Appendix A-6
Region 6

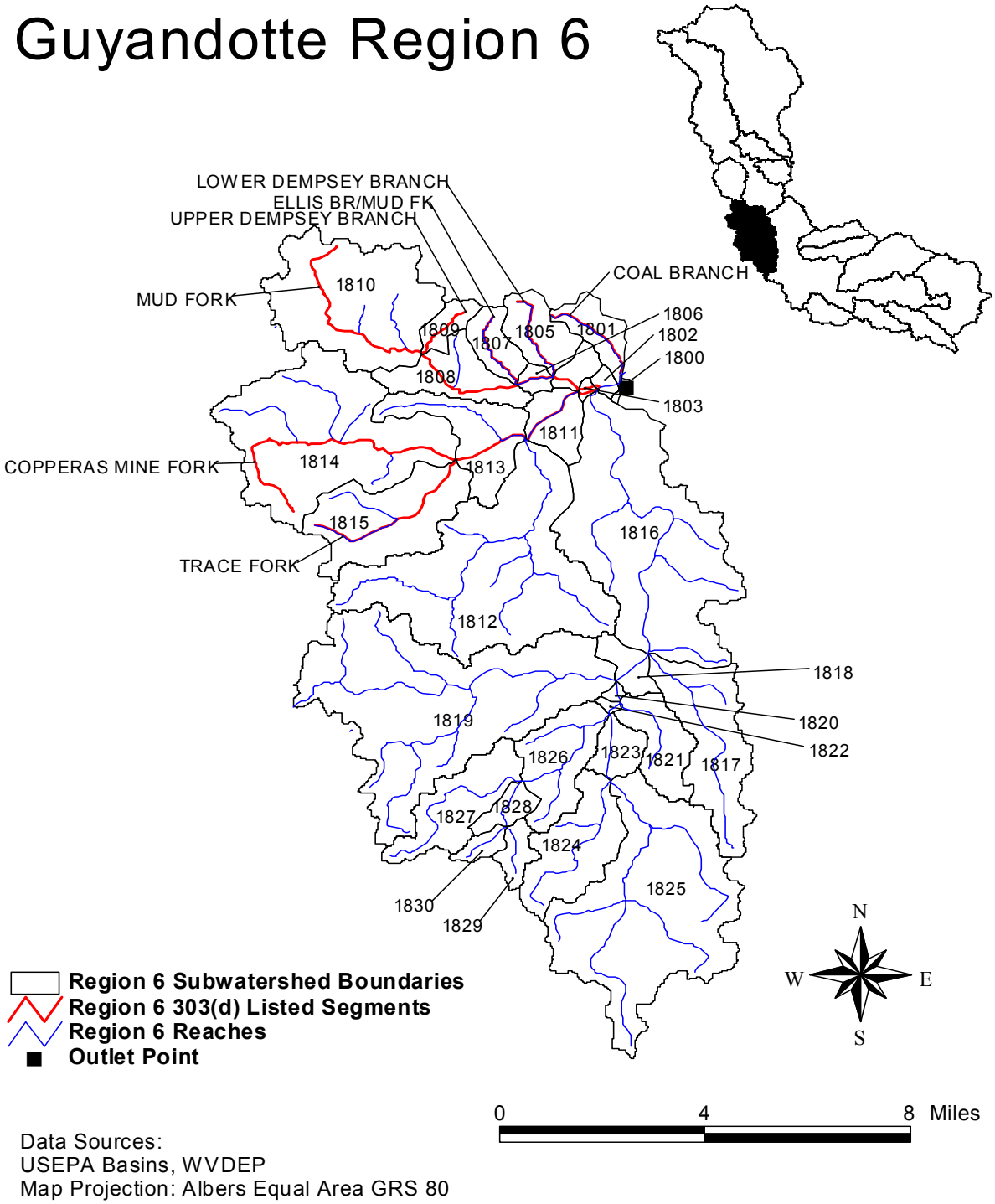

Figure 1. Region 6 - Guyandotte Watershed

Table 1. Impaired waterbodies in Region 6

Stream Name	Stream Code	Pollutant	Contributing SWS	Contributing Regions	Affected Use
Coal Branch of Island Creek	OG-65-A	Metals, pH	1801		Aquatic Life, Human Health
Copperas Mine Fork	OG-65-B	Metals, pH	1803, 1811, 1813, 1814		Aquatic Life, Human Health
Ellis Branch of Mud Fork	OG-65-B-1-B	Metals, pH	1807		Aquatic Life, Human Health
Lower Dempsey Branch	OG-65-B-1-A	Metals, pH	1805		Aquatic Life, Human Health
Mud Fork	OG-65-B-1	Metals, pH	1804, 1806, 1808, 1810		Aquatic Life, Human Health
Trace Fork of Copperas Mine Fork	OG-65-B-4	Metals, pH	1815		Aquatic Life, Human Health
Upper Dempsey Branch	OG-65-B-1-E	Metals, pH	1809		Aquatic Life, Human Health

T = Aquatic Life Trout Waters

W = Warm Water Fishery

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

SWS
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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
1801	54	150.89	50	500	9	10/05/02	07/17/03
1801	OG-65-Am	100.00	100	100	1	08/22/00	08/22/00
1802	OG-65m0	100.00	100	100	1	08/22/00	08/22/00
1803	OG-65-Bm	100.00	100	100	1	08/22/00	08/22/00
1804	OG-65-B-1m	100.00	100	100	1	08/23/00	08/23/00
1805	OG-065-0008	190.00	190	190	1	08/23/00	08/23/00
1807	OG-65-B-1-Bm	100.00	100	100	1	08/23/00	08/23/00
1810	OG-65-B-1-Fm0	100.00	100	100	1	08/23/00	08/23/00
1811	52	216.56	56	500	9	10/05/02	07/17/03
1812	OG-65-B-2m0.5	100.00	100	100	1	08/22/00	08/22/00
1815	OG-65-B-4m	100.00	100	100	1	08/22/00	08/22/00
1816	OG-65m3.5	100.00	100	100	1	08/21/00	08/21/00
1819	OG-65-H-1m	100.00	100	100	1	08/21/00	08/21/00
1820	OG-65m9.6	100.00	100	100	1	08/21/00	08/21/00
1821	38	201.10	62	500	10	09/20/02	07/02/03
1830	11, WVOG-65-J-3-A	15.50	15	20	10	09/02/03	10/20/03

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
1801	54	704.22	238	1300	9	10/05/02	07/17/03
1801	OG-65-Am	3000.00	3000	3000	1	08/22/00	08/22/00
1802	OG-65m0	100.00	100	100	1	08/22/00	08/22/00
1803	OG-65-Bm	200.00	200	200	1	08/22/00	08/22/00
1804	OG-065-0006	1800.00	1800	1800	1	08/23/00	08/23/00
1804	OG-065-0007	11000.00	11000	11000	1	08/23/00	08/23/00
1805	OG-065-0008	3700.00	3700	3700	1	08/23/00	08/23/00
1807	OG-065-0009	290.00	290	290	1	08/23/00	08/23/00
1810	OG-65-B-1-Fm0	100.00	100	100	1	08/23/00	08/23/00
1811	52	1020.33	204	3900	9	10/05/02	07/17/03
1812	OG-65-B-2m0.5	100.00	100	100	1	08/22/00	08/22/00
1815	OG-065-0013	3000.00	3000	3000	1	08/22/00	08/22/00
1816	OG-65m3.5	100.00	100	100	1	08/21/00	08/21/00
1819	OG-65-H-1m	100.00	100	100	1	08/21/00	08/21/00
1820	OG-65m9.6	100.00	100	100	1	08/21/00	08/21/00
1821	38	395.00	154	700	10	09/20/02	07/02/03
1830	11, WVOG-65-J-3-A	171.50	26	452	10	09/02/03	10/20/03

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
1801	54	196.67	70	490	6	10/05/02	07/17/03
1801	OG-065-0004	130.00	130	130	1	08/22/00	08/22/00
1802	OG-65m0	20.00	20	20	1	08/22/00	08/22/00
1804	OG-065-0006	94.00	94	94	1	08/23/00	08/23/00
1805	OG-065-0008	440.00	440	440	1	08/23/00	08/23/00
1805	OG-65-B-1-Am	440.00	440	440	1	08/23/00	08/23/00
1807	OG-65-B-1-Bm	20.00	20	20	1	08/23/00	08/23/00
1811	52	386.25	70	1010	8	10/05/02	07/17/03
1812	OG-65-B-2m0.5	20.00	20	20	1	08/22/00	08/22/00
1815	OG-065-0013	23.00	23	23	1	08/22/00	08/22/00
1816	OG-65m3.5	20.00	20	20	1	08/21/00	08/21/00
1819	OG-65-H-1m	20.00	20	20	1	08/21/00	08/21/00
1820	OG-65m9.6	20	20	20	1	21-Aug-00	21-Aug-00
1821	38	95	60	130	2	20-Sep-02	02-Jul-03
1830	11, WVOG-65-J-3-A	15.80	15	23	10	02-Sep-03	20-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
1801	54	671.00	530	1020	10	10/05/02	07/17/03
1801	OG-065-0004	260.00	260	260	1	08/22/00	08/22/00
1802	OG-065-0001	740.00	740	740	1	08/22/00	08/22/00
1804	OG-065-0006	540.00	540	540	1	08/23/00	08/23/00
1804	OG-065-0007	50.00	50	50	1	08/23/00	08/23/00
1804	OG-65-B-1-0.2	50.00	50	50	1	08/23/00	08/23/00
1805	OG-065-0008	990.00	990	990	1	08/23/00	08/23/00
1807	OG-065-0009	140.00	140	140	1	08/23/00	08/23/00
1809	OG-65-B-1-Em	460.00	460	460	1	08/23/00	08/23/00
1811	52	1175.00	70	4420	10	10/05/02	07/17/03
1812	OG-065-0012	180.00	180	180	1	08/22/00	08/22/00
1815	OG-065-0013	2600.00	2600	2600	1	08/22/00	08/22/00
1816	OG-065-0002	480.00	480	480	1	08/21/00	08/21/00
1819	OG-065-0017	50.00	50	50	1	08/21/00	08/21/00
1819	OG-65-H-1m	50.00	50	50	1	08/21/00	08/21/00
1820	OG-065-0003	110.00	110	110	1	08/21/00	08/21/00
1821	38	188.89	60	590	9	09/20/02	07/02/03
1830	11, WVOG-65-J-3-A	569.50	97	1410	10	09/02/03	10/20/03

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
1801	54	203.00	110	350.0	10	10/05/02	07/17/03
1811	52	204.00	80	300.0	10	10/05/02	07/17/03
1815	OG-065-0013	500.00	500	500.0	1	08/22/00	08/22/00
1821	38	72.50	60	100.0	4	09/20/02	07/02/03

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
1801	54	227.0	120.00	390.0	10.0	10/5/2002	7/17/2003
1801	OG-065-0004	590.0	590.00	590.0	1.0	8/22/2000	8/22/2000
1802	OG-065-0001	150.0	150.00	150.0	1.0	8/22/2000	8/22/2000
1804	OG-065-0006	1400.0	1400.00	1400.0	1.0	8/23/2000	8/23/2000
1804	OG-065-0007	2000.0	2000.00	2000.0	1.0	8/23/2000	8/23/2000
1805	OG-065-0008	1600.0	1600.00	1600.0	1.0	8/23/2000	8/23/2000
1807	OG-065-0009	780.0	780.00	780.0	1.0	8/23/2000	8/23/2000
1810	OG-65-B-1-Fm0	44.0	44.00	44.0	1.0	8/23/2000	8/23/2000
1811	52	244.4	170.00	320.0	9.0	10/5/2002	7/17/2003
1812	OG-065-0012	41.0	41.00	41.0	1.0	8/22/2000	8/22/2000
1815	OG-065-0013	570.0	570.00	570.0	1.0	8/22/2000	8/22/2000
1816	OG-065-0002	150.0	150.00	150.0	1.0	8/21/2000	8/21/2000
1816	OG-65m3.5	75.0	75.00	75.0	1.0	8/21/2000	8/21/2000
1819	OG-065-0017	88.0	88.00	88.0	1.0	8/21/2000	8/21/2000
1820	OG-065-0003	27.0	27.00	27.0	1.0	8/21/2000	8/21/2000
1821	38	78.8	30.00	150.0	8.0	9/20/2002	7/2/2003

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
1830	11, WVOG-65-J-3-A	2.9	2.0	3.0	10.0	9/2/2003	10/20/2003

Table 3h. Water quality data for pH

SWS	WQ Station	Avg (ug/L)	Min (ug/L)	Max (ug/L)	Count	Start Date	End Date
1801	54	7.78	6.97	8.54	10	10/05/02	07/17/03
1801	OG-065-0004	7.00	7	7	1	08/22/00	08/22/00
1801	OG-65-Am	7.44	7.44	7.44	1	08/22/00	08/22/00
1802	OG-065-0001	7.40	7.4	7.4	1	08/22/00	08/22/00
1802	OG-65m0	7.48	7.48	7.48	1	08/22/00	08/22/00
1803	OG-65-Bm	7.41	7.41	7.41	1	08/22/00	08/22/00
1804	OG-065-0006	7.22	7.22	7.22	1	08/23/00	08/23/00
1804	OG-065-0007	4.20	4.2	4.2	1	08/23/00	08/23/00
1804	OG-65-B-1-0.2	7.40	7.4	7.4	1	08/23/00	08/23/00
1804	OG-65-B-1m	7.41	7.41	7.41	1	08/23/00	08/23/00
1805	OG-065-0008	5.62	5.62	5.62	1	08/23/00	08/23/00
1805	OG-65-B-1-Am	7.40	7.4	7.4	1	08/23/00	08/23/00
1807	OG-065-0009	5.94	5.94	5.94	1	08/23/00	08/23/00
1807	OG-65-B-1-Bm	7.40	7.4	7.4	1	08/23/00	08/23/00
1809	OG-65-B-1-Em	7.40	7.4	7.4	1	08/23/00	08/23/00
1810	OG-65-B-1-Fm0	7.40	7.4	7.4	1	08/23/00	08/23/00
1811	52	7.60	6.86	8.09	10	10/05/02	07/17/03
1812	OG-065-0012	7.44	7.44	7.44	1	08/22/00	08/22/00
1812	OG-65-B-2m0.5	7.4	7.4	7.4	1.0	8/22/2000	8/22/2000
1814	OG-065-0014	7.5	7.5	7.5	1.0	8/22/2000	8/22/2000
1814	OG-065-0015	7.8	7.8	7.8	1.0	8/22/2000	8/22/2000
1814	OG-65-B-5m	7.4	7.4	7.4	1.0	8/22/2000	8/22/2000
1814	OG-65-B-8m	7.4	7.4	7.4	1.0	8/22/2000	8/22/2000
1815	OG-065-0013	7.3	7.3	7.3	1.0	8/22/2000	8/22/2000
1815	OG-65-B-4m	7.4	7.4	7.4	1.0	8/22/2000	8/22/2000
1816	OG-065-0002	7.2	7.2	7.2	1.0	8/21/2000	8/21/2000
1816	OG-065-0016	7.4	7.4	7.4	1.0	8/21/2000	8/21/2000
1816	OG-65-Cm	7.4	7.4	7.4	1.0	8/21/2000	8/21/2000
1816	OG-65m3.5	7.5	7.5	7.5	1.0	8/21/2000	8/21/2000
1819	OG-065-0017	6.5	6.5	6.5	1.0	8/21/2000	8/21/2000
1819	OG-065-0018	7.4	7.4	7.4	1.0	8/21/2000	8/21/2000
1819	OG-65-H-1m	7.4	7.4	7.4	1.0	8/21/2000	8/21/2000
1819	OG-65-H-2m	7.4	7.4	7.4	1.0	8/21/2000	8/21/2000
1820	OG-065-0003	7.5	7.5	7.5	1.0	8/21/2000	8/21/2000
1820	OG-65m9.6	7.4	7.4	7.4	1.0	8/21/2000	8/21/2000
1821	38	8.0	7.1	8.7	10.0	9/20/2002	7/2/2003
1825	OG-065-0020	8.5	8.5	8.5	1.0	8/21/2000	8/21/2000
1825	OG-65-L.5m	7.4	7.4	7.4	1.0	8/21/2000	8/21/2000
1826	OG-65-Jm	7.4	7.4	7.4	1.0	8/21/2000	8/21/2000

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
1801	OG-065-0004	32000.0	32000.0	32000.0	1.0	8/22/2000	8/22/2000
1802	OG-065-0001	37000.0	37000.0	37000.0	1.0	8/22/2000	8/22/2000
1804	OG-065-0006	12000.0	12000.0	12000.0	1.0	8/23/2000	8/23/2000
1805	OG-065-0008	160.0	160.0	160.0	1.0	8/23/2000	8/23/2000
1807	OG-065-0009	73.0	73.0	73.0	1.0	8/23/2000	8/23/2000
1812	OG-065-0012	52000.0	52000.0	52000.0	1.0	8/22/2000	8/22/2000
1814	OG-065-0014	9000.0	9000.0	9000.0	1.0	8/22/2000	8/22/2000
1814	OG-065-0015	910.0	910.0	910.0	1.0	8/22/2000	8/22/2000
1815	OG-065-0013	13000.0	13000.0	13000.0	1.0	8/22/2000	8/22/2000
1816	OG-065-0002	2300.0	2300.0	2300.0	1.0	8/21/2000	8/21/2000
1816	OG-065-0016	560.0	560.0	560.0	1.0	8/21/2000	8/21/2000
1819	OG-065-0017	36.0	36.0	36.0	1.0	8/21/2000	8/21/2000
1819	OG-065-0018	10.0	10.0	10.0	1.0	8/21/2000	8/21/2000
1820	OG-065-0003	1300.0	1300.0	1300.0	1.0	8/21/2000	8/21/2000
1825	OG-065-0020	1800.0	1800.0	1800.0	1.0	8/21/2000	8/21/2000
1809	OG-65-B-1-Em	200.0	200.0	200.0	1.0	8/23/2000	8/23/2000
1810	OG-65-B-1-Fm0	20000.0	20000.0	20000.0	1.0	8/23/2000	8/23/2000
1815	OG-65-B-4m	13000.0	13000.0	13000.0	1.0	8/22/2000	8/22/2000

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
1812	WV0095753	1,970	1,477	2.40	25
1812	WV0095885	2,110	1,582	2.40	25
1812	WV0095991	5,389	4,042	2.40	25
1812	WV0099252	3,076	2,307	2.40	25
1812	WV1003712	3,082	2,312	2.40	25
1812	WV1005111	2,586	1,939	2.40	25
1812	WV1008277	5,712	4,284	2.40	25
1812	WV1008285	2,417	1,813	2.40	25
1813	WV0095885	1,432	1,432	3.20	0
1813	WV0095991	1,775	1,775	3.20	0
1814	WV0092649	6,987	4,751	2.18	32
1814	WV0096083	158	107	2.18	32
1814	WV1007939	723	492	2.18	32
1814	WV1008170	812	552	2.18	32
1814	WV1008251	6,445	4,383	2.18	32
1815	WV0045608	2,341	1,404	1.92	40
1815	WV0095885	1,595	957	1.92	40
1815	WV0096083	83	50	1.92	40
1815	WV1003712	2,696	1,617	1.92	40
1815	WV1008277	4,856	2,914	1.92	40
1815	WV1008285	1,827	1,096	1.92	40
1815	WV1011022	480	288	1.92	40
1816	WV1011073	237	237	3.20	0
1816	WV1020366	1,769	1,769	3.20	0
1817	WV0057797	183	119	2.08	35
1817	WV1020366	969	630	2.08	35
1819	WV0053091	2,049	1,639	2.56	20
1819	WV0060801	255	204	2.56	20
1819	WV0064858	1,970	1,576	2.56	20
1819	WV0068764	5,696	4,557	2.56	20
1819	WV0090174	313	250	2.56	20
1819	WV0095753	423	338	2.56	20
1819	WV0095966	185	148	2.56	20
1819	WV1004727	45	36	2.56	20
1819	WV1005111	66	53	2.56	20
1819	WV1008145	844	675	2.56	20
1819	WV1015800	420	336	2.56	20
1819	WV1015923	4,040	3,232	2.56	20
1819	WV1016865	123	98	2.56	20
1821	WV0066630	618	618	3.20	0
1823	WV0057797	131	131	3.20	0
1824	WV0050865	70	49	2.24	30
1824	WV0066630	1,133	793	2.24	30
1824	WV1015478	1,225	857	2.24	30
1824	WV1019988	4,195	2,937	2.24	30
1825	WV0057797	277	249	2.88	10
1825	WV0066630	1,127	1,015	2.88	10
1825	WV1004271	29	27	2.88	10
1825	WV1011138	112	101	2.88	10
1825	WV1013246	239	215	2.88	10
1825	WV1013343	216	194	2.88	10
1825	WV1013505	4,814	4,333	2.88	10
1825	WV1019988	3,339	3,005	2.88	10
1826	WV0096229	216	216	3.20	0
1826	WV1019988	386	386	3.20	0

Table 4a. (Continued) 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
1827	WV0092797	478	287	1.92	40
1827	WV0096229	112	67	1.92	40
1827	WV1003984	51	31	1.92	40
1827	WV1005120	1,324	794	1.92	40
1827	WV1008081	3,742	2,245	1.92	40
1827	WV1015907	154	92	1.92	40
1828	WV1008081	777	622	2.56	20
1829	WV1015478	1,427	685	1.54	52
1830	WV1003984	58	28	1.54	52
1830	WV1005120	747	359	1.54	52
1830	WV1008081	1,006	483	1.54	52
1830	WV1015478	1,319	633	1.54	52

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
1812	WV0095753	803	803	2.00	0
1812	WV0095885	860	860	2.00	0
1812	WV0095991	2,196	2,196	2.00	0
1812	WV0099252	1,253	1,253	2.00	0
1812	WV1003712	1,256	1,256	2.00	0
1812	WV1005111	1,053	1,053	2.00	0
1812	WV1008277	2,327	2,327	2.00	0
1812	WV1008285	985	985	2.00	0
1813	WV0095885	573	573	2.00	0
1813	WV0095991	710	710	2.00	0
1814	WV0092649	3,090	3,090	2.00	0
1814	WV0096083	70	70	2.00	0
1814	WV1007939	320	320	2.00	0
1814	WV1008170	359	359	2.00	0
1814	WV1008251	2,850	2,850	2.00	0
1815	WV0045608	981	981	2.00	0
1815	WV0095885	669	669	2.00	0
1815	WV0096083	35	35	2.00	0
1815	WV1003712	1,130	1,130	2.00	0
1815	WV1008277	2,036	2,036	2.00	0
1815	WV1008285	766	766	2.00	0
1815	WV1011022	201	201	2.00	0
1816	WV1011073	99	99	2.00	0
1816	WV1020366	736	736	2.00	0
1817	WV0057797	77	77	2.00	0
1817	WV1020366	409	409	2.00	0
1819	WV0053091	934	934	2.00	0
1819	WV0060801	116	116	2.00	0
1819	WV0064858	898	898	2.00	0
1819	WV0068764	2,595	2,595	2.00	0
1819	WV0090174	142	142	2.00	0
1819	WV0095753	193	193	2.00	0
1819	WV0095966	84	84	2.00	0
1819	WV1004727	20	20	2.00	0
1819	WV1005111	30	30	2.00	0
1819	WV1008145	384	384	2.00	0
1819	WV1015800	192	192	2.00	0
1819	WV1015923	1,840	1,840	2.00	0

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

SWS	NPDES Permit ID	Baseline (lb/yr)	Allocation (lb/yr)	Allocation (mg/L)	% Reduction
1819	WV1016865	56	56	2.00	0
1821	WV0066630	315	315	2.00	0
1823	WV0057797	77	77	2.00	0
1824	WV0050865	29	29	2.00	0
1824	WV0066630	472	472	2.00	0
1824	WV1015478	510	510	2.00	0
1824	WV1019988	1,747	1,747	2.00	0
1825	WV0057797	116	116	2.00	0
1825	WV0066630	472	472	2.00	0
1825	WV1004271	12	12	2.00	0
1825	WV1011138	47	47	2.00	0
1825	WV1013246	100	100	2.00	0
1825	WV1013343	90	90	2.00	0
1825	WV1013505	2,015	2,015	2.00	0
1825	WV1019988	1,398	1,398	2.00	0
1826	WV0096229	98	98	2.00	0
1826	WV1019988	175	175	2.00	0
1827	WV0092797	209	209	2.00	0
1827	WV0096229	49	49	2.00	0
1827	WV1003984	22	22	2.00	0
1827	WV1005120	578	578	2.00	0
1827	WV1008081	1,633	1,633	2.00	0
1827	WV1015907	67	67	2.00	0
1828	WV1008081	311	311	2.00	0
1829	WV1015478	510	510	2.00	0
1830	WV1003984	22	22	2.00	0
1830	WV1005120	289	289	2.00	0
1830	WV1008081	389	389	2.00	0
1830	WV1015478	510	510	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
1812	WV0095753	2,013	2,013	3.27	0
1812	WV0095885	2,156	2,156	3.27	0
1812	WV0095991	5,507	5,507	3.27	0
1812	WV0099252	3,143	3,143	3.27	0
1812	WV1003712	3,149	3,149	3.27	0
1812	WV1005111	2,642	2,642	3.27	0
1812	WV1008277	5,836	5,836	3.27	0
1812	WV1008285	2,470	2,470	3.27	0
1813	WV0095885	1,463	1,463	3.27	0
1813	WV0095991	1,813	1,813	3.27	0
1814	WV0092649	7,140	7,140	3.27	0
1814	WV0096083	161	161	3.27	0
1814	WV1007939	739	739	3.27	0
1814	WV1008170	830	830	3.27	0
1814	WV1008251	6,585	6,585	3.27	0
1815	WV0045608	2,392	2,392	3.27	0
1815	WV0095885	1,629	1,629	3.27	0
1815	WV0096083	85	85	3.27	0
1815	WV1003712	2,754	2,754	3.27	0
1815	WV1008277	4,962	4,962	3.27	0
1815	WV1008285	1,867	1,867	3.27	0

Table 4c. Continued) 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
1815	WV1011022	490	490	3.27	0
1816	WV1011073	242	242	3.27	0
1816	WV1020366	1,807	1,807	3.27	0
1817	WV0057797	187	187	3.27	0
1817	WV1020366	990	990	3.27	0
1819	WV0053091	2,094	2,094	3.27	0
1819	WV0060801	260	260	3.27	0
1819	WV0064858	2,013	2,013	3.27	0
1819	WV0068764	5,821	5,821	3.27	0
1819	WV0090174	320	320	3.27	0
1819	WV0095753	432	432	3.27	0
1819	WV0095966	189	189	3.27	0
1819	WV1004727	46	46	3.27	0
1819	WV1005111	68	68	3.27	0
1819	WV1008145	862	862	3.27	0
1819	WV1015800	430	430	3.27	0
1819	WV1015923	4,128	4,128	3.27	0
1819	WV1016865	126	126	3.27	0
1821	WV0066630	632	632	3.27	0
1823	WV0057797	134	134	3.27	0
1824	WV0050865	71	71	3.27	0
1824	WV0066630	1,158	1,158	3.27	0
1824	WV1015478	1,252	1,252	3.27	0
1824	WV1019988	4,287	4,287	3.27	0
1825	WV0057797	283	283	3.27	0
1825	WV0066630	1,152	1,152	3.27	0
1825	WV1004271	30	30	3.27	0
1825	WV1011138	114	114	3.27	0
1825	WV1013246	244	244	3.27	0
1825	WV1013343	220	220	3.27	0
1825	WV1013505	4,919	4,919	3.27	0
1825	WV1019988	3,412	3,412	3.27	0
1826	WV0096229	221	221	3.27	0
1826	WV1019988	395	395	3.27	0
1827	WV0092797	488	488	3.27	0
1827	WV0096229	114	114	3.27	0
1827	WV1003984	52	52	3.27	0
1827	WV1005120	1,353	1,353	3.27	0
1827	WV1008081	3,824	3,824	3.27	0
1827	WV1015907	157	157	3.27	0
1828	WV1008081	794	794	3.27	0
1829	WV1015478	1,399	1,399	3.27	0
1830	WV1003984	57	57	3.27	0
1830	WV1005120	738	738	3.27	0
1830	WV1008081	993	993	3.27	0
1830	WV1015478	1,303	1,303	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)	
1800	0	0	0	0	3	3	0	0	0	0	76	76	2	2	
1801	742	148	0	0	36	36	0	0	0	0	0	0	182	182	x
1802	83	83	0	0	20	20	0	0	0	0	15	15	29	29	
1803	0	0	0	0	9	9	0	0	0	0	54	54	6	6	
1804	452	452	0	0	42	42	0	0	0	0	2	2	148	148	
1805	1,147	229	0	0	34	34	1	1	0	0	1	1	252	252	x
1806	747	523	0	0	31	31	0	0	0	0	0	0	133	133	x
1807	1,743	523	0	0	84	84	0	0	0	0	101	101	120	120	x
1808	4,927	1,478	0	0	95	95	1	1	0	0	0	0	341	341	x
1809	324	55	0	0	7	7	0	0	0	0	0	0	104	104	x
1810	1,054	158	0	0	157	157	2	2	0	0	1	1	1,056	1,056	x
1811	584	584	0	0	51	51	1	1	0	0	255	255	188	188	
1812	3,847	231	0	0	163	163	1	1	59	59	485	485	1,314	1,314	x
1813	272	272	367	367	144	144	0	0	0	0	133	133	389	389	
1814	733	44	0	0	124	124	1	1	0	0	179	179	1,196	1,196	x
1815	6,009	361	0	0	177	177	0	0	79	79	83	83	330	330	x
1816	3,109	311	8,411	8,411	402	402	2	2	0	0	73	73	1,662	1,662	x
1817	643	39	892	321	25	25	0	0	15	15	0	0	614	614	x
1818	389	389	0	0	43	43	0	0	0	0	2	2	129	129	
1819	1,657	94	0	0	129	129	1	1	0	0	412	412	1,769	1,769	x
1820	197	197	0	0	15	15	0	0	0	0	1	1	16	16	
1821	3,508	526	0	0	30	30	0	0	37	37	0	0	234	234	x
1822	609	609	0	0	13	13	0	0	0	0	10	10	19	19	
1823	10,287	514	0	0	46	46	0	0	0	0	0	0	12	12	x
1824	12,764	766	0	0	26	26	0	0	0	0	0	0	265	265	x
1825	41,048	2,463	2,820	1,015	294	294	1	1	0	0	17	17	1,119	1,119	x
1826	15,574	1,557	0	0	46	46	1	1	0	0	46	46	195	195	x
1827	6,552	393	0	0	37	37	0	0	0	0	0	0	286	286	x
1828	2,816	169	0	0	5	5	0	0	0	0	0	0	58	58	x
1829	0	0	0	0	0	0	0	0	0	0	0	0	17	17	
1830	0	0	0	0	0	0	1	1	0	0	0	0	5	5	

Table 5b. Manganese 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)	
1800	0	0	0	0	1	1	0	0	0	0	28	28	4	4	
1801	4,604	4,604	0	0	18	18	0	0	0	0	0	0	120	120	
1802	122	122	0	0	2	2	0	0	0	0	40	40	18	18	
1803	0	0	0	0	9	9	0	0	0	0	59	59	8	8	
1804	1,610	1,610	0	0	15	15	0	0	0	0	17	17	53	53	
1805	6,891	6,891	0	0	14	14	4	4	0	0	6	6	156	156	
1806	3,703	3,703	0	0	12	12	0	0	0	0	0	0	27	27	
1807	9,662	9,662	0	0	17	17	1	1	0	0	790	790	80	80	
1808	24,378	24,378	0	0	53	53	4	4	0	0	0	0	191	191	
1809	1,946	1,946	0	0	4	4	3	3	0	0	0	0	69	69	
1810	8,290	8,290	0	0	73	73	14	14	0	0	6	6	705	705	
1811	3,711	3,711	0	0	27	27	4	4	0	0	1,994	1,994	83	83	
1812	5,153	5,153	0	0	31	31	2	2	130	130	1,312	1,312	843	843	
1813	2,028	2,028	1,116	1,116	46	46	0	0	0	0	1,037	1,037	238	238	
1814	4,524	4,524	0	0	566	566	72	72	0	0	9,259	9,259	778	778	
1815	27,854	27,854	0	0	57	57	0	0	449	449	651	651	218	218	
1816	4,649	4,649	8,515	8,515	54	54	4	4	0	0	199	199	1,079	1,079	
1817	1,052	1,052	903	903	12	12	1	1	32	32	0	0	410	410	
1818	588	588	0	0	5	5	0	0	0	0	6	6	84	84	
1819	2,296	2,296	0	0	24	24	2	2	0	0	1,116	1,116	1,168	1,168	
1820	456	456	0	0	1	1	0	0	0	0	3	3	11	11	
1821	6,178	6,178	0	0	11	11	0	0	81	81	0	0	145	145	
1822	996	996	0	0	1	1	0	0	0	0	27	27	4	4	
1823	13,213	13,213	0	0	3	3	0	0	0	0	0	0	7	7	
1824	18,166	18,166	0	0	9	9	1	1	0	0	0	0	176	176	
1825	40,508	40,508	2,854	2,854	24	24	4	4	0	0	46	46	748	748	
1826	19,948	19,948	0	0	9	9	2	2	0	0	124	124	124	124	
1827	6,756	6,756	0	0	7	7	0	0	0	0	0	0	191	191	
1828	3,702	3,702	0	0	1	1	0	0	0	0	0	0	39	39	
1829	0	0	0	0	0	0	0	0	0	0	0	0	57	57	
1830	0	0	0	0	0	0	0	0	0	0	0	0	17	17	

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)	
1800	0	0	0	0	2	2	0	0	0	0	52	52	2	2	
1801	2,673	134	0	0	37	37	0	0	0	0	0	0	203	203	x
1802	197	197	0	0	21	21	0	0	0	0	18	18	32	32	
1803	0	0	0	0	6	6	0	0	0	0	37	37	6	6	
1804	1,743	1,743	0	0	43	43	0	0	0	0	3	3	158	158	
1805	806	40	0	0	34	34	1	1	0	0	1	1	279	279	x
1806	3,761	188	0	0	32	32	0	0	0	0	0	0	138	138	x
1807	4,560	228	0	0	85	85	0	0	0	0	121	121	134	134	x
1808	24,938	1,247	0	0	96	96	1	1	0	0	0	0	376	376	x
1809	227	11	0	0	7	7	0	0	0	0	0	0	117	117	x
1810	1,031	52	0	0	159	159	2	2	0	0	1	1	1,178	1,178	x
1811	1,965	1,965	0	0	51	51	1	1	0	0	306	306	204	204	
1812	15,478	785	0	0	165	165	1	1	66	66	582	582	1,464	1,464	x
1813	440	440	76	76	145	145	0	0	0	0	159	159	432	432	
1814	2,683	136	0	0	126	126	2	2	0	0	215	215	1,332	1,332	x
1815	36,593	1,840	0	0	179	179	0	0	88	88	100	100	368	368	x
1816	6,709	359	1,737	1,737	406	406	2	2	0	0	88	88	1,855	1,855	x
1817	307	18	184	74	26	26	0	0	16	16	0	0	685	685	x
1818	767	767	0	0	43	43	0	0	0	0	3	3	144	144	
1819	5,753	293	0	0	131	131	1	1	0	0	495	495	1,973	1,973	x
1820	276	276	0	0	15	15	0	0	0	0	1	1	18	18	
1821	21,431	1,072	0	0	31	31	0	0	41	41	0	0	259	259	x
1822	4,370	4,370	0	0	14	14	0	0	0	0	12	12	20	20	
1823	104,113	10,411	0	0	47	47	0	0	0	0	0	0	13	13	x
1824	114,268	5,733	0	0	27	27	0	0	0	0	0	0	295	295	x
1825	338,395	16,939	613	245	295	295	2	2	0	0	20	20	1,248	1,248	x
1826	158,097	9,486	0	0	46	46	1	1	0	0	55	55	217	217	x
1827	50,536	2,532	0	0	38	38	0	0	0	0	0	0	319	319	x
1828	27,781	1,117	0	0	5	5	0	0	0	0	0	0	65	65	x
1829	0	0	0	0	0	0	0	0	0	0	0	0	25	25	
1830	0	0	0	0	0	0	1	1	0	0	0	0	8	8	

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)
1800	Island Creek	3.49E+12	2.44E+12	2.04E+13	2.04E+13	2.32E+15	0.00E+00	3.96E+13	2.77E+13