Appendix A-4
Region 4

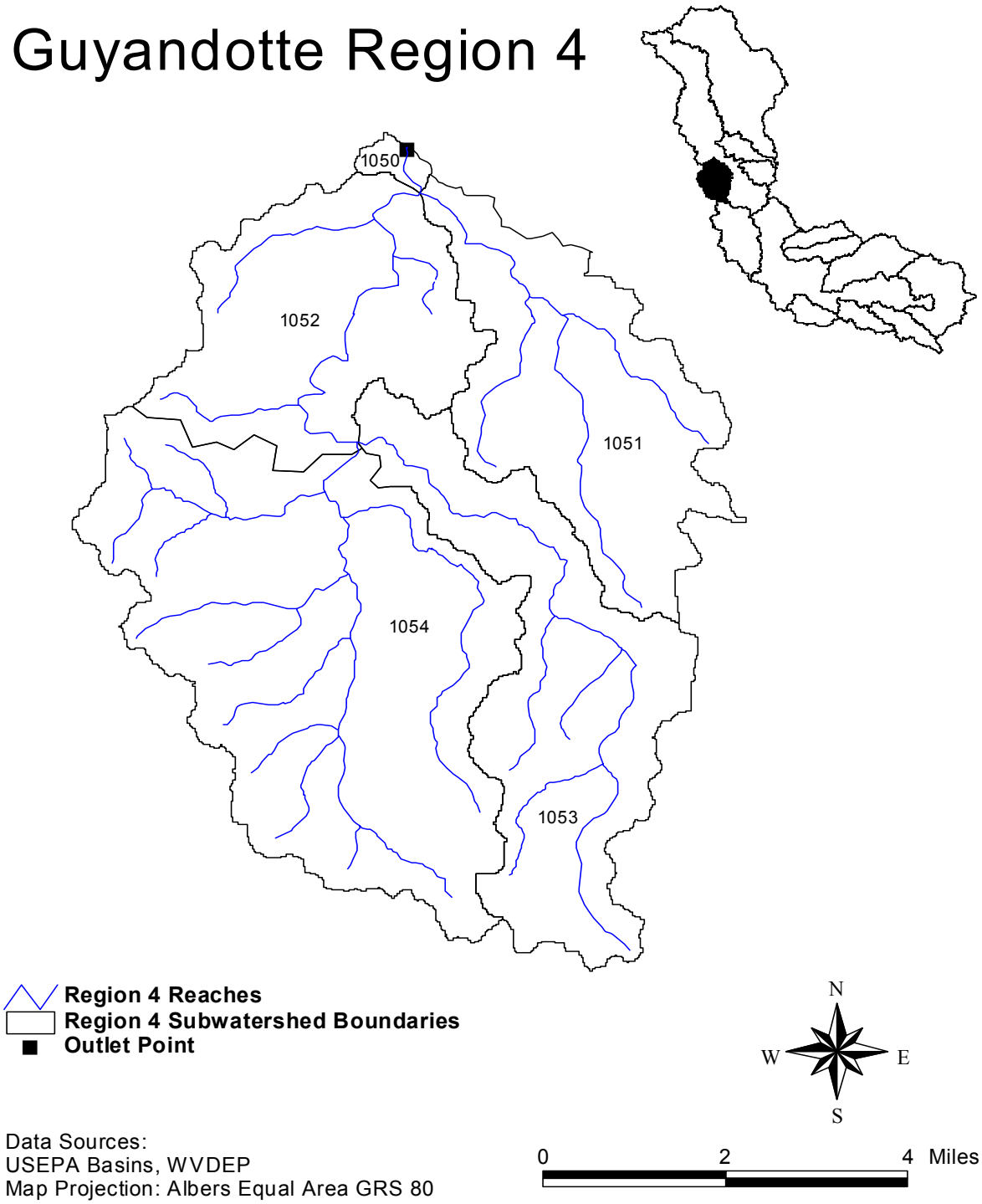

Figure 1. Region 4 - Guyandotte Watershed

Table 1. Impaired waterbodies in Region 4

Stream Name	Stream Code	Pollutant	Contributing SWS	Contributing Regions	Affected Use
Not Applicable to this Region					

T = Aquatic Life Trout Waters

W = Warm Water Fishery

Table 2. Locations of abandoned mines (seep, deep mine, and/or leachate)

SWS
1054

Table 3a. Water quality data for dissolved aluminum

SWS	WQ Station	Avg (ug/L)	Min (ug/L)	Max (ug/L)	Count	Start Date	End Date
1000	1, WVO-4	16.90	15	27	10	09/04/03	10/21/03
1002	OG-000-002.8	48.33	36	69	3	08/02/00	08/08/02
1003	2, WVO-4	18.70	15	47	10	09/04/03	10/21/03
1018	OG-17m0.8	50.00	50	50	1	06/04/02	06/04/02
1029	OG-29m2.4	50.00	50	50	1	06/04/02	06/04/02
1033	OG-32-Em0.2	40.00	40	40	1	06/03/02	06/03/02
1033	OG-32-Fm	100.00	100	100	3	07/10/00	04/05/01
1033	OG-32-Fm0.2	50.00	50	50	1	05/30/02	05/30/02
1062	69	177.44	27	600	9	09/21/02	07/16/03
1065	OG-000-073.1	77.60	52	110	5	08/02/00	08/15/02
1066	3, WVOG-2	23.80	15	47	10	09/04/03	10/21/03

Table 3b. Water quality data for total aluminum

SWS	WQ Station	Avg (ug/L)	Min (ug/L)	Max (ug/L)	Count	Start Date	End Date
Region 4	1, WVO-4	605.00	135	1700	10	09/04/03	10/21/03
1002	550639	2611.60	50	19000	65	01/10/90	06/06/95
1002	OG-000-002.8	1788.82	71	8900	11	11/29/99	08/08/02
1002	WA96-G01	827.50	50	2400	12	03/21/96	11/24/98
1003	2, WVO-4	353.60	81	1440	10	09/04/03	10/21/03
1008	OG-6m0.1	354.00	354	354	1	05/18/98	05/18/98
1012	OG-9-Am0.3	84.90	84.9	84.9	1	05/21/98	05/21/98
1017	OG-14-Dm0.4	237.00	237	237	1	05/12/98	05/12/98
1027	OG-27-Hm1.8	248.00	248	248	1	05/27/98	05/27/98
1029	OG-29m2.4	60.00	60	60	1	06/04/02	06/04/02
1032	OG-30m1.2	139.00	139	139	1	05/13/98	05/13/98
1033	OG-32-Em0.2	120.00	120	120	1	06/03/02	06/03/02
1033	OG-32-Fm	122.50	50	240	4	05/27/98	04/05/01
1033	OG-32-Fm0.2	70.00	70	70	1	05/30/02	05/30/02
1041	OG-34-E-1m0.8	116.00	116	116	1	05/11/98	05/11/98
1048	OG-42-Cm0.2	66.70	66.7	66.7	1	05/11/98	05/11/98
1062	69	489.00	30	2400	10	09/21/02	07/16/03
1062	OG-51-G.5m	440.00	440	440	1	05/13/98	05/13/98
1063	OG-51.5m	1560.00	1560	1560	1	05/13/98	05/13/98
1064	OG-000-070.0	239.00	239	239	1	05/20/98	05/20/98
1065	OG-000-073.1	534.80	46	2000	15	02/09/99	08/15/02
1065	WA96-G02	590.68	56.5	1570	11	05/31/96	11/24/98
1066	3, WVOG-2	1147.70	132	4480	10	09/04/03	10/21/03
1400	OG-48m	903.00	903	903	1	05/06/98	05/06/98
1600	OG-53m	4650.00	4650	4650	1	05/13/98	05/13/98
1700	OG-61m	821.00	821	821	1	05/13/98	05/13/98

Table 3c. Water quality data for dissolved iron

SWS	WQ Station	Avg (ug/L)	Min (ug/L)	Max (ug/L)	Count	Start Date	End Date
1000	1, WVO-4	32.30	15	59	10	09/04/03	10/21/03
1000	OG-000.5-0002	28.00	28	28	1	03/22/00	03/22/00
1000	OG-000.5-0004	60.00	28	92	2	03/24/00	03/29/00
1000	OG-000.5-0005	20.00	20	20	1	03/29/00	03/29/00
1000	OG-000.5-0006	230.00	230	230	1	03/29/00	03/29/00
1002	OG-000-002.8	50.67	20	79	9	11/29/99	08/08/02
1003	2, WVO-4	27.80	15	86	10	09/04/03	10/21/03
1018	OG-17m0.8	120.00	120	120	1	06/04/02	06/04/02
1029	OG-29m2.4	20	20	20	1	04-Jun-02	04-Jun-02
1033	OG-32-Em0.2	40	40	40	1	03-Jun-02	03-Jun-02
1033	OG-32-Fm	20.33	20	21	3	10-Jul-00	05-Apr-01
1033	OG-32-Fm0.2	20	20	20	1	30-May-02	30-May-02
1062	69	370	60	1650	9	21-Sep-02	16-Jul-03
1065	OG-000-073.1	153.83	32	477	6	16-May-00	28-Nov-01
1066	3, WVOG-2	121.2	25	261	10	04-Sep-03	21-Oct-03

Table 3d. Water quality data for total iron

SWS	WQ Station	Avg (ug/L)	Min (ug/L)	Max (ug/L)	Count	Start Date	End Date
1000	1, WVO-4	997.70	367	2760	10	09/04/03	10/21/03
1000	OG-000.5-0001	138.50	77	200	2	03/22/00	03/29/00
1000	OG-000.5-0002	570.00	570	570	1	03/22/00	03/22/00
1000	OG-000.5-0003	295.00	200	390	2	03/24/00	03/29/00
1000	OG-000.5-0004	1395.00	490	2300	2	03/24/00	03/29/00
1000	OG-000.5-0005	810.00	810	810	1	03/29/00	03/29/00
1000	OG-000.5-0006	3400.00	3400	3400	1	03/29/00	03/29/00
1000	OG-000.5-0007	1195.00	390	2000	2	03/24/00	03/29/00
1002	550639	2197.72	25	14000	65	01/10/90	06/06/95
1002	OG-000-002.8	2119.27	53	12000	15	02/09/99	08/08/02
1002	WA96-G01	1396.67	319	4000	12	03/21/96	11/24/98
1003	2, WVO-4	660.10	281	2320	10	09/04/03	10/21/03
1008	OG-6m0.1	1030.00	1030	1030	1	05/18/98	05/18/98
1012	OG-9-Am0.3	174.00	174	174	1	05/21/98	05/21/98
1017	OG-14-Dm0.4	527.00	527	527	1	05/12/98	05/12/98
1018	OG-17m0.8	1090.00	1090	1090	1	06/04/02	06/04/02
1027	OG-27-Hm1.8	540.00	540	540	1	05/27/98	05/27/98
1029	OG-29m2.4	110.00	110	110	1	06/04/02	06/04/02
1032	OG-30m1.2	260.00	260	260	1	05/13/98	05/13/98
1033	OG-32-Em0.2	170.00	170	170	1	06/03/02	06/03/02
1033	OG-32-Fm	81.25	20	140	4	05/27/98	04/05/01
1033	OG-32-Fm0.2	80.00	80	80	1	05/30/02	05/30/02
1041	OG-34-E-1m0.8	192.00	192	192	1	05/11/98	05/11/98
1048	OG-42-Cm0.2	252.00	252	252	1	05/11/98	05/11/98
1062	69	1271.00	260	5240	10	09/21/02	07/16/03
1062	OG-51-G.5m	957.00	957	957	1	05/13/98	05/13/98
1063	OG-51.5m	681.00	681	681	1	05/13/98	05/13/98
1064	OG-000-070.0	535.00	535	535	1	05/20/98	05/20/98
1065	OG-000-073.1	777.14	247	1960	14	02/09/99	08/15/02

Table 3d. (Continued) Water quality data for total iron

SWS	WQ Station	Avg (ug/L)	Min (ug/L)	Max (ug/L)	Count	Start Date	End Date
1065	WA96-G02	923.00	250	3130	11	05/31/96	11/24/98
1066	3, WVOG-2	1806.50	804	3640	10	09/04/03	10/21/03
1400	OG-48m	920.00	920	920	1	05/06/98	05/06/98
1600	OG-53m	636.00	636	636	1	05/13/98	05/13/98
1700	OG-61m	1210.00	1210	1210	1	05/13/98	05/13/98

Table 3e. Water quality data for dissolved manganese

SWS	WQ Station	Avg (ug/L)	Min (ug/L)	Max (ug/L)	Count	Start Date	End Date
1000	OG-000.5-0001	55.00	55	55.0	1	03/29/00	03/29/00
1000	OG-000.5-0002	130.00	130	130.0	1	03/22/00	03/22/00
1000	OG-000.5-0004	1720.00	240	3200.0	2	03/24/00	03/29/00
1000	OG-000.5-0005	22.00	22	22.0	1	03/29/00	03/29/00
1000	OG-000.5-0006	640.00	640	640.0	1	03/29/00	03/29/00
1000	OG-000.5-0007	1925.00	350	3500.0	2	03/24/00	03/29/00
1002	OG-000-002.8	28.00	28	28.0	1	11/29/99	11/29/99
1062	69	119.00	60	180.0	10	09/21/02	07/16/03

Table 3f. Water quality data for total manganese

SWS	WQ Station	Avg (ug/L)	Min (ug/L)	Max (ug/L)	Count	Start Date	End Date
1000	OG-000.5-0001	41.5	24.00	59.0	2.0	3/22/2000	3/29/2000
1000	OG-000.5-0002	150.0	150.00	150.0	1.0	3/22/2000	3/22/2000
1000	OG-000.5-0004	1775.0	250.00	3300.0	2.0	3/24/2000	3/29/2000
1000	OG-000.5-0005	51.0	51.00	51.0	1.0	3/29/2000	3/29/2000
1000	OG-000.5-0006	650.0	650.00	650.0	1.0	3/29/2000	3/29/2000
1000	OG-000.5-0007	1930.0	360.00	3500.0	2.0	3/24/2000	3/29/2000
1002	550639	117.0	5.00	750.0	65.0	1/10/1990	6/6/1995
1002	OG-000-002.8	815.8	45.00	10600.0	15.0	2/9/1999	8/8/2002
1002	WA96-G01	118.6	38.00	286.0	12.0	3/21/1996	11/24/1998
1008	OG-6m0.1	531.0	531.00	531.0	1.0	5/18/1998	5/18/1998
1012	OG-9-Am0.3	51.2	51.20	51.2	1.0	5/21/1998	5/21/1998
1017	OG-14-Dm0.4	191.0	191.00	191.0	1.0	5/12/1998	5/12/1998
1018	OG-17m0.8	330.0	330.00	330.0	1.0	6/4/2002	6/4/2002
1027	OG-27-Hm1.8	34.3	34.30	34.3	1.0	5/27/1998	5/27/1998
1029	OG-29m2.4	20.0	20.00	20.0	1.0	6/4/2002	6/4/2002
1032	OG-30m1.2	26.8	26.80	26.8	1.0	5/13/1998	5/13/1998
1033	OG-32-Em0.2	20.0	20.00	20.0	1.0	6/3/2002	6/3/2002
1033	OG-32-Fm	17.5	10.00	20.0	4.0	5/27/1998	4/5/2001
1033	OG-32-Fm0.2	20.0	20.00	20.0	1.0	5/30/2002	5/30/2002
1041	OG-34-E-1m0.8	10.0	10.00	10.0	1.0	5/11/1998	5/11/1998
1048	OG-42-Cm0.2	49.3	49.30	49.3	1.0	5/11/1998	5/11/1998
1062	69	194.0	80.00	440.0	10.0	9/21/2002	7/16/2003
1062	OG-51-G.5m	258.0	258.00	258.0	1.0	5/13/1998	5/13/1998
1063	OG-51.5m	611.0	611.00	611.0	1.0	5/13/1998	5/13/1998
1064	OG-000-070.0	79.2	79.20	79.2	1.0	5/20/1998	5/20/1998
1065	OG-000-073.1	979.6	39.00	11600.0	15.0	2/9/1999	8/15/2002

Table 3f. (Continued) Water quality data for total manganese

SWS	WQ Station	Avg (ug/L)	Min (ug/L)	Max (ug/L)	Count	Start Date	End Date
1065	WA96-G02	90.2	54.70	152.0	11.0	5/31/1996	11/24/1998
1400	OG-48m	174.0	174.00	174.0	1.0	5/6/1998	5/6/1998
1600	OG-53m	726.0	726.00	726.0	1.0	5/13/1998	5/13/1998
1700	OG-61m	375.0	375.00	375.0	1.0	5/13/1998	5/13/1998

Table 3g. Water quality data for total selenium

SWS	WQ Station	Avg (ug/L)	Min (ug/L)	Max (ug/L)	Count	Start Date	End Date
1000	1, WVO-4	2.8	1.0	3.0	10.0	9/4/2003	10/21/2003
1003	2, WVO-4	2.8	1.0	3.0	10.0	9/4/2003	10/21/2003
1018	OG-17m0.8	5.0	5.0	5.0	1.0	6/4/2002	6/4/2002
1029	OG-29m2.4	5.0	5.0	5.0	1.0	6/4/2002	6/4/2002
1033	OG-32-Em0.2	5.0	5.0	5.0	1.0	6/3/2002	6/3/2002
1033	OG-32-Fm0.2	5.0	5.0	5.0	1.0	5/30/2002	5/30/2002
1066	3, WVOG-2	2.8	1.0	3.0	10.0	9/4/2003	10/21/2003

Table 3h. Water quality data for pH

SWS	WQ Station	Avg (ug/L)	Min (ug/L)	Max (ug/L)	Count	Start Date	End Date
1000	OG-000.5-0001	8.1	7.2	8.6	3.0	3/22/2000	5/24/2000
1000	OG-000.5-0002	8.2	8.2	8.2	1.0	3/22/2000	3/22/2000
1000	OG-000.5-0003	8.5	8.4	8.6	2.0	3/24/2000	3/29/2000
1000	OG-000.5-0004	8.0	8.0	8.0	2.0	3/24/2000	3/29/2000
1000	OG-000.5-0005	8.3	8.3	8.3	1.0	3/29/2000	3/29/2000
1000	OG-000.5-0006	7.7	7.7	7.7	1.0	3/29/2000	3/29/2000
1000	OG-000.5-0007	8.1	8.1	8.1	1.0	3/29/2000	3/29/2000
1002	550639	7.3	6.6	8.0	64.0	1/10/1990	6/6/1995
1002	OG-000-002.8	7.3	6.6	7.9	12.0	2/9/1999	8/8/2002
1002	WA96-G01	7.5	7.1	8.2	8.0	3/21/1996	11/24/1998
1004	OG-3-0.5Am	8.3	8.3	8.3	1.0	5/18/1998	5/18/1998
1004	OG-3m	8.3	8.3	8.3	1.0	5/18/1998	5/18/1998
1008	OG-6m0.1	7.8	7.8	7.8	1.0	5/18/1998	5/18/1998
1012	OG-9-Am0.3	7.8	7.8	7.8	1.0	5/21/1998	5/21/1998
1014	OG-10-Am	8.7	8.7	8.7	1.0	5/21/1998	5/21/1998
1014	OG-10m	8.7	8.7	8.7	1.0	5/21/1998	5/21/1998
1015	OG-11m	8.5	8.5	8.5	1.0	5/12/1998	5/12/1998
1017	OG-14-Dm0.4	8.5	8.5	8.5	1.0	5/12/1998	5/12/1998
1018	OG-17m0.8	4.6	4.6	4.6	1.0	6/4/2002	6/4/2002
1024	OG-23.5m	8.3	8.3	8.3	1.0	5/22/1998	5/22/1998
1027	OG-27-Am	8.3	8.3	8.3	1.0	5/22/1998	5/22/1998
1027	OG-27-Hm1.8	8.3	8.3	8.3	1.0	5/27/1998	5/27/1998
1027	OG-27m	8.3	8.3	8.3	1.0	5/22/1998	5/22/1998
1029	OG-29-Cm	8.3	8.3	8.3	1.0	5/13/1998	5/13/1998
1029	OG-29m2.4	4.0	4.0	4.0	1.0	6/4/2002	6/4/2002
1032	OG-30m1.2	8.2	8.2	8.2	1.0	5/13/1998	5/13/1998
1033	OG-32-Em0.2	3.7	3.7	3.7	1.0	6/3/2002	6/3/2002
1033	OG-32-Fm	6.0	5.0	8.2	4.0	5/27/1998	4/5/2001

Table 3h. (Continued) Water quality data for pH

SWS	WQ Station	Avg (ug/L)	Min (ug/L)	Max (ug/L)	Count	Start Date	End Date
1037	OG-34-Am	8.2	8.2	8.2	1.0	5/6/1998	5/6/1998
1037	OG-34m	8.2	8.2	8.2	1.0	5/6/1998	5/6/1998
1038	OG-34-Bm	8.2	8.2	8.2	1.0	5/6/1998	5/6/1998
1041	OG-34-E-1m	8.2	8.2	8.2	1.0	5/6/1998	5/6/1998
1041	OG-34-E-1m0.8	8.2	8.2	8.2	1.0	5/11/1998	5/11/1998
1043	WVOG-35	8.2	8.2	8.2	1.0	5/11/1998	5/11/1998
1044	OG-36m	8.1	8.0	8.2	2.0	5/4/1998	5/11/1998
1044	OG-37m	8.1	8.1	8.1	1.0	5/11/1998	5/11/1998
1047	OG-40m	8.1	8.1	8.1	1.0	5/11/1998	5/11/1998
1047	OG-41m	8.1	8.1	8.1	1.0	5/11/1998	5/11/1998
1048	OG-42-Am	8.1	8.1	8.1	1.0	5/11/1998	5/11/1998
1048	OG-42-Cm0.2	8.1	8.1	8.1	1.0	5/11/1998	5/11/1998
1048	OG-42-Dm	8.1	8.1	8.1	1.0	5/11/1998	5/11/1998
1048	OG-42-Em	8.1	8.1	8.1	1.0	5/11/1998	5/11/1998
1059	OG-50m	7.8	7.8	7.8	1.0	5/6/1998	5/6/1998
1062	69	7.5	7.2	7.9	10.0	9/21/2002	7/16/2003
1062	OG-51-Bm	7.8	7.8	7.8	1.0	5/6/1998	5/6/1998
1062	OG-51-G.5m	7.8	7.8	7.8	1.0	5/13/1998	5/13/1998
1063	OG-51.5m	7.8	7.8	7.8	1.0	5/13/1998	5/13/1998
1064	OG-000-070.0	7.6	7.6	7.6	1.0	5/20/1998	5/20/1998
1065	OG-000-073.1	7.5	7.1	8.0	12.0	2/9/1999	8/15/2002
1065	WA96-G02	7.6	7.2	7.9	9.0	8/30/1996	11/24/1998
1066	OG-59m	7.8	7.8	7.8	1.0	5/13/1998	5/13/1998
1067	OG-60m	7.8	7.8	7.8	1.0	5/13/1998	5/13/1998
1400	OG-48m	8.0	8.0	8.0	1.0	5/6/1998	5/6/1998
1600	OG-53m	7.8	7.8	7.8	1.0	5/13/1998	5/13/1998
1700	OG-61m	7.8	7.8	7.8	1.0	5/13/1998	5/13/1998

Table 3i. Water quality data for fecal coliforms

SWS	WQ Station	Avg (#/100 mL)	Min (#/100 mL)	Max (#/100 mL)	Count	Start Date	End Date
1000	OG-000.5-0001	773.0	91.0	1455.0	2.0	3/22/2000	3/29/2000
1000	OG-000.5-0002	12000.0	12000.0	12000.0	1.0	3/22/2000	3/22/2000
1000	OG-000.5-0004	15.0	10.0	20.0	2.0	3/24/2000	3/29/2000
1000	OG-000.5-0005	91.0	91.0	91.0	1.0	3/29/2000	3/29/2000
1000	OG-000.5-0007	90.0	90.0	90.0	1.0	3/29/2000	3/29/2000
1002	OG-000-002.8	1125.6	6.0	2400.0	12.0	5/26/1999	8/8/2002
1065	OG-000-073.1	2553.8	4.0	22000.0	12.0	5/26/1999	8/15/2002
1004	OG-3-0.5Am	210.0	210.0	210.0	1.0	5/18/1998	5/18/1998
1004	OG-3m	330.0	330.0	330.0	1.0	5/18/1998	5/18/1998
1008	OG-6m0.1	1900.0	1900.0	1900.0	1.0	5/18/1998	5/18/1998
1012	OG-9-Am0.3	3300.0	3300.0	3300.0	1.0	5/21/1998	5/21/1998
1014	OG-10-Am	900.0	900.0	900.0	1.0	5/21/1998	5/21/1998
1014	OG-10m	3000.0	3000.0	3000.0	1.0	5/21/1998	5/21/1998
1015	OG-11m	2000.0	2000.0	2000.0	1.0	5/12/1998	5/12/1998
1017	OG-14-Dm0.4	6400.0	6400.0	6400.0	1.0	5/12/1998	5/12/1998
1018	OG-17m0.8	6.0	6.0	6.0	1.0	6/4/2002	6/4/2002
1024	OG-23.5m	5000.0	5000.0	5000.0	1.0	5/22/1998	5/22/1998

Table 3i. (Continued) Water quality data for fecal coliforms

SWS	WQ Station	Avg (#/100 mL)	Min (#/100 mL)	Max (#/100 mL)	Count	Start Date	End Date
1027	OG-27-Am	740.0	740.0	740.0	1.0	5/22/1998	5/22/1998
1027	OG-27-Hm1.8	420.0	420.0	420.0	1.0	5/27/1998	5/27/1998
1027	OG-27m	70.0	70.0	70.0	1.0	5/22/1998	5/22/1998
1029	OG-29-Cm	30.0	30.0	30.0	1.0	5/13/1998	5/13/1998
1029	OG-29m2.4	2.0	2.0	2.0	1.0	6/4/2002	6/4/2002
1032	OG-30m1.2	3300.0	3300.0	3300.0	1.0	5/13/1998	5/13/1998
1033	OG-32-Em0.2	2.0	2.0	2.0	1.0	6/3/2002	6/3/2002
1033	OG-32-Fm	32.0	32.0	32.0	1.0	5/27/1998	5/27/1998
1033	OG-32-Fm0.2	2.0	2.0	2.0	1.0	5/30/2002	5/30/2002
1037	OG-34-Am	1300.0	1300.0	1300.0	1.0	5/6/1998	5/6/1998
1037	OG-34m	2000.0	2000.0	2000.0	1.0	5/6/1998	5/6/1998
1038	OG-34-Bm	2200.0	2200.0	2200.0	1.0	5/6/1998	5/6/1998
1041	OG-34-E-1m	6000.0	6000.0	6000.0	1.0	5/6/1998	5/6/1998
1041	OG-34-E-1m0.8	6.0	6.0	6.0	1.0	5/11/1998	5/11/1998
1043	WVOG-35	5600.0	5600.0	5600.0	1.0	5/11/1998	5/11/1998
1044	OG-36m	810.0	420.0	1200.0	2.0	5/4/1998	5/11/1998
1044	OG-37m	28.0	28.0	28.0	1.0	5/11/1998	5/11/1998
1047	OG-40m	380.0	380.0	380.0	1.0	5/11/1998	5/11/1998
1047	OG-41m	4200.0	4200.0	4200.0	1.0	5/11/1998	5/11/1998
1048	OG-42-Am	20000.0	20000.0	20000.0	1.0	5/11/1998	5/11/1998
1048	OG-42-Cm0.2	6400.0	6400.0	6400.0	1.0	5/11/1998	5/11/1998
1048	OG-42-Dm	3200.0	3200.0	3200.0	1.0	5/11/1998	5/11/1998
1048	OG-42-Em	230.0	230.0	230.0	1.0	5/11/1998	5/11/1998
1059	OG-50m	52.0	52.0	52.0	1.0	5/6/1998	5/6/1998
1062	OG-51-Bm	4200.0	4200.0	4200.0	1.0	5/6/1998	5/6/1998
1062	OG-51-G.5m	150.0	150.0	150.0	1.0	5/13/1998	5/13/1998
1063	OG-51.5m	2000.0	2000.0	2000.0	1.0	5/13/1998	5/13/1998
1066	OG-59m	3800.0	3800.0	3800.0	1.0	5/13/1998	5/13/1998
1067	OG-60m	240.0	240.0	240.0	1.0	5/13/1998	5/13/1998
1400	OG-48m	44.0	44.0	44.0	1.0	5/6/1998	5/6/1998
1600	OG-53m	20.0	20.0	20.0	1.0	5/13/1998	5/13/1998
1700	OG-61m	150.0	150.0	150.0	1.0	5/13/1998	5/13/1998
1002	550639	3110.7	20.0	25000.0	63.0	1/10/1990	6/6/1995
1002	WA96-G01	6054.5	320.0	22000.0	11.0	3/21/1996	11/24/1998
1065	WA96-G02	4055.6	12.0	16000.0	11.0	5/31/1996	11/24/1998

Table 4a. Iron baseline conditions and allocations (WLAs) for permitted mining point sources

SWS	NPDES Permit ID	Baseline (lb/yr)	Allocation (lb/yr)	Allocation (mg/L)	% Reduction
1053	WV1004000	23	23	3.20	0

Table 4b. Manganese baseline conditions and allocations (WLAs) for permitted mining point sources

SWS	NPDES Permit ID	Baseline (lb/yr)	Allocation (lb/yr)	Allocation (mg/L)	% Reduction
1053	WV1004000	13	13	2.00	0

Table 4c. ALuminum baseline conditions and allocations (WLAs) for permitted mining point sources

SWS	NPDES Permit ID	Baseline (lb/yr)	Allocation (lb/yr)	Allocation (mg/L)	% Reduction
1053	WV1004000	23	23	3.27	0

Table 5a. Iron baseline conditions and allocations (LAs) for nonpoint sources * Othen Nonpoint Sources include: Forest, Wetland, Agriculture, Pasture, and Urban)

SWS	AML		Revoked Mines		Roads		Oil and Gas Wells		Harvested Forest		Barren Land		Other Non-Point Sources		Requires Reduction
	Baseline Load (lb/yr)	Allocated Load (lb/yr)	Baseline Load (lb/yr)	Allocated Load (lb/yr)	Baseline Load (lb/yr)	Allocated Load (lb/yr)	Baseline Load (lb/yr)	Allocated Load (lb/yr)	Baseline Load (lb/yr)	Allocated Load (lb/yr)	Baseline Load (lb/yr)	Allocated Load (lb/yr)	Baseline Load (lb/yr)	Allocated Load (lb/yr)	
1050	0	0	0	0	7	7	2	2	0	0	396	396	6	6	
1051	0	0	0	0	79	79	23	23	0	0	664	664	258	258	
1052	0	0	0	0	118	118	27	27	0	0	224	224	252	252	
1053	0	0	0	0	116	116	25	25	14	14	243	243	294	294	
1054	53	53	0	0	175	175	55	55	0	0	7,305	7,305	485	485	

Table 5b. Manganese baseline conditions and allocations (LAs) for nonpoint sources * Othen Nonpoint Sources include: Forest, Wetland, Agriculture, Pasture, and Urban)

SWS	AML		Revoked Mines		Roads		Oil and Gas Wells		Harvested Forest		Barren Land		Other Non-Point Sources		Requires Reduction
	Baseline Load (lb/yr)	Allocated Load (lb/yr)	Baseline Load (lb/yr)	Allocated Load (lb/yr)	Baseline Load (lb/yr)	Allocated Load (lb/yr)	Baseline Load (lb/yr)	Allocated Load (lb/yr)	Baseline Load (lb/yr)	Allocated Load (lb/yr)	Baseline Load (lb/yr)	Allocated Load (lb/yr)	Baseline Load (lb/yr)	Allocated Load (lb/yr)	
1050	0	0	0	0	3	3	1	1	0	0	149	149	20	20	
Appendix A-	0	0	0	0	28	28	9	9	0	0	251	251	847	847	
1052	0	0	0	0	43	43	10	10	0	0	85	85	809	809	
Region 4	0	0	0	0	41	41	10	10	14	14	92	92	971	971	
1054	300	300	0	0	62	62	21	21	0	0	2,755	2,755	1,582	1,582	

Table 5c. Aluminum baseline conditions and allocations (LAs) for nonpoint sources

SWS	AML		Revoked Mines		Roads		Oil and Gas Wells		Harvested Forest		Barren Land		Other Non-Point Sources		Requires Reduction
	Baseline Load (lb/yr)	Allocated Load (lb/yr)	Baseline Load (lb/yr)	Allocated Load (lb/yr)	Baseline Load (lb/yr)	Allocated Load (lb/yr)	Baseline Load (lb/yr)	Allocated Load (lb/yr)	Baseline Load (lb/yr)	Allocated Load (lb/yr)	Baseline Load (lb/yr)	Allocated Load (lb/yr)	Baseline Load (lb/yr)	Allocated Load (lb/yr)	
1050	0	0	0	0	5	5	1	1	0	0	273	273	9	9	
1051	0	0	0	0	51	51	16	16	0	0	458	458	382	382	
1052	0	0	0	0	79	79	19	19	0	0	155	155	372	372	
1053	0	0	0	0	75	75	18	18	10	10	167	167	434	434	
1054	776	776	0	0	114	114	38	38	0	0	5,039	5,039	717	717	

Table 6. Fecal Coliform baseline and allocations

SWS	Stream	Agriculture		Natural Sources		Failing Septics		Residential	
		Baseline Load (counts)	Allocated Load (count)	Baseline Load (count)	Allocated Load (count)	Baseline Load (count)	Allocated Load (count)	Baseline Load (count)	Allocated Load (count)
1050	Big Harts Creek	1.57E+13	1.10E+13	8.80E+12	8.80E+12	3.10E+14	0.00E+00	5.11E+11	3.58E+11