	3.08	2.80	4640	0.0	2400.0	11.6	45.00	4724					7700	22.0					
06/10/03			3.00	4560	0.0	2574.2	8.24	42.50	3740		3.70	8.91	3.91	8554	16.0					

Bold Italic= less than detection limits

Appendix 5.B
Ebensburg Power Company
Revloc Site

R2B
Inorganics
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Date	Flow (GPM) or Static Water Elevation (ft)	Field pH (Standard Units)	Lab pH (Standard Units)	Specific Conductivity (umhos/cm)	Alkalinity (mg/L)	Acidity (mg/L)	Iron (mg/L)	Mn (mg/L)	SO4 (mg/L)	Fluoride (mg/L)	Chloride (mg/L)	Sodium (mg/L)	Potassium (mg/L)	TDS (mg/L)	TSS (mg/L)	Ammonia Nitrogen (mg/L)	Nitrate Nitrogen (mg/L)	Bicarbonate (mg/L)	Turbidity (NTU)	Chemical Oxygen Demand (mg/L)
04/19/96	0.4	3.50	3.00	3400	0.0	760.0	19.00	39.20	2460					3758						
05/17/96	2.2	3.70	3.10	3200	0.0	900.0	11.30	31.90	2368					3424	4.0					
06/21/96		3.50	2.90	3000	0.0	650.0	8.54	27.60	2154					2978						
07/26/96		2.50	2.70	4200	0.0	850.0	14.70	36.90	3395					6094	6.0					
08/23/96	0.4	2.30	2.90	3800	0.0	1200.0	15.80	38.60	3352					3972						
09/30/96	2.2	3.20	3.10	3000	0.0	580.0	11.60	26.50	2289					2922						
10/25/96	3.8	2.90	3.00	3200	0.0	600.0	8.70	25.90	2200	0.10	2.10	8.31		2906		30.24	4.40	2	1.8	12
11/22/96	2.2	3.30	3.10	3400	0.0	724.0	13.40	32.20	2762	0.10	2.70	8.92		3924	4.0	34.72	3.40	2	25.0	4
12/18/96	3.8	2.40	2.40	3200	0.0	850.0	11.20	28.60	2644	0.10	2.00	8.15		3702		21.28	4.00	2	1.8	24
01/16/97	0.0																			
02/24/97	3.8	3.20	3.10	2600	0.0	550.0	11.50	113.80	1757					2580						
03/12/97	2.2	3.00	2.70	3200	0.0	800.0	14.40	26.70	2462					4456	56.0					
04/16/97	2.2	3.30	3.10	4200	0.0	700.0	20.90	42.70	3837					6090	254.0					
05/28/97	3.8	2.60	2.90	3400	0.0	1020.0	9.10	34.00	2616					3572	4.0					
06/16/97	2.2	2.60	3.00	4000	0.0	1200.0	19.10	42.00	3644		5.80	9.29		8168	82.0					
07/25/97	0.4	2.90	2.80	3200	0.0	1200.0	14.20	660.00	3680					5264						
08/22/97	2.2	3.90	4.20	3000	16.0	366.0	3.80	14.30	2084					1664	28.0					
09/25/97	0.4	3.90	3.80	4000	6.0	994.0	104.00	17.00	3727					4794	34.0					
10/29/97	1.1	4.00	4.00	3600	14.0	916.0	9.30	18.20	3110					3860	26.0					
11/21/97	2.2	3.70	3.20	3000	0.0	800.0	8.40	14.90	2752					3742	2.0					
12/18/97	0.0																			
01/19/98	2.2	4.40	3.80	2800	8.0	442.0	4.60	10.10	2123					2606	10.0					
02/23/98	2.2	4.10	3.50	3000	0.0	480.0	11.60	12.00	1931					2700						
03/26/98	0.4	4.25	3.70	3600	0.0	680.0	7.10	18.40	2708					3808	14.0					
04/29/98	2.2	4.10	3.50	2600	0.0	700.0	22.10	17.00	2457					3250						
05/28/98	0.4	4.00	3.20	4600	0.0	2050.0	45.00	35.50	4529					6484						
06/16/98	2.2	4.49	3.50	3800	0.0	940.0	14.50	25.40	2784		19.00	26.70	25.80	4646	30.0					
07/24/98	2.2	5.10	3.70	3200	0.0	500.0	2.30	15.50	2193					3756						
08/31/98	0.0																			
09/21/98	0.4	3.47	3.60	2400	0.0	470.0	2.50	14.00	2259					3200	2.0					
10/21/98	0.0																			
11/18/98	0.0																			
12/16/98	0.0																			
01/13/99	0.0																			
02/10/99	0.0																			
03/17/99	0.0																			
04/14/99	2.2	3.30	3.40	2600	0.0	300.0	6.70	23.80	2551					3072						
05/26/99	0.0																			
06/22/99	0.0																			
07/14/99	0.0																			
08/11/99	0.0																			
09/22/99	0.4	3.51	3.60	64	0.0	186.0	3.20	26.00	2537					1900						
10/27/99	0.0																			
11/17/99	0.0																			
12/15/99	0.4	4.23	4.20	1600	12.0	138.0	0.41	18.40	1202		52.00	14.30	24.50	1946						

Bold Italic= less than detection limits

Appendix 5.B
Ebensburg Power Company
Revloc Site

R2B
Inorganics
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Date	Flow (GPM) or Static Water Elevation (ft)	Field pH (Standard Units)	Lab pH (Standard Units)	Specific Conductivity (umhos/cm)	Alkalinity (mg/L)	Acidity (mg/L)	Iron (mg/L)	Mn (mg/L)	SO4 (mg/L)	Fluoride (mg/L)	Chloride (mg/L)	Sodium (mg/L)	Potassium (mg/L)	TDS (mg/L)	TSS (mg/L)	Ammonia Nitrogen (mg/L)	Nitrate Nitrogen (mg/L)	Bicarbonate (mg/L)	Turbidity (NTU)	Chemical Oxygen Demand (mg/L)
01/27/00	0.0																			
02/16/00	0.0																			
03/15/00	0.0																			
04/19/00	0.4	4.60	5.10	2000	4.0	64.0	0.30	9.70	1879					3182	6.0					
05/17/00	0.0																			
06/14/00	1.1	4.41	5.10	4200	2.0	34.0	0.21	10.10	1899		586.00	275.00	616.00	1840	36.0					
07/31/00	0.0																			
08/30/00	0.0																			
09/29/00	1.1	4.33	4.10	1000	10.0	74.0	0.37	7.10	498					708						
10/25/00	0.0																			
11/15/00	0.0																			
12/13/00	0.0																			
01/17/01	0.0																			
02/08/01	0.0																			
03/14/01	3.8	4.24	4.50	2860	0.0	80.0	0.46	5.10	1299					2084						
04/11/01	3.8	4.30	4.40	2820	8.0	50.0	0.50	4.00	1476					2546						
05/17/01	0.0																			
06/11/01	0.0																			
07/11/01	1.1	4.40	4.70	3210	2.0	26.0	0.20	4.00	1764					2452	6.0					
08/08/01	0.0																			
09/13/01	0.0																			
10/10/01	0.0																			
11/06/01	0.0																			
12/05/01	0.0																			
01/10/02	6.1	4.60	4.80	1926	2.0	50.0	0.30	4.70	950						6.0					
02/06/02	0.0																			
03/08/02	2.2	4.60	4.90	2520	2.1	37.5	0.15	4.10	1296					1906	6.0					
04/02/02	2.2	4.20	4.70	2930	4.0	76.0	0.40	6.90	1579					2602						
05/10/02	2.2	4.50	5.20	2970	4.0	22.0	0.20	1.50	1870					2992						
06/03/02	0.4	5.50	7.00	3810	26.0	0.0	0.15	0.25	2086					3316	162.0					
07/03/02	0.0																			
08/06/02	0.0																			
09/03/02	0.0																			
10/04/02	1.1	5.40	7.70	2710	34.0	0.0	0.15	3.30	1468					2310						
11/06/02	3.8	4.26	4.50	2540	0.0	82.0	0.81	4.80	53		194.00	149.00	199.00	130						
12/10/02	0.0																			
01/10/03	2.2	4.70	4.80	2470	2.0	46.0	0.40	2.80	1338											
02/06/03	0.0													2088						
03/07/03	0.0																			
04/02/03	3.8	4.90	4.90	2570	2.0	52.0	0.30	3.40	1463					2178						
05/07/03	1.1	4.60	5.20	2740	6.0	24.0	1.50	3.90	1526					2318						
06/10/03	0.4	6.70	5.70	3040	38.0	10.0	0.15	0.20	1849					2718						
06/10/03			9.00	2960	36.2	0.0	0.13	0.22	1834		65.60	72.70	221.00	3400	36.0					

Bold Italic= less than detection limits

Appendix 5.B
Ebensburg Power Company
Revloc Site

SP-1 (Downstream)
Inorganics
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Date	Flow (GPM) or Static Water Elevation (ft)	Field pH (Standard Units)	Lab pH (Standard Units)	Specific Conductivity (umhos/cm)	Alkalinity (mg/L)	Acidity (mg/L)	Iron (mg/L)	Mn (mg/L)	Al (mg/L)	SO4 (mg/L)	Sodium (mg/L)	TDS (mg/L)	TSS (mg/L)
07/14/88			3.50	1200		2480.0	7.64	10.18	120.00	3200		3878	1.0
07/14/88			3.20	2400		2060.0	7.80	13.20	241.70	2777		4438	1.0
09/21/88	5639		4.30	240	6.0	50.0	1.14	0.70	9.20	119		299	36.0
12/06/88	2374		4.30	360	16.0	166.0	1.12	0.92	22.40	258		363	2.8
09/02/89			4.00		3.0	466.0	3.09	3.27	85.80	564	10.00		12.0
12/03/89			4.50		10.0	102.0	1.57	1.14	19.70	103	10.00		3.0
10/17/90			4.50		8.0	62.0	1.07	0.77	11.70	125	10.00		37.0
03/25/91	22604		4.70	140	2.0	20.0	0.62	0.30	4.74	37		116	20.0
04/15/91			4.70		7.0	30.0	2.86	0.65	9.67	100	15.30		79.0
06/17/91	927		4.10	620	16.0	298.0	1.65	1.91	48.10	421		803	14.0
09/13/91			3.50		0.0	1960.0	5.33	13.40	344.00	2794	13.60		2.0
09/27/91	110		3.70	2200	0.0	284.0	2.75	8.34	183.00	1635		2528	0.0
12/12/91	3261		4.60	360	2.0	8.0	0.61	0.80	7.56	109		226	30.0
12/20/91	20263		4.90	140	2.0	16.0	0.42	0.28	2.80	52		34	35.6
03/25/92	3475		4.50	520	0.0	64.0	0.68	0.87	9.82	154		306	10.0
05/27/92			4.30		15.0	292.0	1.95	2.92	59.40	390	11.50		2.0
06/25/92	126		3.70	1400	0.0	690.0	1.81	3.92	84.50	854		1424	20.0
09/18/92			4.10		10.0	368.0	2.08	3.95	70.10	426	16.80		6.0
09/22/92	2075		4.60	320	2.0	52.0	2.50	1.24	11.60	147		288	80.0
12/18/92			6.30		14.0	1.0	0.69	0.34	2.32	44	27.40		22.0
12/21/92	9630		5.70	300	8.0	14.0	0.63	0.33	2.20	96		84	2.0
03/24/93	10111		6.10	2400	8.0	0.0	0.67	0.40	2.40	63		166	24.0
03/24/93			5.90		12.0	6.2	1.02	0.40	2.73	55	19.50		30.0
06/28/93	820		4.20	500	26.0	594.0	2.33	3.63	51.40	699		1178	0.0
09/30/93	8935		6.60	220	6.0	4.0	0.80	0.35	3.00	76		160	26.0
12/15/93	9374		4.50	220	0.0	62.0	1.02	0.70	9.81	139		188	18.0
12/30/93			4.50		7.2	50.0	1.87	1.81	30.40	73	13.60		4.0
03/30/94	14440		4.80	180	2.0	36.0	0.52	0.29	4.89	87		194	0.0
06/22/94	123		4.20	540	16.0	280.0	1.87	2.60	22.40	586		1250	0.0
09/28/94	3760	5.00	4.50	180	0.0	20.0	0.61	0.83	5.30	109		166	0.0
12/23/94			4.70		10.4	48.0	0.77	0.69	8.86	88	10.00		16.0
12/27/94	4621	5.20	4.70	320	1.0	51.0	1.00	0.78	8.70	117		258	18.0
03/30/95	4259	4.90	4.50	400	0.0	6.0	1.03	0.99	11.10	119		246	6.0
06/21/95	1497	4.60	4.40	460	12.0	82.0	0.80	1.69	13.00	170		412	0.0
06/21/95			4.40		9.0	86.0	0.94	1.93	14.80	161	11.70		22.0
09/21/95	328	3.90	3.60	1600	0.0	620.0	2.48	5.38	58.30	960		1342	0.0
09/26/95			3.90		0.0	392.0	3.39	4.87	60.20	573	15.30		3.0
12/21/95	3539	5.90	4.60	260	3.0	33.0	0.43	0.69	6.60	75		180	0.0
03/14/96	6330	5.40	4.60	320	1.0	58.0	0.61	0.59	7.10	86		6	0.0
03/29/96			4.60		7.6	62.0	0.50	0.46	5.97	77	12.70		3.0
06/22/96	1632	5.20	4.60	260	2.0	42.0	0.46	1.06	4.50	111		150	34.0
06/28/96			4.50		11.8	114.0	3.15	1.38	16.20	162	10.00		19.0
09/30/96	13628	6.30	5.40	108	4.0	12.0	0.68	0.41	4.80	65		108	20.0
12/18/96	993	4.50	4.20	240	2.0	30.0	1.07	0.49	5.30	68		124	0.0
03/12/97	349	7.60	5.10	240	2.0	12.0	0.52	0.30	2.90	61		8	0.0
03/31/97			5.30		11.8	12.2	0.91	0.34	3.58	58	12.80		16.0
06/16/97	96	3.40	4.60	320	1.0	107.0	1.62	1.11	13.10	162		400	46.0
06/24/97			4.30		8.0	130.0	2.07	1.79	22.50	243	10.50		16.0
09/25/97	24	4.20	4.20	1200	14.0	356.0	1.71	3.40	53.00	649		906	8.0
09/25/97			4.10		8.6	380.0	1.66	4.40	67.80	802	14.70		3.0
12/18/97	126	5.20	4.90	380	1.0	81.0	1.04	0.68	9.50	108		164	56.0
03/26/98	175	4.90	4.60	380	2.0	68.0	1.02	0.57	11.00	145		352	10.0
06/16/98	253	6.60	6.10	280	12.0	8.0	0.40	0.60	3.00	69		238	30.0
09/21/98	21	4.00	3.10	620	0.0	1510.0	1.20	3.40	30.00	496		568	
12/16/98	14	4.40	4.30	660	20.0	386.0	2.30	3.20	32.00	479		670	2.0
03/17/99	120	5.50	5.10	740	2.0	28.0	0.40	0.60	5.00	114		482	10.0
06/22/99	6	3.70	3.90	1600	2.0	656.0	1.70	4.90	62.00	846		1184	
09/22/99	14	4.50	4.50	300	0.0	44.0	0.40	1.80	9.00	170		460	4.0
12/15/99	421	6.40	6.60	200	12.0	10.0	0.40	0.20	1.00	78		98	2.0
03/15/00			5.30	320	1.0	29.0	0.50	0.60	3.00	68		208	6.0
06/14/00	60	4.90	4.10	340	2.0	28.0	1.20	1.20	4.00	104		236	8.0
09/29/00	13092	7.70	6.60	300	32.0	0.0	1.40	0.30	1.00	46		132	48.0
12/13/00	5454	5.40	5.80	643	8.0	0.0	0.60	0.50	1.00	64		260	

Bold Italic= less than detection limits

Date	Flow (GPM) or Static Water Elevation (ft)	Field pH (Standard Units)	Lab pH (Standard Units)	Specific Conductivity (umhos/cm)	Alkalinity (mg/L)	Acidity (mg/L)	Iron (mg/L)	Mn (mg/L)	Al (mg/L)	SO4 (mg/L)	Sodium (mg/L)	TDS (mg/L)	TSS (mg/L)
03/14/01	29925	6.20	5.90	366	6.0	14.0	0.60	0.30	2.00	13		178	
06/11/01	1543	4.70	4.40	511	10.0	118.0	0.50	1.40	9.00	184		224	8.0
09/13/01	115	3.80	3.70	1298	0.0	260.0	2.90	5.70	62.00	744		1044	
11/06/01	468	5.40	7.40	509	17.0	4.0	0.30	2.40	1.00	155		328	16.0
03/08/02	2887	5.40	7.00	334	6.0	17.0	0.30	0.50	1.00	62		192	
06/03/02	1967	4.70	4.80	379	2.0	38.0	0.40	0.90	10.00	165		182	32.0
09/03/02	124	3.40	4.10	1095	10.0	0.0	0.30	4.20	62.00	561		708	
11/06/02		5.00	6.70	242	28.0	0.0	0.80	0.20	1.00	47		1610	
03/07/03	10772	4.70	7.00	637	18.0	8.0	0.40	0.40	1.00	78		360	
06/10/03	9648	5.30	5.30	250	18.0	52.0	0.30	0.40	1.00	42		172	